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700 Series Worm Gear Product Reference Guide

Single Reduction Flanged Reducers & Non-Flanged Reducers

A

Ordering Information – Page 14-15

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F700 BASIC
Dimensions — Page 34



QC700 BASIC
Dimensions — Page 34



F/QC700B
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F/QC700BRB
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F/QC700C/D
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HF/HQC/SF700
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HF/HQC-R/L + SF700V/W
Dimensions — Page 37



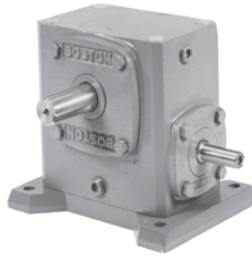
700 BASIC
Dimensions — Page 38

700 Series Worm Gear Speed Reducers

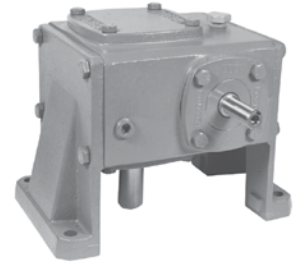
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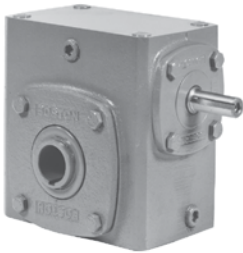
700B
Dimensions — Page 45



700A
Dimensions — Page 46



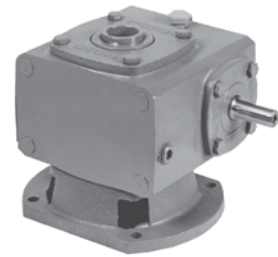
700C/D
Dimensions — Page 47



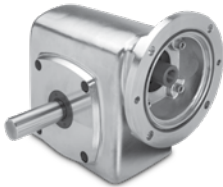
H/S700
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H700R/L
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S700V/W
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SSF700
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SSH700
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SSH700V/W
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SSH700WD
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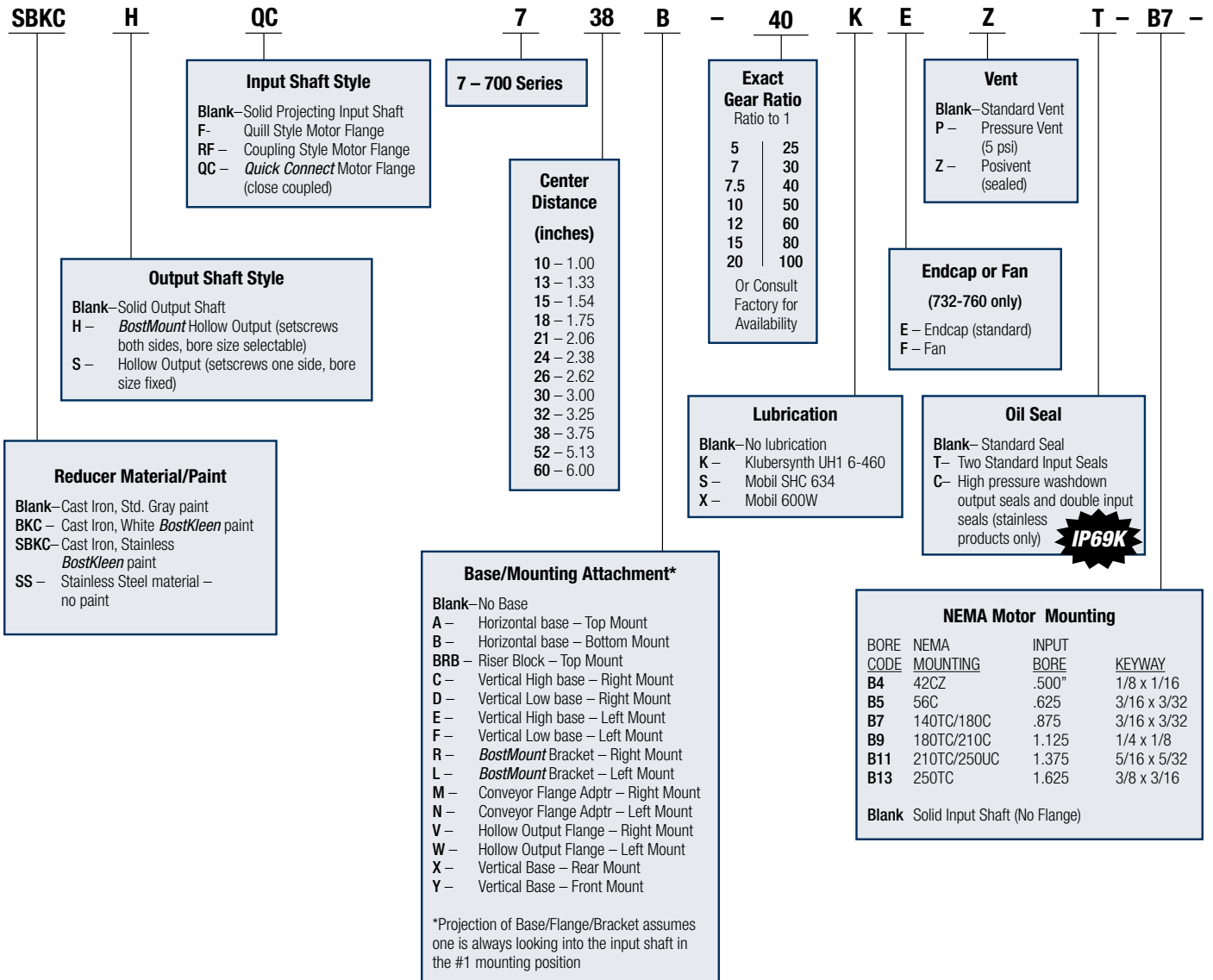


SSFSP5
Dimensions — Page 66

700 Series Single Reduction

700 Series Right Angle Worm Gearbox - Single Reduction

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HS 1 - P24 -

BostMount Output Bore Code

For H Series Only Specified in 1/16" increments.

Example: 1 1/4" = P20

5/8 - P10	1-1/2 - P24
3/4 - P12	1-5/8 - P26
7/8 - P14	1-11/16 - P27
15/16 - P15	1-3/4 - P28
1 - P16	1-7/8 - P30
1-1/16 - P17	1-15/16 - P31
1-1/8 - P18	2 - P32
1-3/16 - P19	2-1/8 - P34
1-1/4 - P20	2-3/16 - P35
1-5/16 - P21	2-1/4 - P36
1-3/8 - P22	2-7/16 - P39
1-7/16 - P23	3-7/16 - P55

See catalog page 128 for availability by center distance.
Consult Factory for Metric Bores

Mounting Positions

Blank - No Lubrication Supplied

For Factory Prelubrication Indicate Mounting Position

- 1 - Standard Mounting (Worm over)
- 2-6 - Refer to Mounting Positions in Catalog pages 18-19

Output Shaft

(When facing Input and worm on top)

- G - Carbon Steel Output Projection - Left
- H - Carbon Steel Double Output Projection
- J - Carbon Steel Output Projection - Right
- GS - Stainless Output Projection - Left
- HS - Stainless Double Output Projection
- JS - Stainless Output Projection - Right

Clutch/Brake

CMBA140TR-6 -

Common C-Face Brakes Installed

115/230 VAC 60hz	Ft-Lb	Bore Code
CMBA56R-3	3	B5
CMBA56R-6	6	B5
CMBA140TR-6	6	B7
208-230/460 VAC 60hz		
Ft-Lb	Bore Code	
CMBA56U-3	3	B5
CMBA56U-6	6	B5
CMBA140TU-6	6	B7

Other sizes available. See catalog page 343.

Motor

HUTF-IDB - 3

Motor Conduit box Orientation

(When looking at fan end of motor and gearbox is in mounting position #1)

- 0 - 12 O'clock
- 3 - 3 O'clock (standard for G & H shaft assemblies)
- 6 - 6 O'clock
- 9 - 9 O'clock (standard for J shaft assemblies)

Common C-Face Motors Installed

HP Rating	Bore Code	AC Voltage	
		115/208-230-1-60	208-230/460-3-60
1/4 HP	B5	DRTFB	DUTFB
1/3 HP	B5	ERTFB	EUTFB
1/2 HP	B5	FRTFB	FUTFB
	B5		FUT-SS
	B5		FUTF-IDB
3/4 HP	B5	GRTFB	GUTFB
	B5		GUT-SS
	B5		GUTF-IDB
1 HP	B5	HRTF-5/8B	HUTF5/8B
	B5		HUT5/8-SS
	B5		HUTF5/8-IDB
	B7		HUTFB
	B7		HUT-SS
	B7		HUTF-IDB
1.5 HP	B7		JUTFB
	B7		JUTF-SS
	B7		JUTF-IDB
2 HP	B5		KUTF5/8B
	B7		KUTFB
	B7		KUTF-SS
	B7		KUTF-IDB
3 HP	B9		LUTFB
	B9		LUTF-SS
	B9		LUTF-IDB
5 HP	B9		MUTFB

Other motors available, please see catalog pages 333 to 342.

- T - Totally enclosed non-ventilated
- TF - Totally enclosed fan cooled
- SS - Stainless
- IDB - Inverter Duty (10:1 turn down constant torque)
- B5 - 56C
- B7 - 140TC
- B9 - 180TC

Single Reduction Numbering System / How to Order

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Style	Size	Base	Ratio	Lubrication	Fan	Vent	Oil Seals	NEMA Mounting	Shaft Assembly	Mounting Position	Output Bore Code
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Style Designates reducer or flanged reducer, projecting or hollow output shaft.

- C** – Designates cast iron flange and base. (Standard on motor flanges 3 HP (180TC) and up and all bases except horizontal (710-726).
- Blank** – Single reduction reducer with projecting input and output shafts. (No code letter required).
- H** – Single reduction reducer with projecting input and *BostMount* hollow output shaft. (No flange) (713-738)
- S** – Single reduction reducer with hollow output shaft. (Sizes 718, 721, 726 and 732).
- F** – Single reduction flanged reducer (Quill types) with projecting output shaft.
- HF** – Single reduction flanged reducer (Quill types) with *BostMount* hollow output shaft. (Sizes 713-738)
- SF** – Single reduction flanged reducer (Quill types) with hollow output shaft. (Sizes 718, 721, 726 and 732)
- QC** – Single reduction flanged reducer (Coupling types) with projecting output shaft.
- HQC** – Single reduction flanged reducer (Coupling types) with *BostMount* hollow output shaft. (Sizes 713-738)
- RF** – Single reduction flanged reducer (Coupling types) with Projecting output shaft. 752 - 760 Size Only
- BK** – Designates Cast Iron, White *BostKleen* paint
- SBK** – Designates Cast Iron, Stainless *BostKleen* paint
- SSF** – Stainless Steel Single reduction flanged reducer (Quill types) with projecting output shaft.
- SSH** – Stainless steel single reduction flanged reducer with *BostMount* hollow output shaft.

Size Center distance, rounded off.

710 - 1.00	721 - 2.06	732 - 3.25
713 - 1.33	724 - 2.38	738 - 3.75
715 - 1.54	726 - 2.62	752 - 5.16
718 - 1.75	730 - 3.00	760 - 6.00

Base Base positions relative to output shaft. Shipped separately as Base Kits. See Page 129.

- Blank** – No base kit supplied
- A,B** – Horizontal bases
- C,D,E & F** – Vertical Bases*
- R/L** – BostMount Output Bracket
- X** – Input Vertical Up
- Y** – Input Vertical Down
- BRB** – Horizontal base with riser block
- V,W** – Flanged bases, available on “S” hollow shaft models only. Factory assembled.
- M/N** – Flanged bases, available on “CFA” hollow shaft models only.

*For E, F vertical base arrangements, see Pages 18, 19.

Ratio See Selection Tables for available ratios

Lubrication Optional Prelubrication.*

- Blank** – No Lubrication supplied.
 - K** – Klubersynth UH1 6-460
 - S** – Mobil SHC634 Synthetic Lubricant
 - X** – Mobil 600W
- *When specifying optional prelubrication, include mounting position after shaft assembly.

Fan Optional fan available on sizes 732-760 single reduction only. Shipped separately as Fan Kit. See Page 130.

- Blank** – No Fan Kit. **E** – End Cap (standard) **F** – Fan Kit

Vent Pressure Relief.

- Blank** – Standard Vent
- P** – 5 PSI Vent
- Z** – PosiVent® Pressure Compensating Bladder

Oil Seals

- Blank** – Standard Seal
- T** – Double Input Seals. Recommended for mounting positions 2, 3, 4, 6
- C** – High pressure/wash down configuration for stainless gearboxes. Contains double input seals and axial face seals on the output.

NEMA Mounting Designates flange size and input bore diameter. Flanged reducers only. Leave blank for projecting input reducers.

Bore Code	NEMA Mounting	Input Bore	Keyway
B4	42CZ	.500"	1/8 x 1/16
B5	56C	.625	3/16 x 3/32
B7	140TC/180C	.875	3/16 x 3/32
B9	180TC/210C	1.125	1/4 x 1/8
B11	210TC/250UC	1.375	5/16 x 5/32
B13	250TC	1.625	3/8 x 3/16

See page 98 for Mounting Dimensions.

Shaft Assembly Assembly shaft arrangements. See assemblies, pages 18 and 19.

- G** – Standard assembly (left)
- H** – Double output shaft projection
- J** – Opposite to standard (right)
- GS** – Stainless standard assembly (left)
- HS** – Stainless double output shaft projection
- JS** – Stainless opposite to standard (right)

Mounting Position Designates the position of oil and vent plugs with respect to mounting.

- Blank** – For units not supplied prelubricated.
- 1-6** – See pages 18 and 19.

Output Bore Code Specified in 1/16" increments. See page 128 for complete offering. Example 1 1/4" = P20 For H Series only.

How to Order

When ordering reducers please include code letters for Style, Size, Base (if required), Ratio, Fan (if required), Lubrication (if required), NEMA Mounting (if flanged reducer), Shaft Assembly and Motor (if required).

EXAMPLE: Required size, 721 Quill types flanged reducer, 30:1 ratio, 5/8" input bore, standard assembly, with horizontal base, no lubrication. Motor to be 3/4 HP, 1750 RPM, 230/460 Volt, 3 Phase, 60 cycle, open dripproof.

F	721	B	-	30	-	B5	-	G	-	GUB3
---	-----	---	---	----	---	----	---	---	---	------

1. Reducer, Base and Motor Shipped separately:
ORDER: Reducer - **F721-30-B5-G**
Base Kit - **56587**
Motor - **GUB3**
2. Reducer, Base and Motor assembled:
ORDER: **F721B-30-B5-G-GUB3**

Single Reduction Speed Reducer Selection Procedure

To properly select a speed reducer, the following application information must be known:

- Input RPM (Ratio)
- Output Torque
- Input Horsepower
- Service Factor

Non-Motorized Speed Reducer

1. Determine service factor from table below.
2. Determine design horsepower.
Design Horsepower =
Application Load x Service Factor
3. Select a speed reducer size that satisfies output RPM, service class and/or output torque requirements.
4. Check overhung load capacity.

Motorized Speed Reducer

1. Determine service class from table below.
2. Select a reducer size that satisfies output RPM, service class and/or output torque requirements.
3. Check overhung load capacity.

Service Factor Table

AGMA Class of Service	Service Factor	Operating Conditions
I	1.00	Moderate Shock-not more than 15 minutes in 2 hours.
		Uniform Load-not more than 10 hours per day.
II	1.25	Moderate Shock-not more than 10 hours per day.
		Uniform Load-more than 10 hours per day.
	1.50	Heavy Shock-not more than 15 minutes in 2 hours.
		Moderate Shock-more than 10 hours per day.
III	1.75	Heavy Shock-not more than 10 hours per day.
	2.00	Heavy Shock-more than 10 hours per day.

For complete AGMA Service Factors and Load Classifications, see Engineering Section, Pages 348 and 349.

Single Reduction Selection Tables

Capacity Selection Tables on pages 22-29 list catalog numbers and ratios of both reducers and gearmotors. Output RPM, output torque and horsepower are all based on 1750 RPM input. Output torque and horsepower capacities at other input RPM's are listed on pages 30-33. For motorized reducer selection, select the desired output RPM and refer to the gearmotor ratings column. For non-motorized reducers, refer to the reducer gear capacity columns. For the desired HP, torque and service factor that satisfies your requirements, a 700 Series basic reducer number will be indicated. For complete catalog numbering system, descriptions and options, refer to Pages 14-15.

Overhung Load

If the output shaft of a speed reducer is connected to the driven machine by other than a flexible coupling, an overhung load is imposed on the shaft. This load may be calculated as follows:

$$OHL = \frac{2TK}{D}$$

- OHL = Overhung Load (LB.)
- T = Shaft Torque (LB.IN.)
- D = PD of Sprocket, Pinion or Pulley (IN.)
- K = Load Connection Factor

Load Connection Factor

Sprocket or Timing Belt	1.00
Pinion and Gear Drive	1.25
Pulley and V-Belt Drive.	1.50
Pulley and Flat Belt Drive	2.50

An overhung load greater than permissible load value may be reduced to an acceptable value by the use of a sprocket, pinion or pulley of a larger PD. Relocation of the load closer to the center of reducer will also increase OHL capacity.

Permissible Overhung Loads and Output Shaft Thrust Loads are listed for each reducer in the Tables on pages 30-33.

Maximum Input Speeds

710, 713	4500 RPM
715 through 732	3600 RPM
738, 752	2500 RPM
760	1750 RPM

NOTE: Horsepower ratings for 1750 RPM should not be exceeded when operating at higher input speeds.

Ratings shown reflect maximum gear capacity with Klubersynth UH1 6-460 lubricant. The use of other lubricants may reduce ratings by up to 15%.

Ratings are mechanical not thermal.



Flanged Reducer Assemblies and Mounting Positions

Assemblies - F/QC/RF 700 Series

Standard assemblies define output shaft (slow speed) projection with respect to input shaft (high speed) and mounting surface.

Types "A" and "B" are horizontal bases.

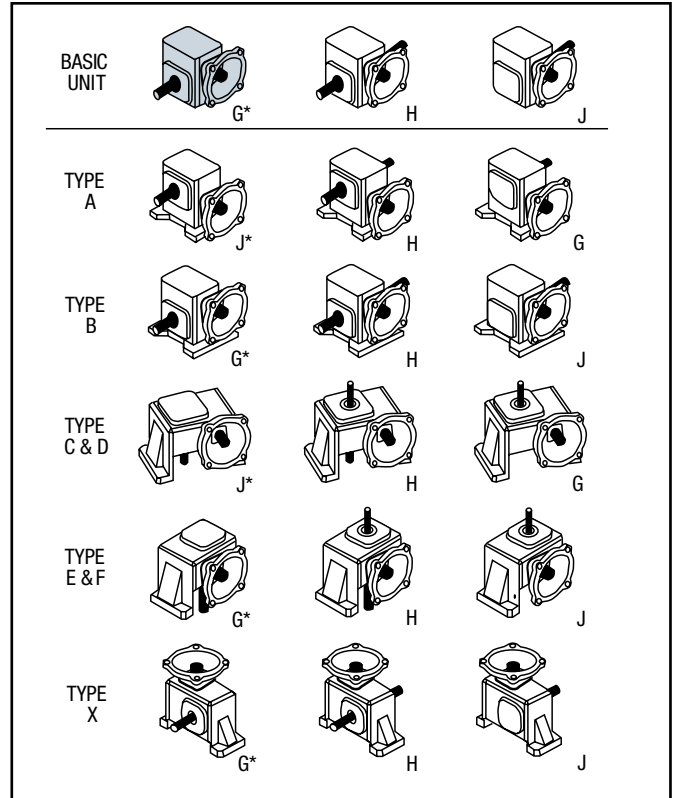
Types "C" and "E" are vertical high bases and Types "D" and "F" are vertical low bases. Types "X" is input vertical up.

Basic models and separate base kits are supplied unless otherwise specified. Assembly "H" is available at a slight additional charge.

See Pages 14-15 for complete ordering instructions.

Input may rotate clockwise or counter clockwise.

FOR OTHER CONFIGURATIONS NOT SHOWN, CONTACT FACTORY.



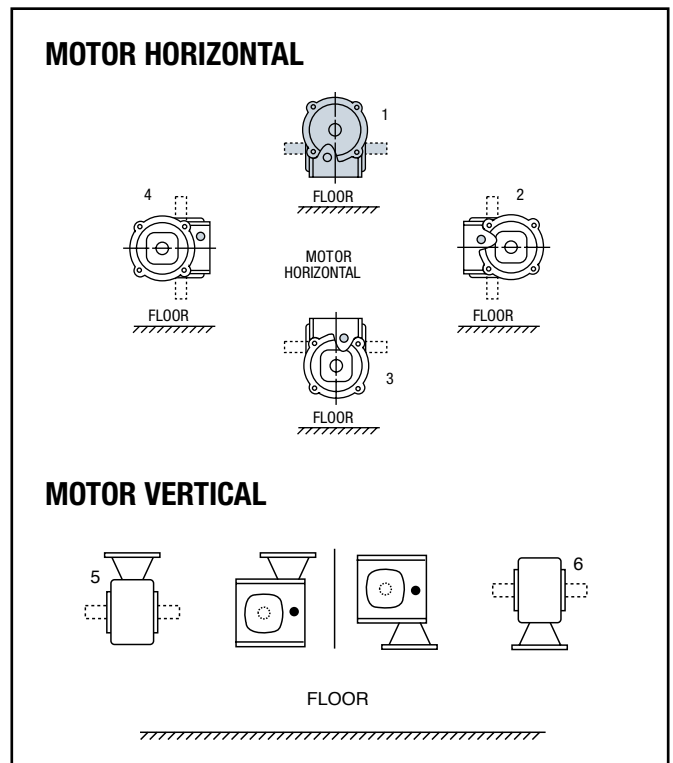
* Standard assemblies

Mounting Positions - F/QC/RF - SF - HF/HQC 700 Series

Standard assemblies are for Position 1. The design permits any types of assembly to be mounted in any position shown by the proper location of the vented oil filler, level and drain plugs, at the time of installation.

For other than Position 1, order standard and relocate vented oil filler, level and drain plugs.

For production orders Boston Gear will assemble units for the specified mounting position desired at no additional charge.



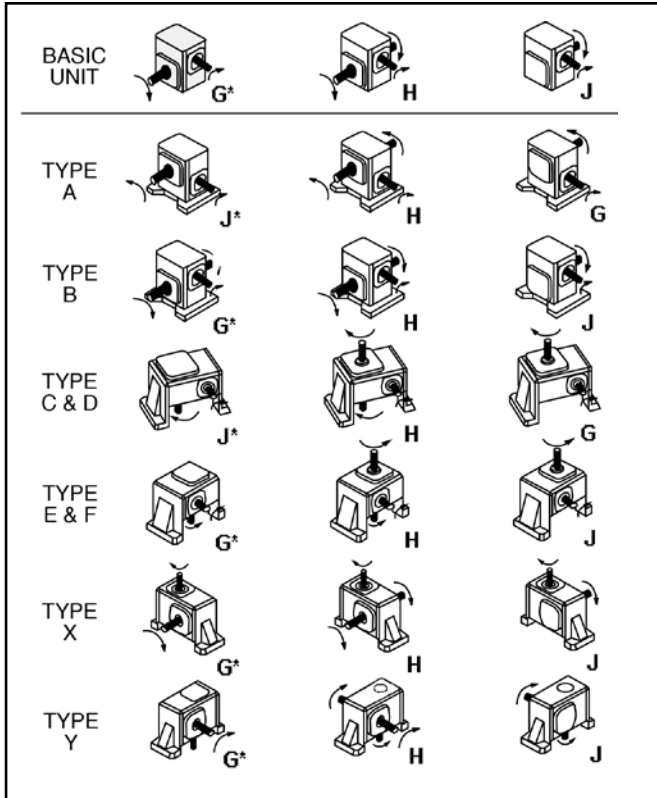
- Indicates proper oil level.
- When mounting gearboxes in positions 2, 3, 4, 6 Double Input Seals are required.

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CAUTION

When ordering speed reducers pre-lubricated, the Mounting Position must be indicated to ensure proper oil level and seal configuration.

Non-Flanged Reducer Assemblies and Mounting Positions



* Standard assemblies

Assemblies - 700 Series

Standard assemblies define output shaft (slow speed) projection with respect to input shaft (high speed) projection and mounting surface.

Types "A" and "B" are horizontal bases.

Types "C" and "E" are vertical high bases and Types "D" and "F" are vertical low bases. Type "X" is input vertical up. Type "Y" is input vertical down.

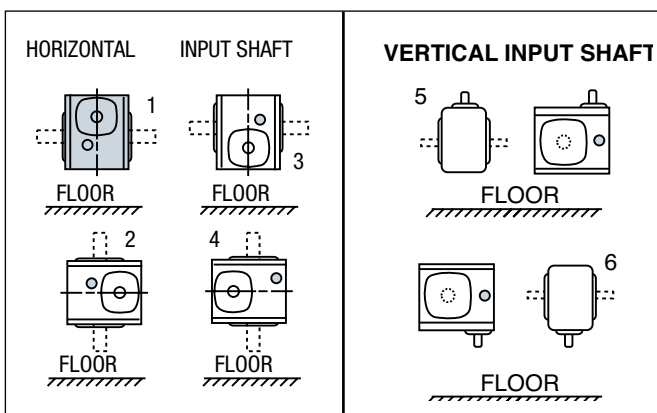
Basic models and separate base kits are supplied unless otherwise specified. Assembly "H" is available at a slight additional charge.

See Pages 14-15 for complete ordering instructions.

Input may rotate clockwise or counter clockwise. Arrows indicate relative rotation.

FOR OTHER CONFIGURATIONS NOT SHOWN, CONTACT FACTORY.

TYPICAL MOUNTING POSITIONS (Examples shown for single-reduction models only)



- Indicates proper oil level.
- When mounting gearboxes in positions 2, 3, 4, 6 Double Input Seals are required.

Example: F715-15T-B5-G6

Mounting Positions - 700 - S700 - H700 Series

Standard assemblies are for Position 1. The design permits any types of assembly to be mounted in any position shown by the proper location of the vented oil filler, level and drain plugs, at the time of installation.

For other than Position 1, order standard and relocate vented oil filler, level and drain plugs.

For production orders Boston Gear will assemble units for the specified mounting position desired at no additional charge.

CAUTION

When ordering speed reducers pre-lubricated, the Mounting Position must be indicated to ensure proper oil level and seal configuration.



Recommended Lubricants & Capacities

The following table indicates the types and viscosity of lubricants suitable for reducers operating at various temperatures.

Lubrication and maintenance instructions are provided with each speed reducer. These instructions should be followed for best results. It is important that the correct types of oil be used since many oils are not suitable for the lubrication of gears. Various types of gearing require different types of lubricants.

The lubricant must remain free from oxidation and contamination by water or debris, since only a very thin film of oil stands between efficient operation and failure. To assure long service life, the reducer should be periodically drained (preferably while warm) and refilled to the proper level with a recommended gear oil.

Under normal environmental conditions oil changes are suggested after the initial 250 hours of operation and thereafter at regular intervals of 2500 hours or every 6 months.

Synthetic lubricants will allow extended lubrication intervals due to its increased resistance to thermal and oxidation degradation. It is suggested that the initial oil change be made at 1500 hours and, thereafter, at 5000 hour intervals.

During the initial period of operation, higher than normal operating temperatures may be seen. This is due to the initial break-in of the gear set. The temperature of Single Reduction Worm Gear Reducers may reach approximately 225°F.

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Enclosed Worm Gear Reducers

Ambient (Room) Temperature	Recommended Oil (or equivalent)	Viscosity Range SUS @ 100°F	Oil Type	ISO Viscosity Grade No.+
-20° to 225°F** (-29° to 107°C)	Klubersynth* UH1 6-460 Synthetic	1950/2500	PAG	460
-30° to 225°F (-34° to 107°C)	Mobil SHC634 Synthetic	1950/2500	PAO	320/460

Worm Gear Lubricant Available From Boston Gear

Type	Klubersynth UH1 6-460	Mobil SHC634
Size	Qt.	Qt.
Item Code	65159	51493

Available in quarts only

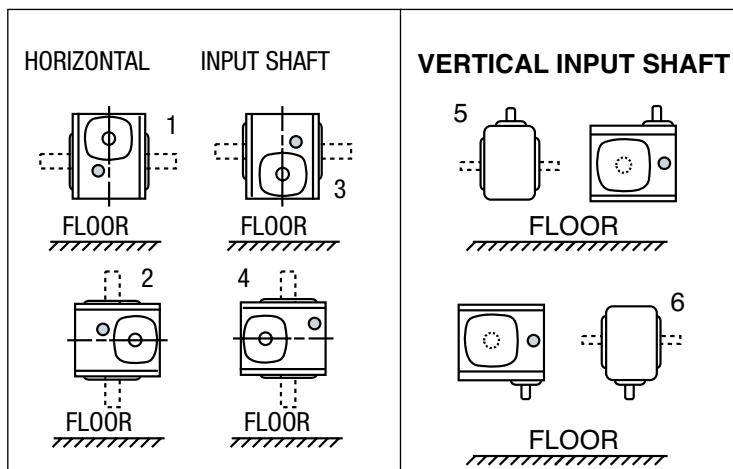
CAUTION: Relubricate more frequently if drive is operated in high ambient temperatures or unusually contaminated atmosphere. High loads and operating temperatures will also require the use of frequent lubrication.

- * Synthetic recommendation is Klubersynth UH1 6-460, other lubrications may reduce efficiency and torque capacity.
- + Other lubricants corresponding to AGMA/ISO numbers are available from all major oil companies. See Page 134 for lubricant interchange.
- ** The Klubersynth UH1 6-460 lubricant will perform at temperatures considerably higher than 225°F. However, the factory should always be consulted prior to operating at higher temperatures, as damage may occur to oil seals and other components.

WARNING: Different oil types should not be mixed. For example Klubersynth UH1 6-460 is not compatible with Mobil SHC634.

FOR SINGLE REDUCTION ONLY: REFER TO LUBRICATION AND INSTALLATION INSTRUCTIONS.

Oil Levels for Typical Mounting Positions (Examples shown for single-reduction models only)



- Indicates proper oil level.
- When mounting gearboxes in positions 2, 3, 4, 6 Double Input Seals are required.

Oil capacity in fluid ounces for cast iron units*

Unit Size	Positions				
	1	2	3	4	5 & 6
710	2.2	3.3	3.3	3.3	3.3
713	5.5	7.0	7.0	7.0	7.0
715	10.0	15.0	15.0	13.5	13.5
718	12.0	16.0	18.5	16.0	16.0
721	15.0	20.5	20.5	19.0	19.0
724	18.0	24.5	28.5	24.5	24.5
726	28.0	36.0	43.0	36.0	36.0
730	43.0	60.0	66.0	58.0	58.0
732	58.0	84.0	90.0	80.0	80.0
738	85.0	120.0	130.0	120.0	107.0
752	204.0	240.0	245.0	240.0	215.0
760	330.0	400.0	415.0	400.0	370.0

*See page 56 for stainless steel units.

Quick Reference Model Selection Chart

Class I Service Single Reduction (1.0 Service Factor)

Reducer Ratio	Output RPM	Input Horsepower @ 1750 rpm													
		1/6	1/4	1/3	1/2	3/4	1	1-1/2	2	3	5	7-1/2	10	15	20
5	350	710	710	710	710	713	715	715	718	724	726	—	—	—	—
10	175	710	710	710	713	713	715	718	721	724	730	738	738F	752	752F
15	117	710	710	710	713	715	718	721	724	726	732F	738F	752	752F	760F
20	88	710	710	713	713	715	718	724	726	730	738	752	752	760F	—
25	70	713	713	713	715	718	721	724	726	732	—	—	—	—	—
30	58	710	713	713	715	721	721	726	730	732F	752	752F	760F	—	—
40	44	710	713	715	718	721	724	730	732	738F	752	760	—	—	—
50	35	710	713	713	721	724	726	730	732F	752	752F	760F	—	—	—
60	29	710	715	718	721	724	730	732	738F	752	752F	—	—	—	—

NOTE: This chart is meant only as a guide. For actual ratings, see Pages 20-33.

Class II Service Single Reduction (1.25 Service Factor)

Reducer Ratio	Output RPM	Input Horsepower @ 1750 rpm													
		1/6	1/4	1/3	1/2	3/4	1	1-1/2	2	3	5	7-1/2	10	15	20
5	350	710	710	710	710	713	715	718	718	724	730	—	—	—	—
10	175	710	710	710	713	715	718	721	724	726	732	738F	752	752F	760F
15	117	710	710	713	713	718	721	724	726	730	738	752	752	760	—
20	88	710	713	713	715	718	721	726	730	732	752	752F	760	—	—
25	70	713	713	713	718	721	724	726	730	732F	—	—	—	—	—
30	58	713	713	715	718	721	724	730	732	738F	752	760	—	—	—
40	44	713	713	715	721	724	726	732	732F	752	752F	760F	—	—	—
50	35	713	715	718	721	726	730	732F	738F	752	760F	—	—	—	—
60	29	713	718	721	724	730	732	738	752	752F	—	—	—	—	—

NOTE: This chart is meant only as a guide. For actual ratings, see Pages 20-33.

Class III Service Single Reduction (1.75 Service Factor)

Reducer Ratio	Output RPM	Input Horsepower @ 1750 rpm													
		1/6	1/4	1/3	1/2	3/4	1	1-1/2	2	3	5	7-1/2	10	15	20
5	350	710	710	710	713	715	718	721	721	726	—	—	—	—	—
10	175	710	710	713	715	718	721	724	726	730	738F	752	752F	—	—
15	117	710	713	713	718	721	724	726	730	732F	752	752F	760	—	—
20	88	713	713	715	718	721	724	730	732	738F	752	760	760F	—	—
25	70	713	715	718	721	724	726	730	732F	—	—	—	—	—	—
30	58	713	715	718	721	724	730	732	738	752	752F	—	—	—	—
40	44	713	718	721	724	726	732	732F	752	752F	760F	—	—	—	—
50	35	715	718	721	726	730	732F	738F	752	760	—	—	—	—	—
60	29	718	721	724	726	732	732F	752	752	—	—	—	—	—	—

NOTE: This chart is meant only as a guide. For actual ratings, see Pages 20-33.



700 Series Single Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

For Ratings at Other Speeds, See Tables on Pages 30-33

Output RPM	Ratio	Non-Flanged Reducers					Flanged Reducers (Gearmotor)										Bore Code	Motors* 230/460 VAC 3 Phase 60 Hz		
		Gear Capacity			Efficiency	Size	Ratings			Available Style†										
		Output Torque (lb.in.)	HP				Motor HP	Output Torque (lb.in.)	Service Class	L	OC	FAN	HF	SF	HQC	RF			SS	
			Input	Output																
350	5	113	0.69	0.63	0.91	710-5	0.50	82	II									B5	FUTF	
							0.33	55	III										B4	AEUTF
							0.33	55	III										B5	EUTF
							0.25	41	III										B4	ADUTF
							0.25	41	III										B5	DUTF
							0.17	27	III										B4	ACUT
							0.17	27	III										B5	CUTF
		235	1.39	1.31	0.94	713-5	1	169	II									B5	HUTF-5/8	
						0.75	127	III									B5	GUTF		
						0.50	85	III									B5	FUTF		
						1.5	254	I									B7	JUTF		
						1	169	II									B5	HUTF-5/8		
						0.75	127	III									B5	GUTF		
						2	338	II									B7	KUTF		
						1.5	254	II									B7	JUTF		
						1	169	III									B5	HUTF-5/8		
						2	338	II									B7	KUTF		
						1.5	254	III									B7	JUTF		
						5	838	I									B9	MUTF		
						3	508	II									B9	LUTF		
						5	846	I									B9	MUTF		
						3	508	III									B9	LUTF		
						5	846	II									B9	MUTF		
						3	508	III									B9	LUTF		
250	7	644	2.80	2.56	0.91	721-7	2	460	II								B7	KUTF		
							1.5	345	III								B7	JUTF		
175	10	138	0.44	0.38	0.87	710-10	0.33	104	II									B4	AEUTF	
							0.33	104	II										B5	EUTF
							0.25	78	III										B4	ADUTF
							0.25	78	III										B5	DUTF
								0.75	245	I								B5	GUTF	
								0.50	163	II								B5	FUTF	
								0.33	109	III								B5	EUTF	
						1	330	I									B5	HUTF-5/8		
						0.75	248	II									B5	GUTF		
						0.50	165	III									B5	FUTF		
						1.5	499	I									B7	JUTF		
						1	333	II									B5	HUTF-5/8		
						0.75	249	III									B5	GUTF		
						2	674	I									B7	KUTF		
						1.5	505	II									B7	JUTF		
						1	337	III									B5	HUTF-5/8		
						3	1008	I									B9	LUT		
						2	672	II									B7	KUTF		
						1.5	504	III									B7	JUTF		
						3	1024	II									B9	LUTF		
						2	683	III									B7	KUTF		
						1.5	512	III									B7	JUTF		

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see Pages 337 and 342.

† Shaded areas denote which styles are available for a given center distance and ratio. See Pages 14-15 for style descriptions.

752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPES.

RATINGS SHOWN REFLECT THE USE OF KLUBERSYNTH UH1 6-460.

700 Series Single Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

For Ratings at Other Speeds, See Tables on Pages 30-33

Output RPM	Ratio	Non-Flanged Reducers					Flanged Reducers (Gearmotor)										Bore Code	Motors* 230/460 VAC 3 Phase 60 Hz							
		Gear Capacity			Efficiency	Size	Ratings			Available Styles†															
		Output Torque (lb.in.)	HP				Motor HP	Output Torque (lb.in.)	Service Class	F	QC	FAN	HF	SF	HQC	RF			SS						
			Input	Output																					
175	10	1787	5.28	4.96	0.94	730-10	5	1692	I										B9	MUTF					
							3	1015	III													B9	LUTF		
							2	677	III														B7	KUTF	
		2106	6.22	5.85	0.94	732-10	5	1692	II												B9	MUTF			
							3	1015	III														B9	LUTF	
		2532	7.75	7.03	0.91	732-10F	5	1633	II												B9	MUTF			
							3	980	III														B9	LUTF	
2834	8.37	7.87	0.94	738-10	7.5	2538	I												B11	NUTF					
					5	1692	II														B9	MUTF			
					3	1015	III															B9	LUTF		
3221	9.96	8.94	0.90	738-10F	10	3221	I												B11	PUTF					
					7.5	2425	II														B11	NUTF			
					5	1616	III															B9	LUTF		
5860	17.31	16.27	0.94	752-10	15	5076	I												B13	RUTF					
					10	3384	II														B11	PUTF			
					7.5	2538	III														B11	SUTF			
7182	21.63	19.94	0.92	752-10F	20	6640	I												B13	SUTF					
					15	4979	II														B13	RUTF			
					10	3319	III														B11	PUTF			
8067	23.83	22.4	0.94	760-10	20	6768	I												B13	SUTF					
					15	5076	II														B13	RUTF			
					10	3384	III														B11	PUTF			
8658	26.13	24.04	0.92	760-10F	20	6624	II												B13	SUTF					
					15	4968	III														B13	RUTF			
145.8	12	693	1.76	1.60	0.91	721-12	1.5	590	I										B7	JUTF					
							1	394	III														B7	HUTF	
984	2.50	2.28	0.91	724-12	0.91	724-12	2	787	II										B7	KUTF					
							1.5	590	II														B7	JUTF	
							1	394	III									B5	HUTF-5/8						
116.7	15	146	0.33	0.27	0.82	710-15	0.33	146	I										B4	AEUTF					
							0.33	146	I													B5	EUTF		
							0.25	111	II														B4	ADUTF	
							0.25	111	II															B5	DUTF
							0.17	74	III															B4	ACUTF
							0.17	74	III															B5	CUTF
		305	0.66	0.56	0.86	713-15	0.50	231	II												B5	FUTF			
							0.33	154	III														B5	EUTF	
		429	0.91	0.79	0.87	715-15	0.75	353	I												B5	GUTF			
							0.50	235	II														B5	FUTF	
0.33	157						III															B5	EUTF		
552	1.13	1.02	0.90	718-15	1	489	I												B5	HUTF-5/8					
					0.75	367	II														B5	GUTF			
					0.50	244	III											B5	FUTF						
841	1.72	1.56	0.90	721-15	1.5	733	I												B7	JUTF					
					1	489	II														B7	HUTF			
					0.75	367	III														B5	GUTF			

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see Pages 337 and 342.

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752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPES.

RATINGS SHOWN REFLECT THE USE OF KLUBERSYNTH UH1 6-460.



700 Series Single Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

For Ratings at Other Speeds, See Tables on Pages 30-33

Output RPM	Ratio	Non-Flanged Reducers					Flanged Reducers (Gearmotor)										Bore Code	Motors* 230/460 VAC 3 Phase 60 Hz				
		Gear Capacity			Efficiency	Size	Ratings			Available Styles†												
		Output Torque (lb.in.)	HP				Motor HP	Output Torque (lb.in.)	Service Class	F	QC	FAN	HF	SF	HQC	RF			SS			
			Input	Output																		
116.7	15	1159	2.34	2.15	0.92	724-15	2	990	I										B7	KUTF		
							1.5	743	II												B7	JUTF
							1	495	III												B7	HUTF
		1466	2.95	2.71	0.92	726-15	3	1466	I												B9	LUTF
							2	994	II											B7	KUTF	
							1.5	745	III											B7	JUTF	
		1969	3.97	3.64	0.92	730-15	3	1487	II												B9	LUTF
							2	991	III											B7	KUTF	
		2344	4.65	4.34	0.93	732-15	3	1511	II												B9	LUTF
							2	1008	III											B7	KUTF	
		2782	5.80	5.15	0.89	732-15F	5	2519	I												B9	MUTF
							3	1511	III											B9	LUTF	
3155	6.28	5.84	0.93	738-15	5	2511	II												B9	MUTF		
					3	1507	III											B9	LUTF			
3543	7.47	6.56	0.88	738-15F	7.5	3556	I												B11	NUTF		
					5	2371	II											B9	MUTF			
					3	1422	III											B9	LUTF			
6618	13.06	12.25	0.94	752-15	10	5065	II												B11	PUTF		
					7.5	3799	II											B11	NUTF			
					5	2533	III											B9	MUTF			
7829	16.32	14.49	0.89	752-15F	15	7193	I												B13	RUTF		
					10	4795	II											B11	PUTF			
					7.5	3596	III											B11	NUTF			
9055	17.87	16.76	0.94	760-15	15	7598	I												B13	RUTF		
					10	5065	III											B11	PUTF			
10712	22.33	19.83	0.89	760-15F	20	9590	I												B13	SUTF		
					15	7193	II											B13	RUTF			
					10	4795	III											B11	PUTF			
87.5	20	149	0.27	0.21	0.77	710-20	0.25	138	I											B4	ADUTF	
							0.25	138	I											B5	DUTF	
							0.17	92	II											B4	ACUTF	
							0.17	92	II											B5	CUTF	
		308	0.52	0.43	0.82	713-20	0.50	296	I												B5	FUTF
							0.33	197	II											B5	EUTF	
							0.25	148	III											B5	DUTF	
435	0.72	0.60	0.84	715-20	0.75	435	I												B5	GUTF		
					0.50	302	II											B5	FUTF			
					0.33	201	III											B5	EUTF			
590	0.97	0.82	0.84	718-20	1	590	I												B5	HUTF-5/8		
					0.75	456	II											B5	GUTF			
					0.50	304	III											B5	FUTF			
892	1.40	1.24	0.88	721-20	1	637	II												B5	HUTF-5/8		
					0.75	478	III											B5	GUTF			
1233	1.95	1.71	0.88	724-20	2	1233	I												B7	KUTF		
					1.5	948	II											B7	JUTF			
					1	632	III											B5	HUTF-5/8			

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see Pages 337 and 342.

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752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPES.

RATINGS SHOWN REFLECT THE USE OF KLUBERSYNTH UH1 6-460.

700 Series Single Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

For Ratings at Other Speeds, See Tables on Pages 30-33

Output RPM	Ratio	Non-Flanged Reducers					Flanged Reducers (Gearmotor)										Bore Code	Motors* 230/460 VAC 3 Phase 60 Hz		
		Gear Capacity			Efficiency	Size	Ratings			Available Styles†										
		Output Torque (lb.in.)	HP				Motor HP	Output Torque (lb.in.)	Service Class	F	QC	FAN	HF	SF	HQC	RF			SS	
			Input	Output																
87.5	20	1483	2.34	2.06	0.88	726-20	2 1.5 1	1267 950 634	I II III										B7 B7 B5	KUTF JUTF HUTF-5/8
		2024	3.14	2.81	0.89	730-20	3 2 1.5	1933 1289 967	I II III										B9 B7 B7	LUTF KUTF JUTF
		2413	3.71	3.35	0.90	732-20	3 2	1950 1300	II III										B9 B7	LUTF KUTF
		2858	4.63	3.97	0.86	732-20F	3 2	1851 1234	II III										B9 B7	LUTF KUTF
		3285	5.00	4.56	0.91	738-20	5 3 2	3283 1970 1313	I II III										B9 B9 B7	MUTF LUTF KUTF
		3707	5.95	5.15	0.86	738-20F	5 3	3114 1868	I III										B9 B9	MUTF LUTF
		6833	10.19	9.49	0.93	752-20	10 7.5 5	6703 5027 3352	I II III										B11 B11 B9	PUTF NUTF MUTF
		8075	12.74	11.21	0.88	752-20F	10 7.5 5	6336 4752 3168	II II III										B11 B11 B9	PUTF NUTF MUTF
		9412	14.02	13.07	0.93	760-20	10 7.5	6710 5033	II III										B11 B11	PUTF NUTF
		11080	17.52	15.38	0.88	760-20F	15 10	9482 6322	I III										B13 B11	RUTF PUTF
70	25	307	0.43	0.34	0.79	713-25	0.33 0.25 0.17	238 178 119	II II III									B5 B5 B5	EUTF DUTF CUTF	
		437	0.60	0.49	0.81	715-25	0.50 0.33 0.25	364 243 182	I II III									B5 B5 B5	FUTF EUTF DUTF	
		574	0.76	0.64	0.84	718-25	0.75 0.50 0.33	566 378 252	I II III									B5 B5 B5	GUTF FUTF EUTF	
		875	1.16	0.97	0.84	721-25	1 0.75 0.50	754 566 377	I II III										B5 B5 B5	HUTF-5/8 GUTF FUTF
		1199	1.55	1.33	0.86	724-25	1.5 1 0.75	1160 773 580	I II III										B7 B5 B5	JUTF HUTF-5/8 GUTF
		1514	1.94	1.68	0.87	726-25	2 1.5 1	1514 1170 780	I II III										B7 B7 B7	KUTF JUTF HUTF-5/8
		2051	2.61	2.28	0.87	730-25	2 1.5	1571 1179	II III										B7 B7	KUTF JUTF

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752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPES.

RATINGS SHOWN REFLECT THE USE OF KLUBERSYNTH UH1 6-460.



700 Series Single Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

For Ratings at Other Speeds, See Tables on Pages 30-33

Output RPM	Ratio	Non-Flanged Reducers					Flanged Reducers (Gearmotor)											Bore Code	Motors* 230/460 VAC 3 Phase 60 Hz		
		Gear Capacity			Efficiency	Size	Ratings			Available Styles†											
		Output Torque (lb.in.)	HP				Motor HP	Output Torque (lb.in.)	Service Class	F	QC	FAN	HF	SF	HQC	RF	SS				
			Input	Output																	
70	25	2443	3.08	2.71	0.88	732-25	3 2 1.5	2379 1586 1189	I II III										B9 B7 B7	LUTF KUTF JUTF	
		2891	3.85	3.21	0.84	732-25F	3 2	2252 1501	II III										B9 B7	LUTF KUTF	
58.3	30	150	0.20	0.14	0.69	710-30	0.17 0.17	125 125	I I										B4 B5	ACUT CUTF	
		311	0.39	0.29	0.74	713-30	0.33 0.25 0.17	265 199 133	I II III										B5 B5 B5	EUTF DUTF CUTF	
		445	0.54	0.41	0.76	715-30	0.50 0.33 0.25	411 274 206	I II III										B5 B5 B5	FUTF EUTF DUTF	
		573	0.65	0.53	0.82	718-30	0.50 0.33 0.25	441 294 220	II III III											B5 B5 B5	FUTF EUTF DUTF
		871	0.99	0.81	0.81	721-30	1 0.75 0.50	871 659 440	I II III											B5 B5 B5	HUTF-5/8 GUTF FUTF
		1200	1.33	1.11	0.83	724-30	1 0.75	902 676	II III											B5 B5	HUTF-5/8 GUTF
		1521	1.68	1.41	0.84	726-30	1.5 1 0.75	1358 905 679	I II III											B7 B5 B5	JUTF HUTF-5/8 GUTF
		2045	2.27	1.89	0.83	730-30	2 1.5 1	1801 1351 901	I II III											B7 B7 B5	KUTF JUTF HUTF-5/8
		2456	2.64	2.27	0.86	732-30	2 1.5	1860 1395	II III											B7 B7	KUTF JUTF
		2902	3.30	2.69	0.81	732-30F	3 2 1.5	2637 1758 1319	I II III											B9 B7 B7	LUTF KUTF JUTF
		3354	3.56	3.10	0.87	738-30	3 2	2825 1884	I III											B9 B7	LUTF KUTF
		3757	4.23	3.48	0.82	738-30F	3 2	2663 1776	II III											B9 B7	LUTF KUTF
		6964	7.30	6.45	0.88	752-30	5 3	4768 2861	II III											B9 B9	PUTF NUTF
		8336	9.12	7.72	0.85	752-30F	7.5 5	6853 4568	I III											B11 B9	NUTF MUTF
		9603	9.81	8.89	0.91	760-30	7.5 5	7339 4892	II III											B11 B9	NUTF MUTF
		11219	12.26	10.38	0.85	760-30F	10 7.5 5	9148 6861 4574	I II III											B11 B11 B9	PUTF NUTF MUTF
		43.8	40	151	0.17	0.10	0.62	710-40	0.17 0.17	148 148	I I										B4 B5

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752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPES.

RATINGS SHOWN REFLECT THE USE OF KLUBERSYNTH UH1 6-460.

700 Series Single Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

For Ratings at Other Speeds, See Tables on Pages 30-33

Output RPM	Ratio	Non-Flanged Reducers					Flanged Reducers (Gearmotor)										Bore Code	Motors* 230/460 VAC 3 Phase 60 Hz			
		Gear Capacity			Efficiency	Size	Ratings			Available Styles†											
		Output Torque (lb.in.)	HP				Motor HP	Output Torque (lb.in.)	Service Class	F	QC	FAN	HF	SF	HQC	RF			SS		
			Input	Output																	
43.8	40	307	0.31	0.21	0.69	713-40	0.25 0.17	248 165	II III										B5 B5	DUTF CUTF	
		442	0.43	0.31	0.71	715-40	0.33 0.25 0.17	342 257 171	II II III										B5 B5 B5	EUTF DUTF CUTF	
		609	0.57	0.42	0.74	718-40	0.50 0.33 0.25	534 356 267	I II III										B5 B5 B5	FUTF EUTF DUTF	
		876	0.81	0.61	0.75	721-40	0.75 0.50 0.33	811 541 360	I II III											B5 B5 B5	GUTF FUTF EUTF
		1206	1.08	0.84	0.77	724-40	1 0.75 0.50	1116 837 558	I II III											B5 B5 B5	HUTF-5/8 GUTF FUTF
		1512	1.33	1.05	0.79	726-40	1 0.75	1136 852	II III											B5 B5	HUTF-5/8 GUTF
		2041	1.78	1.42	0.80	730-40	1.5 1 0.75	1719 1146 860	I II III											B7 B5 B5	JUTF HUTF-5/8 GUTF
		2444	2.10	1.70	0.81	732-40	2 1.5 1	2327 1745 1164	I II III											B7 B7 B5	KUTF JUTF HUTF-5/8
		2944	2.62	2.04	0.78	732-40F	2 1.5	2246 1685	II III											B7 B7	KUTF JUTF
		3320	2.80	2.30	0.82	738-40	2 1.5	2370 1778	II III											B7 B7	KUTF JUTF
		3747	3.33	2.60	0.78	738-40F	3 2	3374 2249	I II											B9 B7	LUTF KUTF
		6889	5.60	4.78	0.85	752-40	5 3	6149 3689	I III											B9 B9	MUTF LUTF
		8178	7.00	5.68	0.81	752-40F	5 3	5839 3504	II III											B9 B9	MUTF LUTF
		9566	7.65	6.64	0.87	760-40	7.5 5	9374 6250	I II											B11 B9	NUTF MUTF
		11197	9.56	7.77	0.81	760-40F	7.5 5	8780 5854	II III											B11 B9	NUTF MUTF
		35	50	153	0.15	0.09	0.57	710-50	0.17 0.17	153 153	I I										B4 B5
297	0.25			0.17	0.66	713-50	0.25 0.17	297 198	I II										B5 B5	DUTF CUTF	
429	0.35			0.24	0.68	715-50	0.33 0.25 0.17	409 306 204	I II III										B5 B5 B5	EUTF DUTF CUTF	
573	0.44			0.32	0.72	718-50	0.33 0.25	434 325	II III											B5 B5	EUTF DUTF
857	0.66			0.48	0.72	721-50	0.50 0.33	649 433	II III											B5 B5	FUTF EUTF

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752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPES.

RATINGS SHOWN REFLECT THE USE OF KLUBERSYNTH UH1 6-460.



700 Series Single Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

For Ratings at Other Speeds, See Tables on Pages 30-33

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Output RPM	Ratio	Non-Flanged Reducers					Flanged Reducers (Gearmotor)										Bore Code	Motors* 230/460 VAC 3 Phase 60 Hz			
		Gear Capacity			Efficiency	Size	Ratings			Available Styles†											
		Output Torque (lb.in.)	HP				Motor HP	Output Torque (lb.in.)	Service Class	F	QC	FAN	HF	SF	HQC	RF			SS		
			Input	Output																	
35	50	1177	0.87	0.65	0.75	724-50	0.75 0.50 0.33	1014 676 451	I II III										B5 B5 B5	GUTF FUTF EUTF	
		1484	1.08	0.82	0.76	726-50	1 0.75 0.50	1373 1030 687	I II III										B5 B5 B5	HUTF-5/8 GUTF FUTF	
		2016	1.45	1.12	0.77	730-50	1.5 1 0.75	2016 1390 1042	I II III										B7 B5 B5	JUTF HUTF-5/8 GUTF	
		2403	1.70	1.33	0.78	732-50	1.5 1 0.75	2120 1413 1060	I II III											B7 B5 B5	JUTF HUTF-5/8 GUTF
		2791	2.12	1.55	0.73	732-50F	2 1.5 1	2632 1974 1316	I II III											B7 B7 B7	KUTF JUTF HUTF
		3280	2.28	1.82	0.80	738-50	2 1.5 1	2876 2157 1438	I II III											B7 B7 B7	KUTF JUTF HUTF
		3626	2.71	2.01	0.74	738-50F	2 1.5	2675 2006	II III											B9 B7	KUTF JUTF
		6751	4.49	3.75	0.83	752-50	3	4509	II											B9	LUTF
		7678	5.61	4.26	0.76	752-50F	5 3	6840 4104	I III											B9 B9	MUTF LUTF
		9378	6.12	5.21	0.85	760-50	5 3	7659 4595	I III											B9 B9	MUTF LUTF
		9836	7.65	5.46	0.71	760-50F	7.5 5 3	9639 6426 3856	I II III											B11 B9 B9	NUTF MUTF LUTF
		29.2	60	144	0.12	0.07	0.55	710-60	0.17 0.17	144 144	I I										B4 B5
271	0.22			0.13	0.57	713-60	0.17	201	II										B5	CUTF	
399	0.28			0.18	0.66	715-60	0.25 0.17	356 238	I II										B5 B5	DUTF EUTF	
527	0.35			0.24	0.70	718-60	0.33 0.25 0.17	502 376 251	I II III										B5 B5 B5	EUTF DUTF CUTF	
826	0.55			0.38	0.69	721-60	0.50 0.33 0.25	751 500 375	I II III										B5 B5 B5	FUTF EUTF DUTF	
1128	0.73			0.52	0.71	724-60	0.75 0.50 0.33	1128 772 515	I II III										B5 B5 B5	GUTF FUTF EUTF	
1385	0.89			0.64	0.72	726-60	0.75 0.50	1166 778	I III										B5 B5	GUTF FUTF	

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see Pages 337 and 342.

† Shaded areas denote which styles are available for a given center distance and ratio. See Pages 14-15 for style descriptions.

752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPES.

RATINGS SHOWN REFLECT THE USE OF KLUBERSYNTH UH1 6-460.

700 Series Single Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

For Ratings at Other Speeds, See Tables on Pages 30-33

Output RPM	Ratio	Non-Flanged Reducers					Flanged Reducers (Gearmotor)											Bore Code	Motors* 230/460 VAC 3 Phase 60 Hz			
		Gear Capacity			Efficiency	Size	Ratings			Available Styles†												
		Output Torque (lb.in.)	HP				Motor HP	Output Torque (lb.in.)	Service Class	F	QC	FAN	HF	SF	HQC	RF	SS					
			Input	Output																		
29.2	60	1921	1.20	0.89	0.74	730-60	1 0.75 0.50	1601 1200 800	I II III										B5 B5 B5	HUTF-5/8 GUTF FUTF		
		2281	1.40	1.06	0.75	732-60	1.5 1 0.75	2281 1629 1221	I II III										B7 B7 B5	JUTF HUTF GUTF		
		2549	1.75	1.18	0.67	732-60F	1.5 1	2184 1446	I III											B7 B7	JUTF HUTF	
		3128	1.88	1.45	0.77	738-60	1.5 1	2495 1633	II III												B7 B7	JUTF HUTF
		3277	2.24	1.52	0.68	738-60F	2 1.5	2925 2193	I II												B7 B7	KUTF JUTF
		6416	3.67	2.97	0.81	752-60	3	5242	I												B9	LUTF
		6953	4.59	3.22	0.70	752-60F	5 3	6953 4542	I II												B9 B9	MUTF LUTF
		8934	5.03	4.13	0.82	760-60	5 3	8878 5327	I II												B9 B9	MUTF LUTF
		9528	6.29	4.41	0.70	760-60F	5	7571	II												B9	MUTF
21.9	80	222	0.15	0.08	0.53	713-80	0.17	222	I										B5	CUTF		
		318	0.21	0.11	0.53	715-80	0.17	259	II										B5	CUTF		
		387	0.22	0.13	0.61	718-80	0.25 0.17	387 298	I II											B5 B5	DUTF CUTF	
		634	0.38	0.22	0.58	721-80	0.33 0.25	551 418	I II											B5 B5	EUTF DUTF	
		1069	0.57	0.37	0.65	726-80	0.5 0.33	936 623	I III											B5 B5	FUTF EUTF	
		1795	0.95	0.62	0.65	732-80	1 0.75 0.5	1795 1404 936	I II III												B5 B5 B5	HUTF-5/8 GUTF FUTF
17.5	100	138	0.08	0.04	0.47	713-100	0.17	138	I										B5	CUTF		
		251	0.15	0.07	0.47	715-100	0.17	251	I										B5	CUTF		
		323	0.17	0.09	0.53	718-100	0.17	323	I										B5	CUTF		
		503	0.27	0.14	0.52	721-100	0.25 0.17	468 318	I II											B5 B5	DUTF CUTF	
		757	0.39	0.21	0.54	726-100	0.33 0.25 0.17	642 486 330	I II III											B5 B5 B5	EUTF DUTF CUTF	
		1414	0.65	0.39	0.6	732-100	0.5 0.33	1080 713	II III											B5 B5	FUTF EUTF	

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see Pages 337 and 342.

† Shaded areas denote which styles are available for a given center distance and ratio. See Pages 14-15 for style descriptions.

752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPES.

RATINGS SHOWN REFLECT THE USE OF KLUBERSYNTH UH1 6-460.



700 Series Single Reduction Ratio & Capacity Selection Tables

Horsepower and Torque Capacities at Listed RPM Inputs (Service Factor 1.0)

A

Series Size			710			713			715			718		
Ratio	Input RPM	Output RPM	Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output	
				HP	Torque (lb-in)		HP	Torque (lb-in)		HP	Torque (lb-in)		HP	Torque (lb-in)
5	1750	350	0.69	0.63	113	1.39	1.31	235	1.72	1.62	291	2.55	2.40	432
	1150	230	0.40	0.36	98	0.84	0.73	200	1.15	1.04	285	1.42	1.28	350
	690	138	0.26	0.23	105	0.50	0.45	205	0.80	0.72	330	0.97	0.87	400
	100	20	0.044	0.036	115	0.091	0.076	240	0.14	0.12	370	0.17	0.14	460
10	1750	175	0.44	0.38	138	0.86	0.78	281	1.20	1.10	397	1.61	1.49	536
	1150	115	0.23	0.21	118	0.51	0.44	243	0.73	0.64	350	0.98	0.87	480
	690	69	0.16	0.14	128	0.33	0.29	266	0.47	0.42	384	0.66	0.58	534
	100	10	0.03	0.022	140	0.06	0.047	296	0.086	0.068	432	0.12	0.097	610
15	1750	116.7	0.33	0.27	146	0.66	0.58	305	0.91	0.79	428	1.13	1.02	552
	1150	77.7	0.17	0.15	125	0.37	0.32	262	0.53	0.46	376	0.67	0.57	472
	690	46	0.12	0.10	134	0.26	0.21	288	0.36	0.30	415	0.46	0.39	534
	100	6.7	0.023	0.016	147	0.049	0.034	322	0.07	0.05	468	0.086	0.063	597
20	1750	87.5	0.27	0.21	149	0.52	0.43	308	0.72	0.60	435	0.97	0.82	590
	1150	57.5	0.14	0.12	129	0.29	0.24	265	0.43	0.35	380	0.58	0.48	525
	690	34.5	0.091	0.074	136	0.19	0.16	286	0.28	0.23	420	0.38	0.32	580
	100	5.0	0.017	0.012	150	0.04	0.026	330	0.056	0.038	485	0.08	0.055	690
25	1750	70	—	—	—	0.43	0.34	307	0.60	0.49	437	0.76	0.64	574
	1150	46	—	—	—	0.24	0.19	260	0.35	0.27	375	0.48	0.36	500
	690	27.6	—	—	—	0.15	0.12	280	0.22	0.18	410	0.30	0.24	540
	100	4.0	—	—	—	0.031	0.02	310	0.043	0.028	451	0.063	0.042	660
30	1750	58.3	0.20	0.14	150	0.39	0.29	311	0.54	0.41	446	0.65	0.53	573
	1150	38.3	0.10	0.081	133	0.21	0.16	270	0.31	0.23	388	0.40	0.32	530
	690	23	0.068	0.051	140	0.14	0.11	300	0.20	0.17	460	0.29	0.22	600
	100	3.3	0.013	0.008	155	0.029	0.018	340	0.04	0.026	496	0.057	0.037	710
40	1750	43.8	0.17	0.10	151	0.31	0.21	307	0.43	0.31	441	0.57	0.42	609
	1150	28.8	0.081	0.059	129	0.18	0.12	265	0.24	0.17	380	0.33	0.24	525
	690	17.3	0.051	0.037	130	0.10	0.078	286	0.15	0.11	420	0.22	0.16	580
	100	2.5	0.011	0.006	150	0.025	0.013	330	0.036	0.019	485	0.052	0.027	690
50	1750	35	0.15	0.09	153	0.25	0.17	297	0.35	0.24	429	0.44	0.32	573
	1150	23	0.06	0.042	114	0.12	0.09	248	0.18	0.13	360	0.24	0.17	470
	690	13.8	0.041	0.029	130	0.083	0.058	265	0.12	0.085	390	0.17	0.12	520
	100	2.0	0.008	0.004	140	0.018	0.009	300	0.027	0.014	440	0.038	0.019	590
60	1750	29.2	0.12	0.07	144	0.22	0.13	271	0.28	0.18	399	0.35	0.24	527
	1150	19.2	0.065	0.032	105	0.171	0.093	201	0.164	0.095	312	0.21	0.13	440
	690	11.5	0.044	0.02	112	0.101	0.046	253	0.114	0.061	338	0.14	0.084	480
	100	1.7	0.008	0.003	121	0.021	0.007	285	0.022	0.009	371	0.03	0.014	530
80	1750	21.9	—	—	—	0.15	0.08	222	0.21	0.11	318	0.23	0.13	375
	1150	14.4	—	—	—	0.12	0.06	246	0.17	0.018	358	0.16	0.089	390
	690	8.6	—	—	—	0.09	0.04	266	0.12	0.15	392	0.10	0.048	350
	100	1.3	—	—	—	0.02	0.01	293	0.03	0.01	440	0.02	0.009	470
100	1750	17.5	—	—	—	0.08	0.04	138	0.15	0.07	251	0.17	0.09	323
	1150	11.5	—	—	—	0.07	0.028	152	0.12	0.05	283	0.14	0.07	360
	690	6.9	—	—	—	0.05	0.018	164	0.09	0.03	309	0.10	0.04	391
	100	1.0	—	—	—	0.01	0.003	180	0.02	0.01	347	0.020	0.01	435
Overhung Load*			150 LBS.			200 LBS.			300 LBS.			500 LBS.		
Output Shaft Thrust Load			200 LBS.			300 LBS.			400 LBS.			500 LBS.		

RATINGS SHOWN REFLECT MAXIMUM GEAR CAPACITY WITH KLUBERSYNTH UH1 6-460.

*Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM. Do NOT exceed 1750 RPM input horsepower (See page 347).

700 Series Single Reduction Ratio & Capacity Selection Tables

Horsepower and Torque Capacities at Listed RPM Inputs (Service Factor 1.0)



Series Size			721			724			726			730		
Ratio	Input RPM	Output RPM	Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output	
				HP	Torque (lb-in)		HP	Torque (lb-in)		HP	Torque (lb-in)		HP	Torque (lb-in)
5	1750	350	3.66	3.44	620	4.94	4.65	838	6.11	5.74	1034	8.32	7.82	1408
	1150	230	2.33	2.10	575	3.05	2.74	750	4.05	3.64	1000	5.85	5.47	1500
	690	138	1.64	1.47	670	2.25	2.01	920	3.04	2.74	1250	5.25	4.83	2206
	100	20	0.30	0.26	820	0.43	0.38	1200	0.58	0.51	1600	1.06	0.91	2873
10	1750	175	2.34	2.19	789	3.18	2.97	1069	3.94	3.74	1345	5.28	4.96	1787
	1150	115	1.49	1.32	725	2.09	1.87	1025	2.82	2.54	1390	4.25	3.84	2107
	690	69	1.00	0.89	814	1.46	1.31	1200	1.97	1.75	1600	3.15	2.79	2548
	100	10	0.19	0.15	968	0.27	0.23	1430	0.37	0.31	1960	0.63	0.51	3234
15	1750	116.7	1.72	1.56	840	2.34	2.15	1159	2.95	2.71	1465	3.97	3.64	1969
	1150	77.7	1.06	0.91	752	1.51	1.29	1060	2.01	1.73	1425	3.41	2.95	2425
	690	46.0	0.72	0.61	832	1.05	0.90	1239	1.41	1.22	1675	2.55	2.14	2928
	100	6.7	0.13	0.10	968	0.19	0.15	1463	0.28	0.22	2057	0.51	0.38	3610
20	1750	87.5	1.40	1.24	892	1.95	1.71	1233	2.34	2.06	1483	3.14	2.81	2024
	1150	57.5	0.86	0.72	782	1.27	1.06	1160	1.63	1.36	1500	2.68	2.23	2470
	690	35.0	0.57	0.48	875	0.83	0.70	1280	1.11	0.94	1725	1.67	1.52	2739
	100	5.0	0.11	0.08	1018	0.17	0.12	1550	0.20	0.16	2050	0.41	0.38	3584
25	1750	70	1.16	0.97	875	1.55	1.33	1199	1.94	1.68	1514	2.61	2.28	2051
	1150	46	0.72	0.58	790	1.03	0.84	1150	1.31	1.11	1525	2.30	1.86	2560
	690	27.6	0.47	0.38	875	0.69	0.56	1280	0.93	0.77	1750	1.50	1.26	2830
	100	4.0	0.094	0.062	975	0.14	0.095	1500	0.18	0.13	2075	0.30	0.21	3400
30	1750	58.3	0.99	0.81	871	1.33	1.11	1200	1.68	1.41	1521	2.27	1.89	2045
	1150	38.3	0.62	0.48	795	0.89	0.70	1170	1.20	0.96	1575	1.99	1.53	2510
	690	23	0.41	0.32	880	0.60	0.47	1300	0.81	0.65	1790	1.51	1.09	3000
	100	3.3	0.086	0.055	1050	0.12	0.078	1500	0.16	0.11	2100	0.32	0.20	3702
40	1750	43.8	0.81	0.61	876	1.08	0.84	1206	1.33	1.05	1512	1.78	1.43	2041
	1150	28.8	0.49	0.36	785	0.70	0.53	1160	0.89	0.68	1500	1.46	1.14	2470
	690	17.3	0.33	0.24	875	0.46	0.35	1280	0.61	0.47	1725	0.99	0.78	2900
	100	2.5	0.074	0.04	1018	0.11	0.061	1550	0.14	0.081	2050	0.23	0.14	3600
50	1750	35	0.66	0.48	857	0.87	0.65	1177	1.08	0.82	1484	1.45	1.12	2016
	1150	23	0.38	0.27	750	0.56	0.40	1100	0.75	0.54	1482	1.20	0.87	2400
	690	13.8	0.26	0.18	840	0.37	0.26	1225	0.51	0.37	1675	0.87	0.61	2750
	100	2.0	0.057	0.031	970	0.084	0.045	1425	0.11	0.063	1975	0.19	0.10	3200
60	1750	29.2	0.55	0.38	826	0.73	0.52	1128	0.89	0.64	1385	1.20	0.89	1921
	1150	19.2	0.34	0.22	730	0.49	0.32	1040	0.64	0.42	1390	1.01	0.68	2285
	690	11.5	0.23	0.15	805	0.33	0.21	1154	0.44	0.29	1570	0.27	0.45	2580
	100	1.7	0.055	0.025	930	0.073	0.036	1330	0.10	0.05	1840	0.13	0.08	3080
80	1750	21.9	0.38	0.22	634	—	—	—	0.76	0.38	1100	—	—	—
	1150	14.4	0.31	0.17	734	—	—	—	0.47	0.29	1252	—	—	—
	690	8.6	0.23	0.11	819	—	—	—	0.35	0.18	1340	—	—	—
	100	1.3	0.05	0.02	942	—	—	—	0.07	0.03	1600	—	—	—
100	1750	17.5	0.27	0.14	503	—	—	—	0.39	0.21	757	—	—	—
	1150	11.5	0.22	0.11	580	—	—	—	0.34	0.17	913	—	—	—
	690	6.9	0.16	0.07	646	—	—	—	0.26	0.12	1054	—	—	—
	100	1.0	0.04	0.01	744	—	—	—	0.06	0.02	1267	—	—	—
Overhung Load*			700 LBS.			900 LBS.			1000 LBS.			1250 LBS.		
Output Shaft Thrust Load			700 LBS.			800 LBS.			900 LBS.			1000 LBS.		

RATINGS SHOWN REFLECT MAXIMUM GEAR CAPACITY WITH KLUBERSYNTH UH1 6-460.

*Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM. Do NOT exceed 1750 RPM input horsepower (See page 347).

700 Series Single Reduction Ratio & Capacity Selection Tables

Horsepower and Torque Capacities at Listed RPM Inputs (Service Factor 1.0)

A

Series Size			732			732F			738			738F		
Ratio	Input RPM	Output RPM	Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output	
				HP	Torque (lb-in)		HP	Torque (lb-in)		HP	Torque (lb-in)		HP	Torque (lb-in)
5	1750	350	10.05	9.54	1716	—	—	—	—	—	—	—	—	—
	1150	230	8.43	7.91	2165	—	—	—	—	—	—	—	—	—
	690	138	6.53	6.02	2749	—	—	—	—	—	—	—	—	—
	100	20	1.38	1.19	3735	—	—	—	—	—	—	—	—	—
10	1750	175	6.22	5.85	2106	7.75	7.03	2532	8.37	7.87	2834	9.96	8.94	3221
	1150	115	4.41	3.92	2150	5.03	4.47	2450	6.19	5.56	3050	6.90	6.20	3400
	690	69	3.17	2.85	2600	3.40	3.06	2800	4.54	4.05	3700	4.79	4.27	3900
	100	10	0.62	0.52	3300	0.62	0.52	3300	0.87	0.47	4700	0.87	0.47	4700
15	1750	116.7	4.65	4.34	2344	5.80	5.15	2782	6.28	5.84	3154	7.47	6.56	3543
	1150	77.7	3.15	2.74	2250	3.63	3.16	2600	4.30	3.77	3100	4.99	4.38	3600
	690	46	2.35	2.04	2800	2.52	2.19	3000	3.25	2.85	3900	3.50	3.06	4200
	100	6.7	0.48	0.39	3700	0.48	0.39	3700	0.68	0.55	5200	0.68	0.55	5200
20	1750	87.5	3.71	3.35	2413	4.63	3.97	2858	5.00	4.56	3285	5.95	5.15	3707
	1150	57.5	2.77	2.37	2600	3.20	2.74	3000	4.10	3.56	3900	4.55	3.94	4325
	690	34.5	1.99	1.70	3100	2.15	1.83	3850	2.91	2.52	4600	3.10	2.68	4900
	100	5.0	0.41	0.30	3846	0.41	0.30	3846	0.61	0.46	5800	0.61	0.46	5800
25	1750	70	3.08	2.71	2443	3.85	3.21	2891	—	—	—	—	—	—
	1150	46	2.29	1.90	2600	2.65	2.19	3000	—	—	—	—	—	—
	690	27.6	1.51	1.27	2900	1.67	1.40	3200	—	—	—	—	—	—
	100	4.0	0.31	0.22	3500	0.31	0.22	3500	—	—	—	—	—	—
30	1750	58.3	2.64	2.27	2456	3.30	2.69	2902	3.56	3.10	3354	4.23	3.48	3757
	1150	38.3	2.8	2.23	2675	2.36	1.88	3100	2.87	2.37	3900	3.38	2.67	4400
	690	23	1.41	1.16	3200	1.55	1.28	3500	2.08	1.68	4600	2.22	1.79	4900
	100	3.3	0.30	0.21	4000	0.3	0.21	4000	0.42	0.29	5600	0.42	0.29	5600
40	1750	43.8	2.10	1.70	2444	2.62	2.04	2944	2.80	2.30	3320	3.33	2.60	3747
	1150	28.8	1.52	1.19	2600	1.75	1.37	3000	2.25	1.78	3900	2.49	1.98	4325
	690	17.3	1.08	0.85	3100	1.17	0.91	3350	1.58	1.25	4600	1.68	1.33	4900
	100	2.5	0.25	0.15	3846	0.25	0.15	3846	0.37	0.23	5800	0.37	0.23	5800
50	1750	35	1.70	1.33	2403	2.12	1.55	2791	2.28	1.82	3280	2.71	2.01	3626
	1150	23	1.21	0.89	2450	1.41	1.04	2850	1.67	1.24	3400	1.96	1.46	4000
	690	13.8	0.87	0.61	2800	0.95	0.67	3050	1.19	0.85	3900	1.28	0.92	4200
	100	2.0	0.19	0.10	3325	0.19	0.10	3325	0.25	0.14	4500	0.25	0.14	4500
60	1750	29.2	1.40	1.06	2281	1.75	1.18	2549	1.88	1.45	3128	2.24	1.52	3496
	1150	19.2	1.05	0.70	2300	1.23	0.82	2700	1.50	1.02	3350	1.72	1.17	3850
	690	11.5	0.71	0.48	2650	0.78	0.53	2900	1.02	0.69	3800	1.10	0.75	4100
	100	1.7	0.16	0.083	3100	0.16	0.083	3100	0.22	0.12	4400	0.22	0.12	4400
80	1750	21.9	0.95	0.62	1795	—	—	—	—	—	—	—	—	—
	1150	14.4	0.81	0.50	2171	—	—	—	—	—	—	—	—	—
	690	8.6	0.61	0.34	2512	—	—	—	—	—	—	—	—	—
	100	1.3	0.14	0.06	3030	—	—	—	—	—	—	—	—	—
100	1750	17.5	0.65	0.39	1414	—	—	—	—	—	—	—	—	—
	1150	11.5	0.56	0.31	1711	—	—	—	—	—	—	—	—	—
	690	6.9	0.43	0.22	1980	—	—	—	—	—	—	—	—	—
	100	1	0.10	0.04	2387	—	—	—	—	—	—	—	—	—
Overhung Load*			1300 LBS.			1300 LBS.			2000 LBS.			2000 LBS.		
Output Shaft Thrust Load			1100 LBS.			1100 LBS.			1300 LBS.			1300 LBS.		

RATINGS SHOWN REFLECT MAXIMUM GEAR CAPACITY WITH KLUBERSYNTH UH1 6-460.

*Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM. Do NOT exceed 1750 RPM input horsepower (See page 347).

700 Series Single Reduction Ratio & Capacity Selection Tables

Horsepower and Torque Capacities at Listed RPM Inputs (Service Factor 1.0)

Series Size			752			752F			760			760F		
Ratio	Input RPM	Output RPM	Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output	
				HP	Torque (lb-in)		HP	Torque (lb-in)		HP	Torque (lb-in)		HP	Torque (lb-in)
10	1750	175	17.31	16.27	5860	21.63	19.94	7182	23.83	22.40	8067	26.13	24.04	8658
	1150	115	12.27	11.31	6200	14.25	13.14	7200	18.60	17.15	9400	20.78	19.16	10500
	690	69	9.58	8.54	7800	10.55	9.41	8600	14.87	13.41	12250	16.09	14.51	13250
	100	10	1.93	1.67	10500	1.93	1.67	10500	3.19	2.79	17600	3.19	2.79	17600
15	1750	116.7	13.06	12.25	6618	16.32	14.49	7829	17.87	16.76	9055	22.33	19.83	10712
	1150	77.7	9.14	8.15	6700	10.50	9.37	7700	12.56	11.20	9200	14.73	13.14	10800
	690	46	7.19	6.42	8800	7.74	6.92	9475	9.20	8.21	11250	10.76	9.61	13184
	100	6.7	1.56	1.26	11900	1.56	1.26	11900	2.18	1.81	17000	2.18	1.81	17000
20	1750	87.5	10.19	9.49	6830	12.74	11.21	8075	14.02	13.07	9412	17.52	15.38	11080
	1150	57.5	7.57	6.66	7300	8.70	7.66	8400	10.63	9.35	10250	11.93	10.49	11500
	690	34.5	5.59	4.93	9000	5.97	5.25	9600	7.83	6.89	12600	8.54	7.53	13750
	100	5.0	1.18	0.92	11585	1.18	0.92	11585	1.63	1.34	17000	1.63	1.34	17000
30	1750	58.3	7.30	6.45	6964	9.12	7.72	8336	9.81	8.89	9603	12.26	10.38	11219
	1150	38.3	5.50	4.68	7700	6.29	5.34	8800	7.50	6.38	10500	8.39	7.14	11750
	690	23	4.03	3.43	9400	4.38	3.72	10200	5.48	4.67	12800	5.91	5.04	13800
	100	3.3	0.93	0.64	12250	0.93	0.64	12250	1.24	0.92	17500	1.24	0.92	17500
40	1750	43.8	5.60	4.78	6889	7.00	5.68	8178	7.65	6.64	9566	9.56	7.77	11197
	1150	28.8	4.06	3.33	7300	4.68	3.84	8400	5.74	4.68	10250	6.44	5.25	11500
	690	17.3	3.01	2.46	9000	3.21	2.62	9600	4.21	3.44	12600	4.60	3.75	13750
	100	2.5	0.71	0.46	11585	0.71	0.46	11585	1.00	0.67	17000	1.00	0.67	17000
50	1750	35	4.49	3.75	6751	5.61	4.26	7678	6.12	5.21	9378	7.65	5.46	9836
	1150	23	3.34	2.48	6800	3.93	2.92	8000	4.68	3.58	9800	5.25	4.01	11000
	690	13.8	2.32	1.77	8100	2.52	1.93	8800	3.52	2.68	12250	3.80	2.90	13250
	100	2.0	0.46	0.28	9000	0.46	0.28	9000	0.80	0.51	16000	0.80	0.51	16000
60	1750	29.2	3.67	2.97	6416	4.59	3.22	6953	5.03	4.13	8934	6.29	4.41	9528
	1150	19.2	2.89	2.04	6700	3.33	2.34	7700	4.31	2.98	9800	4.84	3.35	11000
	690	11.5	2.07	1.46	8000	2.25	1.59	8700	3.22	2.23	12200	3.48	2.41	13200
	100	1.7	0.43	0.24	9000	0.43	0.24	9000	0.74	0.43	16000	0.74	0.43	16000
Overhung Load*			2200 LBS.			2200 LBS			2400 LBS.			2400 LBS.		
Output Shaft Thrust Load			1900 LBS.			1900 LBS.			2100 LBS.			2100 LBS.		

RATINGS SHOWN REFLECT MAXIMUM GEAR CAPACITY WITH KLUBERSYNTH UH1 6-460.

*Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM. Do NOT exceed 1750 RPM input horsepower (See page 347).



700 Series Single Reduction Flanged Reducer Dimensions

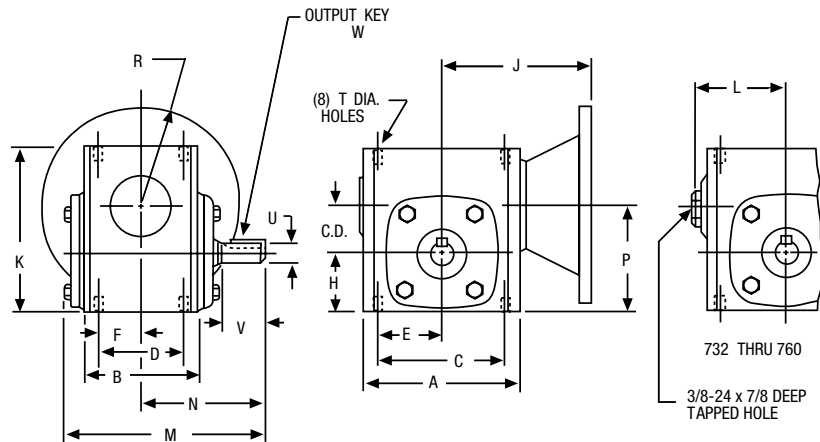
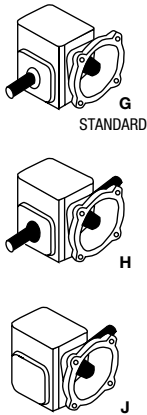
F700/QC700 Series Flanged Quill/Flanged Coupling Types

Basic Models (No Base)

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33

ASSEMBLY TYPES*



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	H	J-NEMA Mounting ††						K	L	M
									F700		QC700		RF700				
									56C 140TC	180TC 210C	56C 140TC	180TC 210TC 250TC	56C	180TC 210TC 250TC			
710	1.00	3.25	2.50	2.63	1.69	1.31	0.84	1.31	3.97	—	5.01	—	5.72	—	3.63	—	4.53
713	1.33	4.25	2.88	3.25	2.00	1.63	1.00	1.72	3.94	—	5.46	—	6.59	—	4.64	—	6.03
715	1.54	5.13	3.69	4.19	2.75	2.09	1.38	1.91	4.50	—	6.11	—	7.34	—	5.38	—	6.84
718	1.75	5.50	3.69	4.19	2.75	2.09	1.38	2.06	4.69	—	6.29	—	7.53	—	5.75	—	6.81
721	2.06	6.00	3.81	5.00	2.88	2.50	1.44	2.28	5.06	—	6.76	—	8.31	—	6.38	—	7.28
724	2.38	6.38	4.06	5.00	2.88	2.50	1.44	2.50	5.25	5.69	6.95	7.81	8.50	9.94	6.94	—	7.81
726	2.62	7.38	4.44	6.38	3.38	3.19	1.69	2.94	5.75	6.19	7.39	8.31	9.47	10.44	8.00	—	8.53
730	3.00	8.12	5.25	7.00	4.00	3.50	2.00	3.25	6.20	6.64	7.84	8.77	9.92	10.88	8.88	—	10.02
732	3.25	9.00	5.88	7.50	4.00	3.75	2.00	3.50	6.56	7.00	8.20	9.13	10.28	11.25	9.38	4.94	10.81
738	3.75	10.00	6.38	8.50	4.75	4.25	2.38	3.88	7.06	7.50	8.70	10.28	11.81	12.88	10.44	5.50	11.88
752	5.16	13.13	7.38	11.00	5.81	5.50	2.91	5.31	—	—	—	—	—	16.00	13.75	7.19	13.81
760	6.00	14.50	8.13	12.75	6.38	6.38	3.19	6.50	—	—	—	—	—	16.69	16.50	7.94	15.31

Size	N	P	R-NEMA Mounting			T		Low Speed Shaft				Aprox. Weight (LBS.)		Fan Kit No.**
			42CZ	56C 140TC	180TC 210TC 250TC	TAP Size	Depth	U +.000 -.001	V	W-Key		F700	QC700	
										Sq.	Length			
710	2.88	2.31	2.16	3.31	—	1/4-20	.44	.500	1.19	1/8	5/8	6	8	—
713	4.00	3.06	—	3.31	—	5/16-18	.50	.625	2.00	3/16	1	12	15	—
715	4.31	3.44	—	3.31	—	5/16-18	.50	.750	1.78	3/16	1	18	24	—
718	4.31	3.81	—	3.31	—	5/16-18	.50	.875	1.78	3/16	1	20	27	—
721	4.69	4.34	—	3.31	—	3/8-16	.56	1.000	2.09	1/4	1-1/4	25	30	—
724	5.09	4.88	—	3.31	4.63	3/8-16	.56	1.125	2.38	1/4	1-1/4	31	36	—
726	5.63	5.56	—	3.31	4.63	3/8-16	.56	1.125	2.63	1/4	1-15/16	46	47	—
730	6.75	6.25	—	3.31	4.63	7/16-14	.88	1.250	3.25	1/4	2-1/4	66	72	—
732	7.06	6.75	—	3.31	4.63	7/16-14	.66	1.375	3.25	5/16	2-7/16	84	84	51450
738	7.75	7.63	—	3.31	4.63	1/2-13	.81	1.625	3.50	3/8	2-1/4	117	119	51451
752	9.06	10.50	—	—	4.63	5/8-11	1.00	2.000	4.16	1/2	2-15/16	—	221	51452
760	10.00	12.50	—	—	4.63	5/8-11	1.00	2.250	4.56	1/2	3-3/8	—	270	51453

*See Assemblies and Mounting Positions, Page 18.

**For Fan Kits, see Page 130.

For Base Kits, see Page 129.

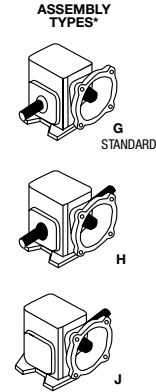
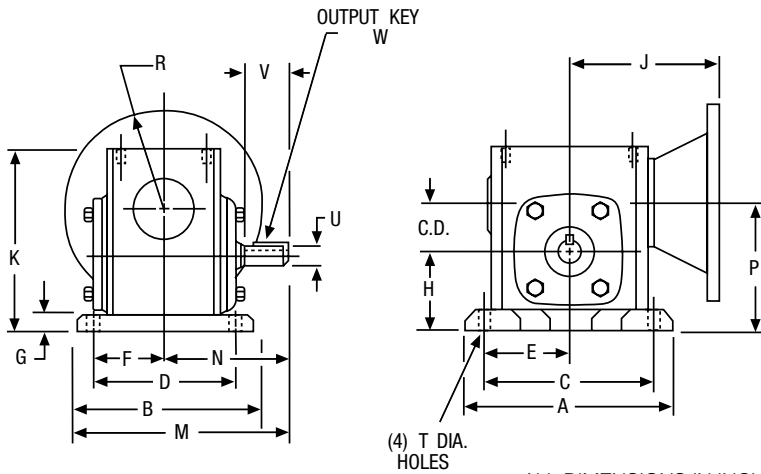
†† 42CZ Flange Dimensions: F700 J = 3.16 : QC700 J = 4.15 : RF700 J = 4.76

700 Series Single Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types B Position Horizontal Base

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting ††						K	M
										F700		QC700		RF700			
										56C 140TC	180TC 210C	56C 140TC	180TC 210TC 250TC	56C	180TC 210TC 250TC		
710	1.00	4.63	3.69	3.75	2.88	1.88	1.44	0.44	1.75	3.97	—	5.01	—	5.72	—	4.06	4.72
713	1.33	5.38	4.19	4.38	3.31	2.19	1.66	0.53	2.25	3.94	—	5.46	—	6.59	—	5.19	6.09
715	1.54	6.44	5.44	5.25	4.31	2.63	2.16	0.59	2.50	4.50	—	6.11	—	7.34	—	5.97	7.03
718	1.75	7.00	5.69	5.75	4.50	2.88	2.25	0.69	2.75	4.69	—	6.29	—	7.53	—	6.44	7.16
721	2.06	7.75	5.94	6.38	4.69	3.19	2.34	0.72	3.00	5.06	—	6.76	—	8.31	—	7.09	7.66
724	2.38	8.50	6.19	7.06	4.88	3.53	2.44	0.75	3.25	5.25	5.69	6.95	7.81	8.50	9.94	7.69	8.19
726	2.62	9.63	6.66	8.00	5.25	4.00	2.63	0.75	3.69	5.75	6.19	7.39	8.31	9.47	10.44	8.75	8.97
730	3.00	10.00	7.50	8.44	5.88	4.22	2.94	0.75	4.00	6.20	6.64	7.84	8.77	9.92	10.88	9.63	10.50
732	3.25	11.19	7.66	9.50	6.13	4.75	3.06	0.88	4.38	6.56	7.00	8.20	9.13	10.28	11.25	10.25	10.94
738	3.75	12.13	8.66	10.38	7.00	5.19	3.50	0.94	4.81	7.06	7.50	8.70	10.28	11.81	12.88	11.38	12.09
752	5.16	16.38	10.63	14.13	8.38	7.06	4.19	1.13	6.44	—	—	—	—	—	16.00	14.88	14.38
760	6.00	19.00	12.00	16.50	9.50	8.25	4.75	1.25	7.75	—	—	—	—	—	16.69	17.75	16.00

Size	N	P	R-NEMA Mounting			T	Low Speed Shaft				Aprox. Weight (LBS.)		Base Kit No. †	Fan Kit No. **
			42CZ	56C 140TC	180TC 210TC 250TC		U +.000 -.001	V	W-Key		F700	QC700		
									Sq.	Length				
710	2.88	2.75	2.16	3.31	—	11/32	.500	1.19	1/8	5/8	7	8	56575	—
713	4.00	3.59	—	3.31	—	11/32	.625	2.00	3/16	1	13	16	56577	—
715	4.31	4.06	—	3.31	—	13/32	.750	1.78	3/16	1	19	25	56438	—
718	4.31	4.50	—	3.31	—	13/32	.875	1.78	3/16	1	21	28	56585	—
721	4.69	5.06	—	3.31	—	15/32	1.000	2.09	1/4	1-1/4	26	31	56440	—
724	5.09	5.63	—	3.31	4.63	15/32	1.125	2.38	1/4	1-1/4	32	37	56591	—
726	5.63	6.31	—	3.31	4.63	17/32	1.125	2.63	1/4	1-15/16	49	49	56595	—
730	6.75	7.00	—	3.31	4.63	17/32	1.250	3.25	1/4	2-1/4	71	72	65544	—
732	7.06	7.63	—	3.31	4.63	17/32	1.375	3.25	5/16	2-7/16	93	94	56599	51450
738	7.75	8.56	—	3.31	4.63	19/32	1.625	3.50	3/8	2-1/4	131	140	56603	51451
752	9.06	11.63	—	—	4.63	25/32	2.000	4.16	1/2	2-15/16	—	242	56607	51452
760	10.00	13.75	—	—	4.63	29/32	2.250	4.56	1/2	3-3/8	—	300	56610	51453

*See Assemblies and Mounting Positions, Page 18.

**For Fan Kits, see Page 130.

For Base Kits, see Page 129.

†† 42CZ Flange Dimensions: F700 J = 3.16 : QC700 J = 4.15 : RF700 J = 4.76



700 Series Single Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

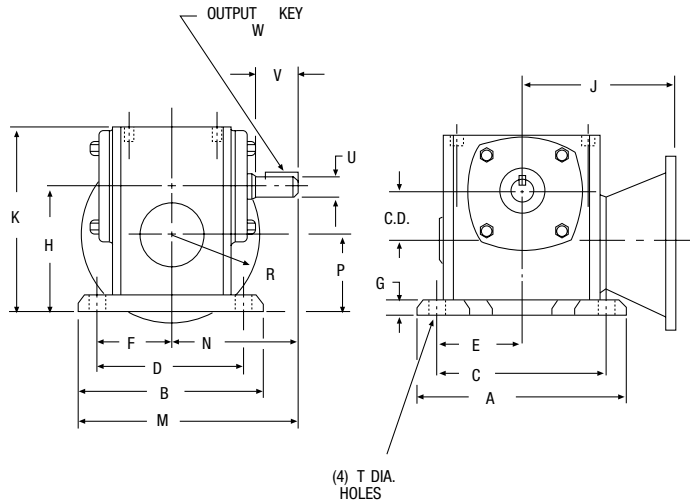
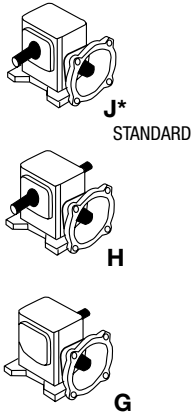
A Position Horizontal Base

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33

A

ASSEMBLY TYPES*



All DIMENSIONS IN INCHES

NEMA Mounting	Input	
	Bore +.0015 -.0000	Keyway
42CZ	0.5	1/8 x 1/16
56C	0.625	3/16 x 3/32
140TC	0.875	3/16 x 3/32
180TC	1.125	1/4 x 1/8
210TC	1.375	5/16 x 5/32

All DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting ††						K	M
										F700		QC700		RF700			
										56C 140TC	180TC 210C	56C 140TC	180TC 210TC 250TC	56C	180TC 210TC 250TC		
710	1.00	4.62	3.69	3.75	2.88	1.88	1.44	0.44	2.75	3.97	—	5.01	—	5.72	—	4.06	4.72
713	1.33	5.38	4.19	4.38	3.31	2.19	1.66	0.53	3.47	3.94	—	5.46	—	6.59	—	5.19	6.09
715	1.54	6.44	5.44	5.25	4.31	2.63	2.16	0.59	4.06	4.50	—	6.11	—	7.34	—	5.97	7.03
718	1.75	7.00	5.69	5.75	4.50	2.88	2.25	0.69	4.38	4.69	—	6.29	—	7.53	—	6.44	7.16
721	2.06	7.75	5.94	6.37	4.69	3.19	2.34	0.72	4.81	5.06	—	6.76	—	8.31	—	7.09	7.66
724	2.37	8.50	6.19	7.06	4.88	3.53	2.44	0.75	5.19	5.25	5.69	6.95	7.81	8.50	9.94	7.69	8.19
726	2.62	9.63	6.66	8.00	5.25	4.00	2.62	0.75	5.81	5.75	6.19	7.39	8.31	9.47	10.44	8.75	8.97
730	3.00	10.00	7.50	8.44	5.88	4.22	2.94	0.75	6.38	6.20	6.64	7.84	8.77	9.92	10.88	9.63	10.50
732	3.25	11.19	7.66	9.50	6.12	4.75	3.06	0.88	6.75	6.56	7.00	8.20	9.13	10.28	11.25	10.25	10.89
738	3.75	12.13	8.66	10.37	7.00	5.19	3.50	0.94	7.50	7.06	7.50	8.70	10.28	11.81	12.88	11.38	12.09

Size	N	P	R					T Holes	Low Speed Shaft				Aprox. Wiegth (LBS.)		Base Kit No.†	Fan Kit No.**
			NEMA Mounting						U +.000/- .001	V	W-Key		F700	QC700		
			42CZ	56C	140TC	180TC	210TC				Sq.	Length				
710	2.88	1.75	2.16	3.31	—	—	—	11/32	.500	1.19	1/8	5/8	7	8	56575	—
713	4.00	2.13	—	3.31	—	—	—	11/32	.625	2.00	3/16	1	13	16	56577	—
715	4.31	2.50	—	3.31	3.31	—	—	13/32	.750	1.78	3/16	1	19	25	56438	—
718	4.31	2.63	—	3.31	3.31	—	—	13/32	.875	1.78	3/16	1	21	28	56585	—
721	4.69	2.75	—	3.31	3.31	—	—	15/32	1.000	2.09	1/4	1-1/4	26	31	56440	—
724	5.09	2.81	—	3.31	3.31	4.63	—	15/32	1.125	2.37	1/4	1-1/4	32	37	56591	—
726	5.62	3.19	—	3.31	3.31	4.63	—	17/32	1.125	2.62	1/4	1-15/16	49	49	56595	—
730	6.75	3.38	—	3.31	3.31	4.63	—	17/32	1.250	3.25	1/4	2-1/4	71	72	65544	—
732	7.06	3.50	—	3.31	3.31	4.63	—	17/32	1.375	3.25	5/16	2-7/16	93	94	56599	51450
738	7.75	3.75	—	—	3.31	4.63	4.63	19/32	1.625	3.50	3/8	2-1/4	131	140	56603	51451

* See Assemblies and Mounting Positions, Page 18.

** For Fan Kits, see Page 130.

For Base Kits, see Page 129.

†† 42CZ Flange Dimensions: F700 J = 3.16 : QC700 J = 4.15 : RF700 J = 4.76

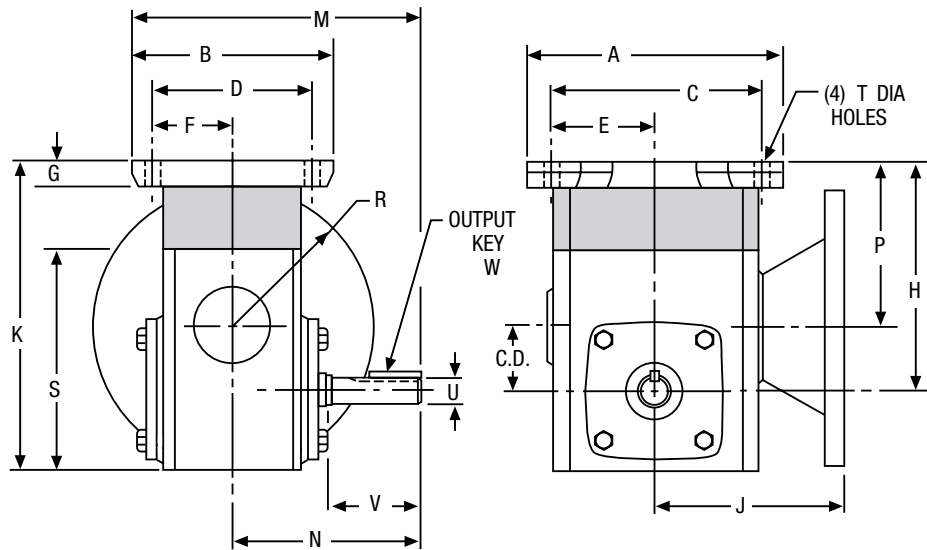
700 Series Single Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

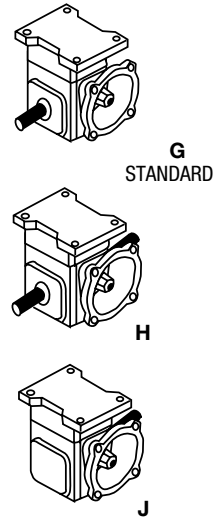
BRB Position Horizontal Base with Riser Block

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33



ASSEMBLY TYPES*



Size	C.D.	A	B	C	D	E	F	G	H			J-NEMA Mounting ††						K		
									NEMA Mounting			F700		QC700		RF700		42CZ	56C 140TC	180TC 210C
									42CZ	56C 140TC	180TC 210C	56C 140TC	180TC 210C	56C 140TC	180TC 210C	56C 140TC	180TC 210C			
710	1.00	4.63	3.69	3.75	2.88	1.88	1.44	.44	3.94	5.13	—	3.97	—	5.01	—	5.72	—	5.25	6.44	—
713	1.33	5.38	4.19	4.38	3.31	2.19	1.66	.53	—	5.47	—	3.94	—	5.46	—	6.59	—	—	7.19	—
715	1.54	6.44	5.44	5.25	4.31	2.63	2.16	.59	—	5.66	—	4.50	—	6.11	—	7.34	—	—	7.57	—
718	1.75	7.00	5.69	5.75	4.50	2.88	2.25	.69	—	6.06	—	4.69	—	6.29	—	7.53	—	—	8.13	—
721	2.06	7.75	5.94	6.38	4.69	3.19	2.34	.72	—	6.34	—	5.06	—	6.76	—	8.31	—	—	8.63	—
724	2.38	8.50	6.19	7.06	4.88	3.53	2.44	.75	—	6.69	8.19	5.25	5.69	6.95	7.81	8.50	9.94	—	9.19	10.69
726	2.62	9.63	6.66	8.00	5.25	4.00	2.63	.75	—	7.06	8.33	5.75	6.19	7.39	8.31	9.47	10.44	—	10.00	11.27
730	3.00	10.00	7.5	8.44	5.88	4.22	2.94	.75	—	7.44	8.51	6.20	6.64	7.84	8.77	9.92	10.88	—	10.69	11.76
732	3.25	11.19	7.66	9.5	6.13	4.75	3.06	.88	—	7.94	9.13	6.56	7.00	8.20	9.13	10.28	11.25	—	11.44	12.63

Size	M	N	P			R			S	T	Low Speed Shaft				Aprox. Weight (LBS.)		Base Kit No. †	Fan Kit No. **
			NEMA Mounting			NEMA Mounting					U +.000 - .001	V	W-Key		F	QC		
			42CZ	56C 140TC	180TC 210C	42CZ	56C 140TC	180TC 210C					Sq.	Length				
710	4.72	2.88	2.94	4.13	—	1.69	3.31	—	3.62	11/32	.500	1.19	1/8	5/8	7	8	56575	—
713	6.09	4.00	—	4.13	—	—	3.31	—	4.66	11/32	.625	2.00	3/16	1	13	16	56577	—
715	7.03	4.31	—	4.10	—	—	3.31	—	5.38	13/32	.750	1.78	3/16	1	19	24	56438	—
718	7.16	4.31	—	4.32	—	—	3.31	—	5.75	13/32	.875	1.78	3/16	1	21	27	56585	—
721	7.66	4.69	—	4.29	—	—	3.31	—	6.38	15/32	1.000	2.09	1/4	1 1/4	26	31	56440	—
724	8.19	5.09	—	4.31	5.81	—	3.31	4.63	6.94	15/32	1.125	2.38	1/4	1 1/4	32	37	56591	—
726	8.97	5.63	—	4.45	5.71	—	3.31	4.63	8.00	17/32	1.125	2.63	1/4	1 15/16	49	49	56595	—
730	10.50	6.75	—	4.44	5.51	—	3.31	4.63	8.88	17/32	1.250	3.25	1/4	2-1/4	71	72	65544	—
732	10.94	7.06	—	4.69	5.88	—	3.31	4.63	9.38	17/32	1.375	3.25	5/16	2 7/16	93	94	56599	51450

* See Assemblies and Mounting Positions, Page 18.

** For Fan Kits, see Page 130.

For Base Kits, see Page 129.

†† 42CZ Flange Dimensions: F700 J = 3.16 : QC700 J = 4.15 : RF700 J = 4.76

700 Series Single Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

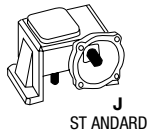
C/D Position Vertical Base; C/E High Base; D/F Low Base

FOR ORDERING INFORMATION, see Page 16

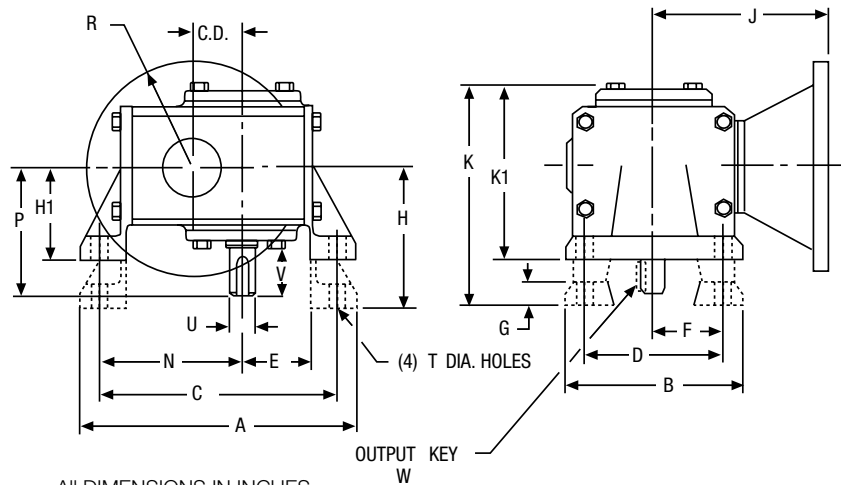
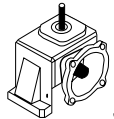
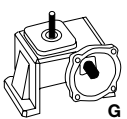
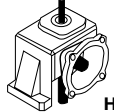
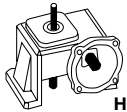
FOR RATING INFORMATION, See Pages 17, 22-33

ASSEMBLY TYPES*

C/D BASES



E/F BASES



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	H1	J-NEMA Mounting ††						K	K1
											F700		QC700		RF700			
											56C 140TC	180TC 210C	56C 140TC	180TC 210TC 250TC	56C	180TC 210TC		
710	1.00	6.06	3.22	5.13	2.31	1.38	1.16	0.44	2.94	—	3.97	—	5.01	—	5.72	—	4.59	—
713	1.33	7.09	4.13	6.16	3.25	1.78	1.63	0.53	3.56	2.31	3.94	—	5.46	—	6.59	—	5.59	4.34
715	1.54	8.03	5.16	6.97	4.00	1.97	2.00	0.69	4.38	3.00	4.50	—	6.11	—	7.34	—	6.91	5.53
718	1.75	8.44	5.16	7.38	4.00	2.13	2.00	0.69	4.38	3.00	4.69	—	6.29	—	7.53	—	6.88	5.50
721	2.06	9.50	6.03	8.38	4.88	2.34	2.44	0.72	4.88	3.13	5.06	—	6.76	—	8.31	—	7.50	5.75
724	2.38	10.06	6.31	8.94	4.88	2.56	2.44	0.75	5.25	3.38	5.25	5.69	6.95	7.81	8.50	9.94	7.97	6.09
726	2.62	11.69	7.38	10.13	5.75	3.00	2.88	0.88	5.59	3.63	5.75	6.19	7.39	8.31	9.47	10.44	8.50	6.53
730	3.00	12.50	8.00	11.13	6.00	3.34	3.00	0.94	5.88	3.94	6.20	6.64	7.84	8.77	9.92	10.88	9.13	7.20
732	3.25	13.38	9.00	11.88	6.13	3.56	3.06	0.88	6.25	4.69	6.56	7.00	8.20	9.13	10.28	11.25	10.00	8.56
738	3.75	15.69	10.00	13.94	8.00	4.00	4.00	0.94	7.00	5.25	7.06	7.50	8.70	10.28	11.81	12.88	11.12	9.38
752	5.16	20.50	13.13	18.00	10.00	5.44	5.00	1.13	8.63	6.38	—	—	—	—	—	16.00	13.38	11.13
760	6.00	23.25	14.75	20.88	11.75	6.63	5.88	1.13	9.63	7.31	—	—	—	—	—	16.69	14.94	12.63

Size	N	P	R				Low Speed Shaft				High Base			Low Base			Fan Kit No.**
			NEMA Mounting			T Holes	U +.000 -.001	V	W-KEY		Approx. Weight (LBS.)	Base Kit No. †	Approx. Weight (LBS.)		Base Kit No. †		
			42CZ	180TC 56C 140TC	210TC 250TC				Sq.	Length			F	QC		F	
710	3.06	2.88	2.16	3.31	—	11/32	.500	1.19	1/8	5/8	7	10	56576	—	—	—	—
713	3.69	4.00	—	3.31	—	11/32	.625	2.00	3/16	1	13	19	56578	12	16	56579	—
715	4.25	4.31	—	3.31	—	13/32	.750	1.78	3/16	1	22	27	56582	21	26	56583	—
718	4.50	4.31	—	3.31	—	13/32	.875	1.78	3/16	1	24	30	56582	23	29	56583	—
721	5.09	4.69	—	3.31	—	15/32	1.000	2.09	1/4	1-1/4	29	35	56588	28	32	56589	—
724	5.44	5.09	—	3.31	4.63	15/32	1.125	2.38	1/4	1-1/4	39	44	56592	38	40	56593	—
726	6.13	5.63	—	3.31	4.63	17/32	1.125	2.63	1/4	1-15/16	59	57	56596	51	53	56597	—
730	6.75	6.75	—	3.31	4.63	17/32	1.250	3.25	1/4	2-1/4	77	79	65545	73	76	65546	—
732	7.13	7.06	—	3.31	4.63	17/32	1.375	3.25	5/16	2-7/16	95	98	56600	90	93	56601	51450
738	8.31	7.75	—	3.31	4.63	19/32	1.625	3.50	3/8	2-1/4	153	147	56604	143	136	56605	51451
752	10.56	9.06	—	—	4.63	29/32	2.000	4.16	1/2	2-15/16	—	267††	56608	—	255	56609	51452
760	12.19	10.00	—	—	4.63	29/32	2.250	4.56	1/2	3-3/8	—	345††	56611	—	325	56612	51453

* See Assemblies and Mounting Positions, Page 18. ** For Fan Kits, see Page 130.

† For Base Kits, see Page 129.

†† 42CZ Flange Dimensions: F700 J = 3.16 : QC700 J = 4.15 : RF700 J = 4.76

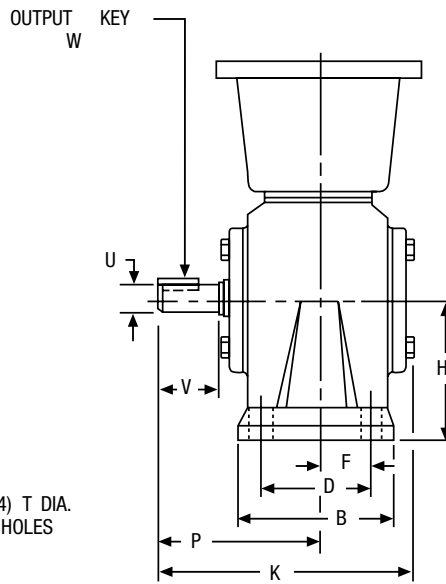
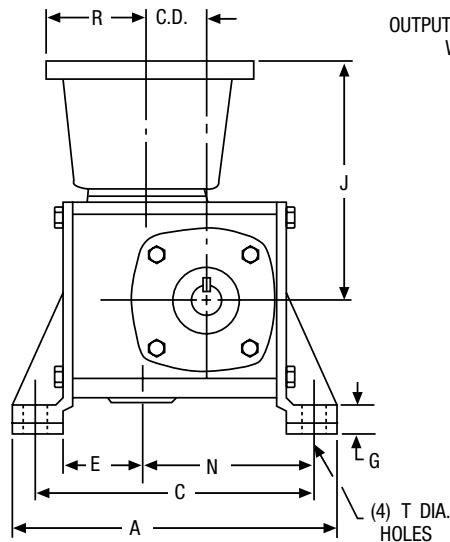
700 Series Single Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

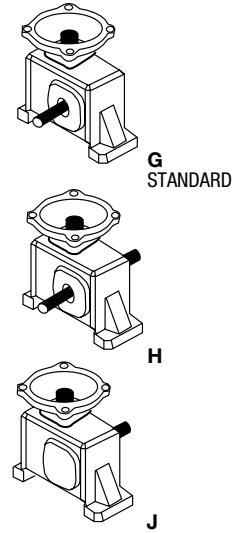
X Position Vertical Base; X = Input Vertical Up

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33



ASSEMBLY TYPES*



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting ††						K	N
										F700		QC700		RF700			
										56C 140TC	180TC 210C	56C 140TC	180TC 210TC	56C	180TC 210TC 250TC		
713	1.33	7.28	2.91	6.41	2.00	1.70	1.00	0.53	2.94	3.94	—	5.46	—	6.59	—	6.03	3.92
715	1.54	8.25	3.72	7.25	2.50	2.00	1.25	0.69	3.50	4.50	—	6.11	—	7.34	—	6.84	4.37
718	1.75	8.62	3.72	7.63	2.50	2.00	1.25	0.69	3.50	4.69	—	6.29	—	7.53	—	6.81	4.75
721	2.06	9.75	3.84	8.63	2.63	2.09	1.31	0.72	3.94	5.06	—	6.76	—	8.31	—	7.28	5.47
724	2.37	10.31	4.13	9.19	2.88	2.13	1.44	0.75	4.06	5.25	5.69	6.95	7.81	8.50	9.94	7.81	6.00
726	2.62	11.88	4.53	10.38	3.13	2.50	1.56	0.88	4.75	5.75	6.19	7.39	8.31	9.47	10.44	8.53	6.75

Size	P	R-NEMA Mounting		T Holes	Low Speed Shaft				Approximate Weight (LBS.)		Base Kit No. †
		56C 140TC	180TC		U +.000 -.001	V	W-Key		F	QC	
							Sq.	Length			
713	4.00	3.31	—	11/32	.625	2.00	3/16	1	13	13	55196
715	4.31	3.31	—	13/32	.750	1.78	3/16	1	21	24	55349
718	4.30	3.31	—	13/32	.875	1.78	3/16	1	22	27	55349
721	4.69	3.31	—	15/32	1.000	2.09	1/4	1-1/4	28	30	55644
724	5.09	3.31	4.63	15/32	1.125	2.38	1/4	1-1/4	37	37	55678
726	5.63	3.31	4.63	17/32	1.125	2.63	1/4	1-1/4	54	55	55769

* Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces. Input may be rotated clockwise or counterclockwise. See Assemblies and Mounting Positions, Page 18.

† For Base Kits, see Page 129.

†† 42CZ Flange Dimensions: F700 J = 3.16 : QC700 J = 4.15 : RF700 J = 4.76

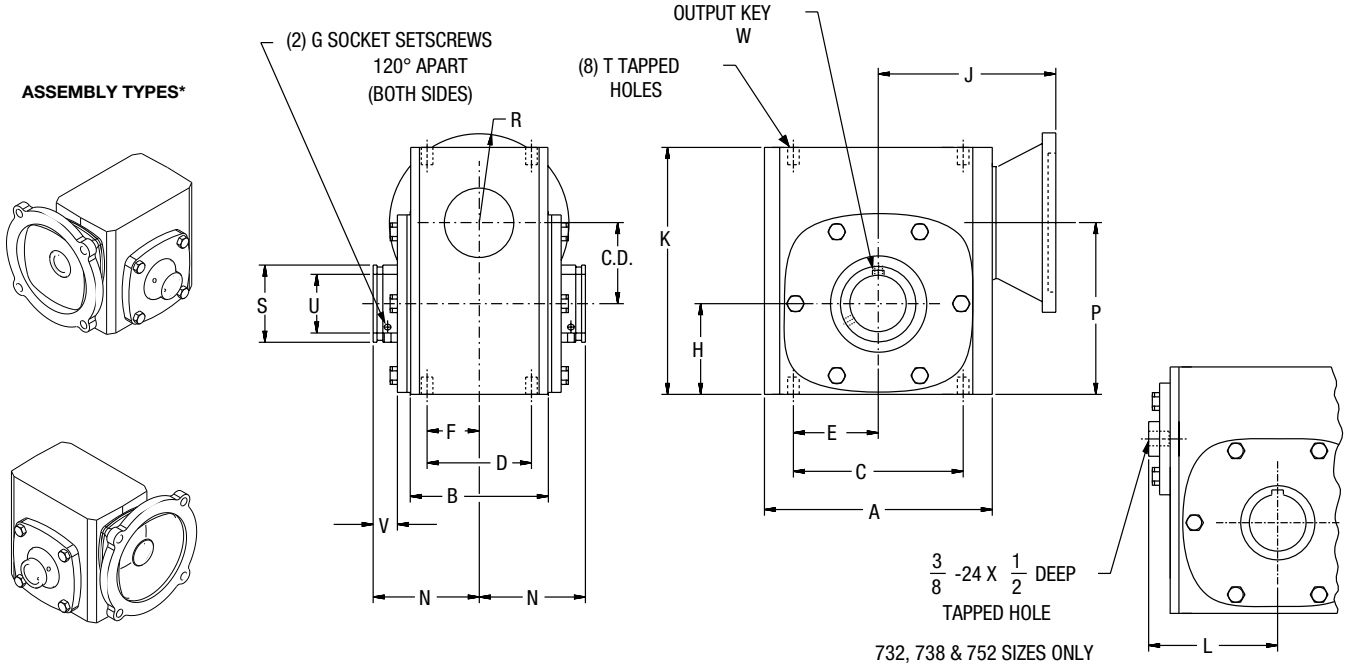
700 Series Single Reduction Flanged Reducer Dimensions

HF700/HQC700 Series Flanged Quill/Flanged Coupling Types

Basic Models (No Base); Bored to Size, Hollow Output Shaft

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting ††						K	L	N
										F700		QC700		RF700				
										56C 140TC	180TC 210C	56C 140TC	180TC 210TC 250TC	56C	180TC 210TC 250TC			
713	1.33	4.25	2.88	3.25	2.00	1.63	1.00	#10-32	1.72	3.97	—	5.46	—	6.59	—	4.66	—	2.50
715	1.54	5.13	3.69	4.19	2.75	2.09	1.38	#10-32	1.91	4.50	—	6.11	—	7.34	—	5.38	—	3.03
718	1.75	5.50	3.69	4.19	2.75	2.09	1.38	#10-32	2.06	4.69	—	6.29	—	7.53	—	5.75	—	3.03
721	2.06	6.00	3.81	5.00	2.88	2.50	1.44	1/4-28	2.28	5.06	—	6.76	—	8.31	—	6.38	—	3.22
724	2.38	6.38	4.06	5.00	2.88	2.50	1.44	1/4-28	2.50	5.25	5.69	6.95	7.81	8.50	9.94	6.94	—	3.22
726	2.62	7.38	4.44	6.38	3.38	3.19	1.69	5/16-24	2.94	5.75	6.19	7.39	8.31	9.47	10.44	8.00	—	3.44
730	3.00	8.12	5.25	7.00	4.00	3.50	2.00	5/16-24	3.25	6.20	6.64	7.84	8.77	9.92	10.88	8.88	—	4.19
732	3.25	9.00	5.88	7.50	4.00	3.75	2.00	5/16-24	3.50	6.56	7.00	8.20	9.13	10.28	11.25	9.38	4.94	4.31
738	3.75	10.00	6.38	8.50	4.75	4.25	2.38	3/8-24	3.88	7.06	7.50	8.70	10.28	11.81	12.88	10.44	5.50	4.81
752	5.16	13.13	7.38	11.0	5.81	5.50	2.91	3/8-24	5.31	—	—	—	—	—	16.00	13.75	7.19	6.12

Size	P	R-NEMA Mounting		S	T		Low Speed Shaft			Approx. Weight(LBS.)		Fan Kit No.**	
		56C 140TC	180TC 210C		Tap Size	Depth	Max U +.0015/- .0000	V	W-Key		HF		HQC
		Size	Length										
713	3.06	3.31	—	.88	5/16-18	.50	.625	.68			7	9	—
715	3.44	3.31	—	1.38	5/16-18	.50	1.000	.84			21	21	—
718	3.81	3.31	—	1.38	5/16-18	.50	1.000	.74			23	24	—
721	4.34	3.31	—	2.00	3/8-16	.56	1.4375	.87		See Page	27	27	—
724	4.88	3.31	4.63	2.00	3/8-16	.56	1.4375	.75		128 For	36	40	—
726	5.56	3.31	4.63	2.50	3/8-16	.56	1.9375	.78		Key Information	49	49	—
730	6.25	3.31	4.63	2.88	7/16-14	.88	2.1875	1.10			70	74	—
732	6.75	3.31	4.63	2.88	7/16-14	.66	2.1875	.93			90	102	51450
738	7.63	3.31	4.63	3.25	1/2-13	.75	2.4375	1.11			130	141	51451
752	10.50	—	4.63	4.25	5/8-11	1.00	3.4375	1.37			—	242	51457

* See Assemblies and Mounting Positions, Page 18. ** For Fan Kits, see Page 130. See Page 128 for available bore sizes.

Input may be rotated clockwise or counterclockwise. The "SF" style is recommended for direct replacement only.

†† 42CZ Flange Dimensions: F700 J = 3.16 : QC700 J = 4.15 : RF700 J = 4.76

700 Series Single Reduction Flanged Reducer Dimensions

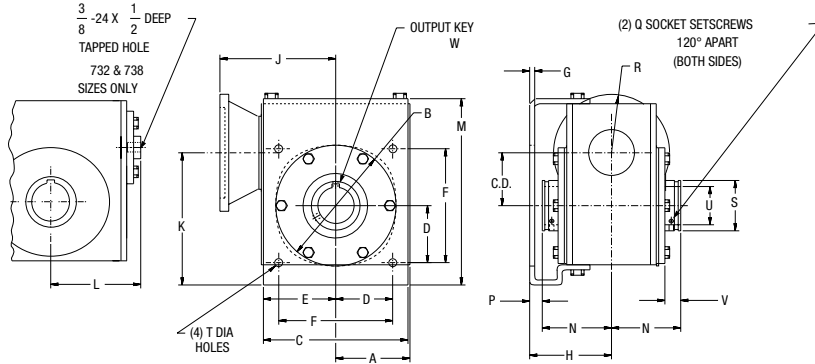
HF700/HQC700 Series Flanged Quill/Flanged Coupling Types

R/L Position Mounting Bracket; Bored to Size, Hollow Output Shaft

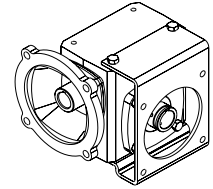
FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33

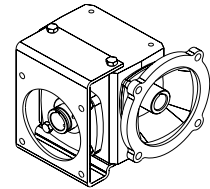
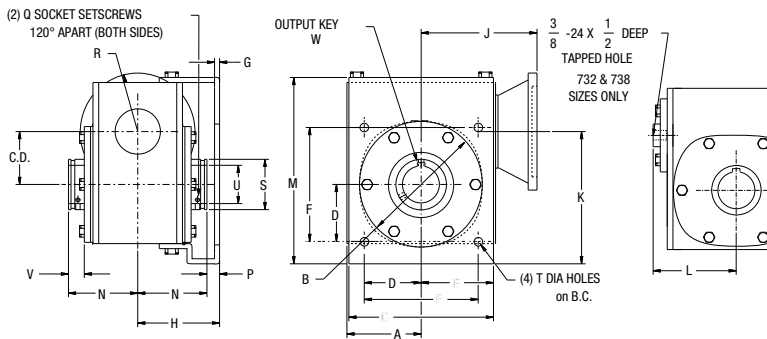
R Position



ASSEMBLY TYPES*



L Position



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting ††					K	L	
										HF700		HQC700		RF700			
										56C 140TC	180TC 210C	56C 140TC	180TC 210TC	56C 180TC 210TC 250TC			
713	1.33	2.12	3.62	4.25	1.77	2.12	3.54	0.19	3.00	3.94	—	5.46	—	6.59	—	3.70	—
715	1.54	2.56	3.62	4.75	1.77	2.38	3.54	0.19	3.56	4.50	—	6.11	—	7.34	—	4.07	—
718	1.75	2.75	4.06	5.00	2.08	2.41	4.16	0.19	3.50	4.69	—	6.29	—	7.53	—	4.53	—
721	2.06	3.00	4.50	5.75	2.30	2.88	4.60	0.19	3.75	5.06	—	6.76	—	8.31	—	5.18	—
724	2.38	3.19	5.00	6.12	2.65	2.88	5.30	0.25	3.72	5.25	5.69	6.95	7.81	8.50	9.94	5.98	—
726	2.62	3.69	6.00	7.18	2.83	3.59	5.66	0.25	4.06	5.75	6.19	7.39	8.31	9.47	10.44	6.56	—
730	3.00	4.06	7.00	8.00	3.18	4.00	6.36	0.25	4.50	6.20	6.64	7.84	8.77	9.92	10.88	7.51	—
732	3.25	4.50	7.00	8.50	3.54	4.25	7.08	0.25	5.25	6.56	7.00	8.20	9.13	10.28	11.25	8.00	4.94
738	3.75	5.00	8.00	9.50	4.06	4.75	8.12	0.25	5.47	7.06	7.50	8.70	10.28	11.81	12.88	8.78	5.50

Size	M	N	P	Q	R-NEMA Mounting		S	T Holes	B.C.	Low Speed Shaft			Approx. Weight(LBS.)		Fan Kit No.**	
					56C 140TC	180TC 210C				+0015 -0000	V	W-Key		HF		HQC
					Size	Length										
713	5.55	2.50	.50	#10-32	3.31	—	.88	11/32	5.000	.625	.68		16	20	—	
715	6.16	3.03	.44	#10-32	3.31	—	1.38	11/32	5.000	1.000	.84		22	28	—	
718	6.66	3.03	.47	#10-32	3.31	—	1.38	11/32	5.875	1.000	.74	See Page	29	31	—	
721	7.47	3.22	.53	1/4-28	3.31	—	1.94	13/32	6.500	1.4375	.87	128 For	36	36	—	
724	8.30	3.22	.50	1/4-28	3.31	4.63	1.94	13/32	7.500	1.4375	.75	Key	41	47	—	
726	9.25	3.44	.62	5/16-24	3.31	4.63	2.50	13/32	8.000	1.9375	.78	Information	52	52	—	
730	10.38	4.19	.31	5/16-24	3.31	4.63	2.88	13/32	8.000	2.1875	1.12		76	80	—	
732	10.91	4.31	.94	5/16-24	3.31	4.63	2.88	9/16	10.000	2.1875	.93		95	107	51450	
738	11.84	4.81	.66	3/8-24	3.31	4.63	3.25	9/16	11.500	2.4375	1.11		147	150	51451	

* See Assemblies and Mounting Positions, Page 18. ** For Fan Kits, see Page 130. See Page 128 for available bore sizes. Input may be rotated clockwise or counterclockwise. The "SF" style is recommended for direct replacement only.

†† 42CZ Flange Dimensions: F700 J = 3.16 : QC700 J = 4.15 : RF700 J = 4.76

700 Series Single Reduction Flanged Reducer Dimensions

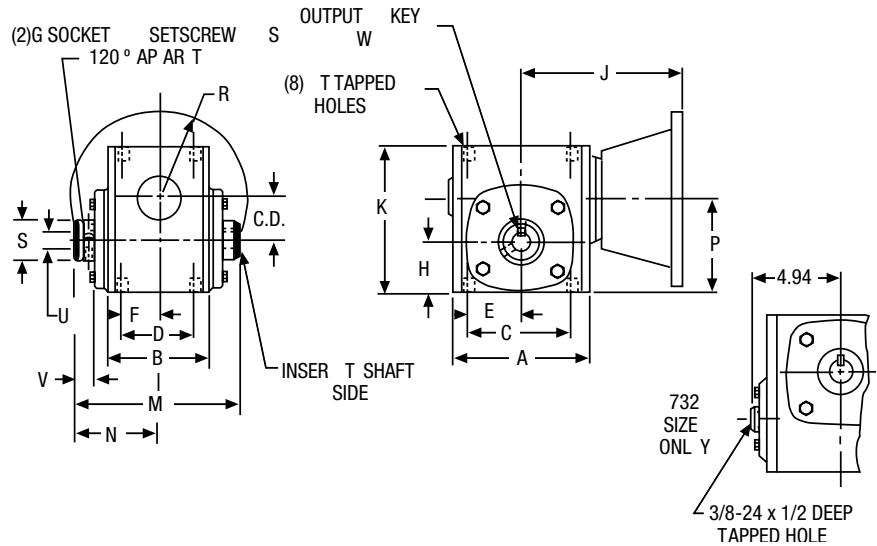
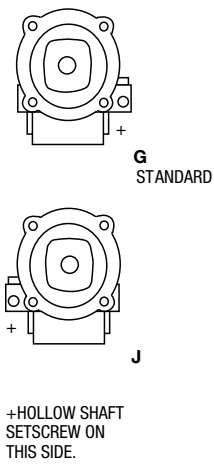
SF700 Series Flanged Quill Type

Basic Models (No Base), Hollow Output Shaft

FOR ORDERING INFORMATION, see Page 16

FOR ADDITIONAL SIZES, See the H Series Page 40
FOR RATING INFORMATION, See Pages 17, 22-33

ASSEMBLY TYPES*



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting		K	M	N
										SF700				
										56C 140TC	180TC 210C			
718	1.75	5.50	3.69	4.19	2.75	2.09	1.38	#10-32	2.06	4.69	—	5.75	5.69	3.09
721	2.06	6.00	3.81	5.00	2.88	2.50	1.44	1/4-28	2.28	5.06	—	6.38	5.88	3.22
726	2.62	7.38	4.44	6.38	3.38	3.19	1.69	1/4-28	2.94	5.75	6.19	8.00	6.47	3.50
732	3.25	9.00	5.88	7.50	4.00	3.75	2.00	3/8-24	3.50	6.56	7.00	9.38	8.06	4.38

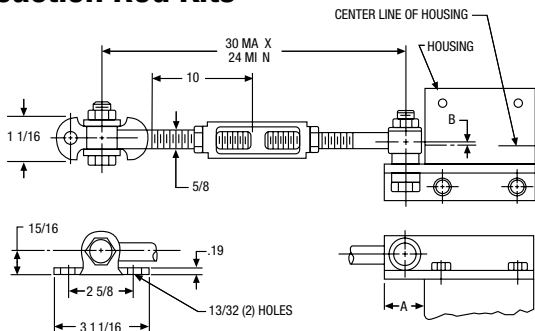
Size	P	R-NEMA Mounting		S	T		Low Speed Shaft			Approx. Weight (LBS.) SF	Fan Kit No.**	
		56C 140TC	180TC 210C		Tap Size	Depth	U †† +.0015 -.000	V	W-Key			
		Size	Length									
718	3.81	3.31	—	1.38	5/16-18	.50	1.000	.78	See Page	23	—	
721	4.34	3.31	—	1.50	3/8-16	.56	1.125	.88	128 For	27	—	
726	5.56	3.31	4.63	2.16	3/8-16	.56	1.4375	.84	Key Information	51	—	
732	6.75	3.31	4.63	2.56	7/16-14	.66	1.9375	1.00		90	51450	

** For Fan Kits, see Page 130.

†† For additional output bore diameters, refer to the H Series, Page 128.

* Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces. Input may be rotated clockwise or counterclockwise. See Assemblies and Mounting Positions, Page 18

Reaction Rod Kits



ALL DIMENSIONS IN INCHES

Size	A	B	Catalog Number	Kit No.
718	1.09	.09	X718-76K	69692
721	1.25	.03	X721-76K	69693
726	1.25	.22	X726-76K	69694
732	1.50	.53	X732-76K	69695

All hardware shown is included in the kits.

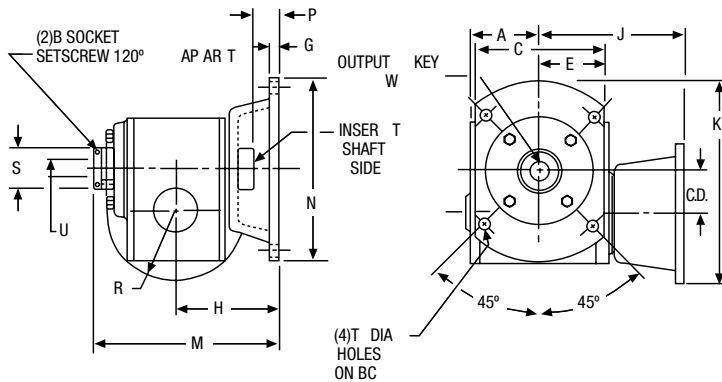
700 Series Single Reduction Flanged Reducer Dimensions

SF700 Series Flanged Quill Type V/W Position Mounting Flange, Hollow Output Shaft

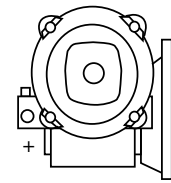
FOR ORDERING INFORMATION, see Page 16

FOR ADDITIONAL SIZES, See the H Series Page 41
FOR RATING INFORMATION, See Pages 17, 22-33

V Position



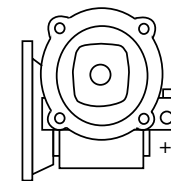
ASSEMBLY TYPES*



J
STANDARD

+HOLLOW SHAFT
SETSCREW ON
THIS SIDE.

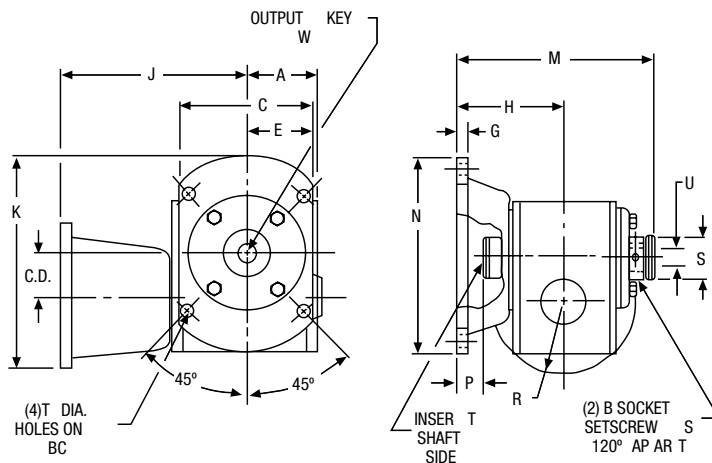
ASSEMBLY TYPES*



G
STANDARD

+HOLLOW SHAFT
SETSCREW ON
THIS SIDE.

W Position



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	BC	E	G	H	J-NEMA Mounting †		K
									SF700		
									56C 140TC	180TC 210C	
718	1.75	2.75	#10-32	4.88	5.88	2.44	.38	3.50	4.69	—	8.03
721	2.06	3.00	1/4-28	5.75	6.50	2.88	.38	3.75	5.06	—	8.66
726	2.62	3.69	1/4-28	7.75	8.00	3.88	.38	4.06	5.75	6.19	11.69
732	3.25	4.50	3/8-24	9.00	10.00	4.50	.50	5.25	6.56	7.00	13.38

Size	M	N	P	R-NEMA Mounting		S	T Holes	Low Speed Shaft		Approx. Weight (LBS.) SF	Fan Kit No.**	
				56C 140TC	180TC 210C			U +.0015 -.000	W-Key			
				Size	Length							
718	6.59	6.75	.91	3.31	—	1.38	11/32	1.000	See Page	28	—	
721	6.97	7.38	1.09	3.31	—	1.50	13/32	1.125	128 For	35	—	
726	7.56	8.88	1.09	3.31	4.63	2.16	13/32	1.4375	Key Information	69	—	
732	9.63	11.00	1.56	3.31	4.63	2.56	9/16	1.9375		119	51450	

** For Fan Kits, see Page 130.

* Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces.
Input may be rotated clockwise or counterclockwise. See Assemblies and Mounting Positions, Page 18.

† 42CZ Flange Dimensions: F700 J = 3.16 : QC700 J = 4.15 : RF700 J = 4.76

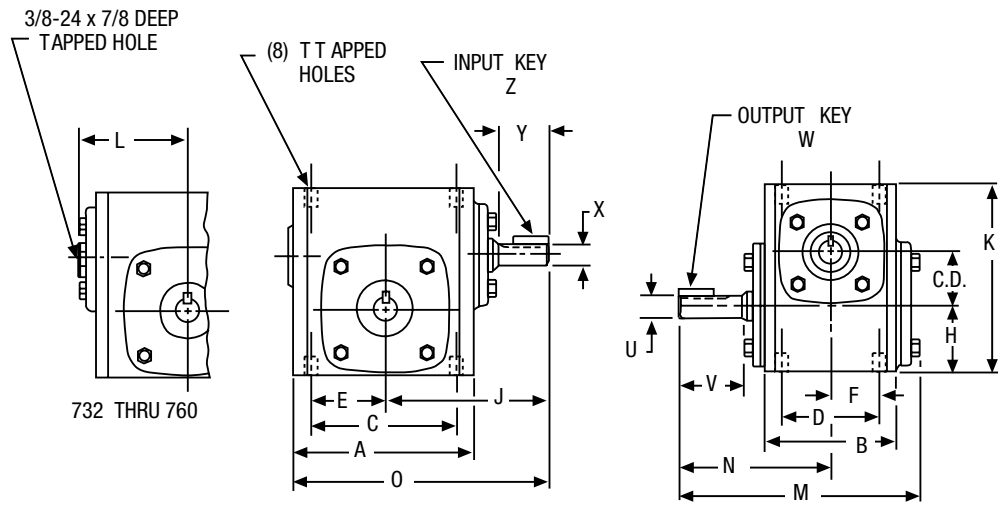
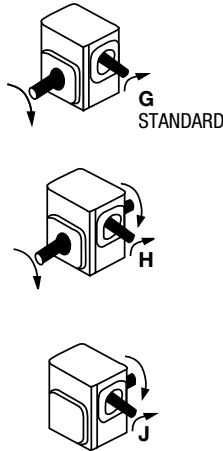
700 Series Single Reduction Non-Flanged Reducer Dimensions

700 Series Basic Models (No Base)

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33

ASSEMBLY TYPES*



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	H	J	K	L	M	N	O
710	1.00	3.25	2.50	2.63	1.69	1.31	.84	1.31	2.88	3.63	—	4.53	2.88	4.50
713	1.33	4.25	2.88	3.25	2.00	1.63	1.00	1.72	3.91	4.66	—	6.03	4.00	6.03
715	1.54	5.13	3.69	4.19	2.75	2.09	1.38	1.91	4.69	5.38	—	6.84	4.31	7.25
718	1.75	5.50	3.69	4.19	2.75	2.09	1.38	2.06	4.88	5.75	—	6.84	4.31	7.63
721	2.06	6.00	3.81	5.00	2.88	2.50	1.44	2.28	5.13	6.38	—	7.28	4.69	8.13
724	2.38	6.38	4.06	5.00	2.88	2.50	1.44	2.50	5.75	6.94	—	7.81	5.09	8.94
726	2.62	7.38	4.44	6.38	3.38	3.19	1.69	2.94	6.31	8.00	—	8.53	5.63	10.00
730	3.00	8.12	5.25	7.00	4.00	3.50	2.00	3.25	6.88	8.88	—	10.02	6.75	10.94
732	3.25	9.00	5.88	7.50	4.00	3.75	2.00	3.50	7.44	9.38	4.94	10.81	7.06	11.94
738	3.75	10.00	6.38	8.50	4.75	4.25	2.38	3.88	8.38	10.44	5.50	11.88	7.75	13.38
752	5.16	13.13	7.38	11.00	5.81	5.50	2.91	5.31	10.69	13.75	7.19	13.81	9.06	17.25
760	6.00	14.50	8.13	12.75	6.38	6.13	3.19	6.50	11.75	16.50	7.94	15.31	10.00	19.00

Size	T		Low Speed Shaft				High Speed Shaft				Approx. Weight (LBS.)	Fan Kit No.**
	Tap Size	Depth	U +.000 -.001	V	W-Key		X +.000 -.001	Y	Z-Key			
					Sq.	Length			Sq.	Length		
710	1/4-20	.44	.500	1.19	1/8	5/8	.3745	.81	3/32	3/8	6	—
713	5/16-18	.50	.625	2.00	3/16	1	.4995	1.31	1/8	5/8	11	—
715	5/16-18	.50	.750	1.78	3/16	1	.6245	1.56	3/16	13/16	18	—
718	5/16-18	.50	.875	1.78	3/16	1	.6245	1.56	3/16	13/16	20	—
721	3/8-16	.56	1.000	2.09	1/4	1-1/4	.6245	1.56	3/16	13/16	25	—
724	3/8-16	.56	1.125	2.37	1/4	1-1/4	.7495	2.00	3/16	1	31	—
726	3/8-16	.56	1.125	2.62	1/4	1-15/16	.7495	2.00	3/16	1	43	—
730	7/16-14	.88	1.250	3.25	1/4	2-1/4	.8745	2.24	3/16	1	57	—
732	7/16-14	.66	1.375	3.25	5/16	2-7/16	.8745	2.34	3/16	1	72	51450
738	1/2-13	.81	1.625	3.50	3/8	2-1/4	.9995	2.75	1/4	1-1/4	105	51451
752	5/8-11	1.00	2.000	4.16	1/2	2-15/16	1.2495	3.25	1/4	1-1/4	198	51452
760	5/8-11	1.00	2.250	4.56	1/2	3-3/8	1.4995	3.88	3/8	3	240	51453

* See Assemblies and Mounting Positions, Page 19.

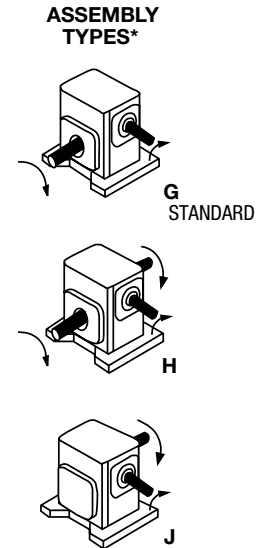
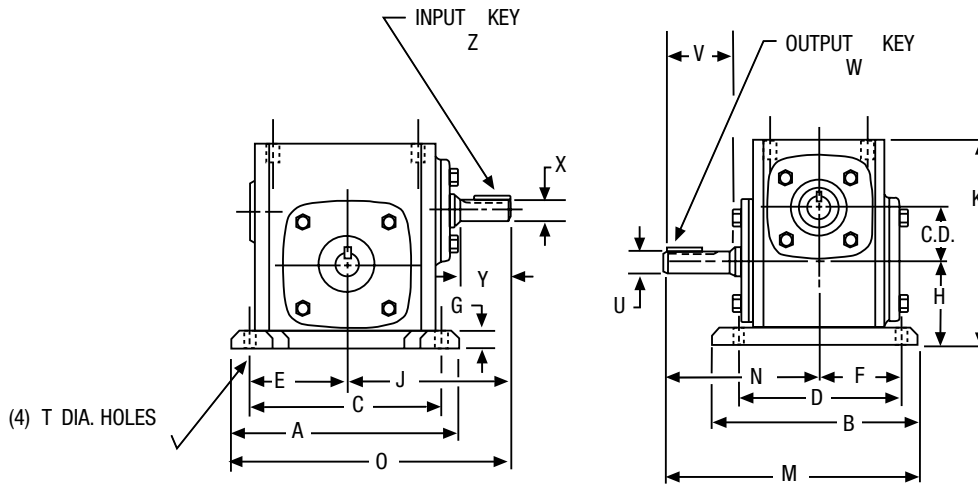
** For Fan Kits, see Page 130.

700 Series Single Reduction Non-Flanged Reducer Dimensions

700 Series B Position Horizontal Base

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J	K	M	N	O
710	1.00	4.63	3.69	3.75	2.88	1.88	1.44	0.44	1.75	2.88	4.06	4.72	2.88	5.19
713	1.33	5.38	4.19	4.38	3.31	2.19	1.66	0.53	2.25	3.91	5.19	6.09	4.00	6.59
715	1.54	6.44	5.44	5.25	4.31	2.63	2.16	0.59	2.50	4.69	5.97	7.03	4.31	7.91
718	1.75	7.00	5.69	5.75	4.50	2.88	2.25	0.69	2.75	4.88	6.44	7.16	4.31	8.38
721	2.06	7.75	5.94	6.38	4.69	3.19	2.34	0.72	3.00	5.13	7.09	7.66	4.69	9.00
724	2.38	8.50	6.19	7.06	4.88	3.53	2.44	0.75	3.25	5.75	7.69	8.19	5.09	10.00
726	2.62	9.63	6.66	8.00	5.25	4.00	2.63	0.75	3.69	6.31	8.75	8.97	5.63	11.13
730	3.00	10.00	7.50	8.44	5.88	4.22	2.94	0.75	4.00	6.81	9.63	10.50	6.75	11.88
732	3.25	11.19	7.66	9.50	6.13	4.75	3.06	0.88	4.38	7.44	10.25	10.94	7.06	13.03
738	3.75	12.13	8.66	10.38	7.00	5.19	3.50	0.94	4.81	8.38	11.38	12.09	7.75	14.44
752	5.16	16.38	10.63	14.13	8.38	7.06	4.19	1.13	6.44	10.69	14.88	14.38	9.06	18.88
760	6.00	19.00	12.00	16.50	9.50	8.25	4.75	1.25	7.75	11.75	17.75	16.00	10.00	21.25

Size	T	Low Speed Shaft				High Speed Shaft				Approx. Weight (LBS.)	Base Kit No. †	Fan Kit No.**
		U +.000 -.001	V	W-Key		X +.000 -.001	Y	Z-Key				
				Sq.	Length			Sq.	Length			
710	11/32	.500	1.19	1/8	5/8	.3745	.81	3/32	3/8	7	56575	—
713	11/32	.625	2.00	3/16	1	.4995	1.31	1/8	5/8	12	56577	—
715	13/32	.750	1.78	3/16	1	.6245	1.56	3/16	13/16	19	56438	—
718	13/32	.875	1.78	3/16	1	.6245	1.56	3/16	13/16	21	56585	—
721	15/32	1.000	2.09	1/4	1-1/4	.6245	1.56	3/16	13/16	26	56440	—
724	15/32	1.125	2.37	1/4	1-1/4	.7495	2.00	3/16	1	32	56591	—
726	17/32	1.125	2.62	1/4	1-15/16	.7495	2.00	3/16	1	46	56595	—
730	17/32	1.250	3.25	1/4	2-1/4	.8745	2.24	3/16	1	64	65544	—
732	17/32	1.375	3.25	5/16	2-7/16	.8745	2.31	3/16	1	81	56599	51450
738	19/32	1.625	3.50	3/8	2-1/4	.9995	2.75	1/4	1-1/4	115	56603	51451
752	25/32	2.000	4.16	1/2	2-15/16	1.2495	3.25	1/4	1-1/4	212	56607	51452
760	29/32	2.250	4.56	1/2	3-3/8	1.4995	3.88	3/8	3	260	56610	51453

* See Assemblies and Mounting Positions, Page 19.

** For Fan Kits, see Page 130.

† For Base Kits, see Page 129.

700 Series Single Reduction Non-Flanged Reducer Dimensions

700 Series

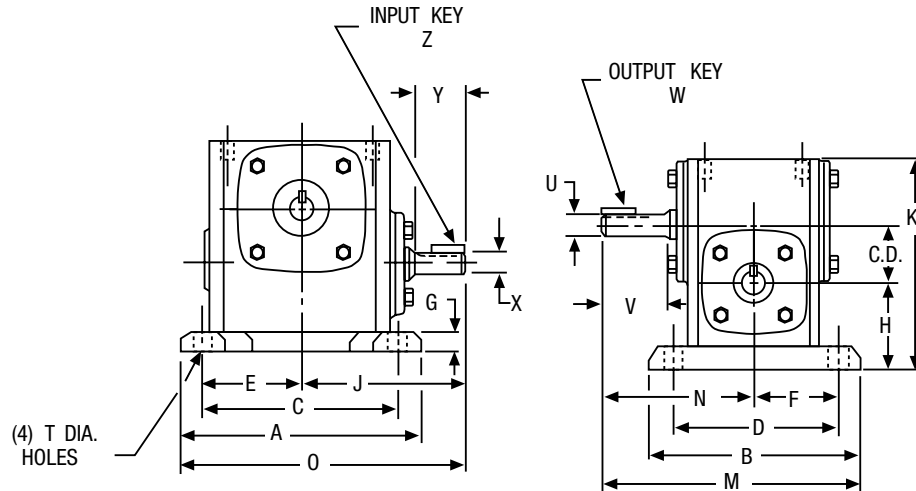
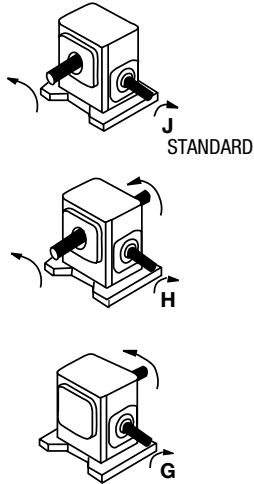
A Position Horizontal Base

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33

A

ASSEMBLY TYPES*



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J	K	M	N	O
710	1.00	4.63	3.69	3.75	2.88	1.88	1.44	.44	1.75	2.88	4.06	4.72	2.88	5.19
713	1.33	5.38	4.19	4.38	3.31	2.19	1.66	.53	2.13	3.91	5.19	6.09	4.00	6.59
715	1.54	6.44	5.44	5.25	4.31	2.63	2.16	.59	2.50	4.69	5.97	7.03	4.31	7.91
718	1.75	7.00	5.69	5.75	4.50	2.88	2.25	.69	2.63	4.88	6.44	7.16	4.31	8.38
721	2.06	7.75	5.94	6.38	4.69	3.19	2.34	.72	2.75	5.13	7.09	7.66	4.69	9.00
724	2.38	8.50	6.19	7.06	4.88	3.53	2.44	.75	2.81	5.75	7.69	8.19	5.09	10.00
726	2.62	9.63	6.66	8.00	5.25	4.00	2.63	.75	3.19	6.31	8.75	8.97	5.63	11.13
730	3.00	10.00	7.50	8.44	5.88	4.22	2.94	.75	3.38	6.81	9.63	10.50	6.75	11.88
732	3.25	11.19	7.66	9.50	6.13	4.75	3.06	.88	3.50	7.44	10.25	10.94	7.06	13.03
738	3.75	12.13	8.66	10.38	7.00	5.19	3.50	.94	3.75	8.38	11.38	12.09	7.75	14.44
752	5.16	16.38	10.63	14.13	8.38	7.06	4.19	1.13	4.38	10.69	14.88	14.38	9.06	18.88
760	6.00	19.00	12.00	16.50	9.50	8.25	4.75	1.25	5.25	11.75	17.75	16.00	10.00	21.25

Size	T	Low Speed Shaft				High Speed Shaft				Approx. Weight (LBS.)	Base Kit No. †	Fan Kit No.**
		U +.000 -.001	V	W-Key		X +.000 -.001	Y	Z-Key				
				Sq.	Length			Sq.	Length			
710	11/32	.500	1.19	1/8	5/8	.3745	.81	3/32	3/8	7	56575	—
713	11/32	.625	2.00	3/16	1	.4995	1.31	1/8	5/8	12	56577	—
715	13/32	.750	1.78	3/16	1	.6245	1.56	3/16	13/16	19	56438	—
718	13/32	.875	1.78	3/16	1	.6245	1.56	3/16	13/16	21	56585	—
721	15/32	1.000	2.09	1/4	1-1/4	.6245	1.56	3/16	13/16	26	56440	—
724	15/32	1.125	2.37	1/4	1-1/4	.7495	2.00	3/16	1	32	56591	—
726	17/32	1.125	2.62	1/4	1-15/16	.7495	2.00	3/16	1	46	56595	—
730	17/32	1.250	3.25	1/4	2-1/4	.8745	2.24	3/16	1	64	65544	—
732	17/32	1.375	3.25	5/16	2-7/16	.8745	2.31	3/16	1	81	56599	51450
738	19/32	1.625	3.50	3/8	2-1/4	.9995	2.75	1/4	1-1/4	115	56603	51451
752	25/32	2.000	4.16	1/2	2-15/16	1.2495	3.25	1/4	1-1/4	212	56607	51452
760	29/32	2.250	4.56	1/2	3-3/8	1.4995	3.88	3/8	3	260	56610	51453

* See Assemblies and Mounting Positions, Page 19.

** For Fan Kits, see Page 130.

† For Base Kits, see Page 129.

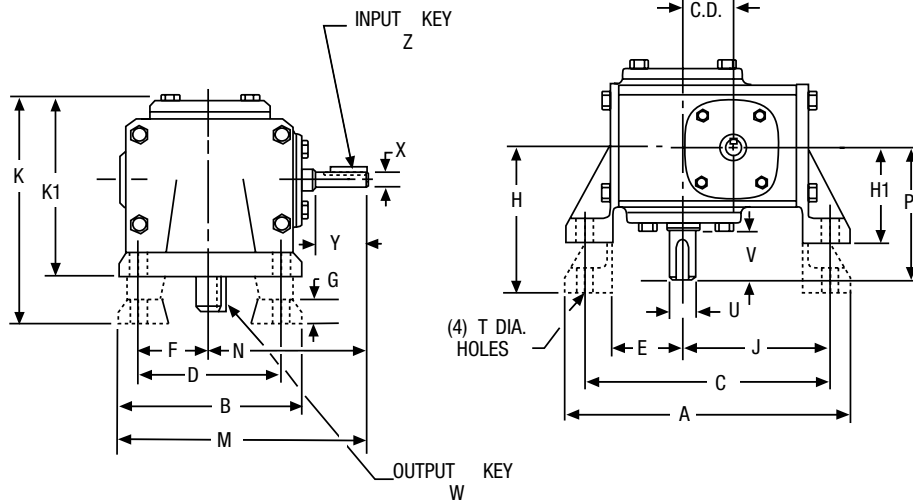
700 Series Single Reduction Non-Flanged Reducer Dimensions

700 Series

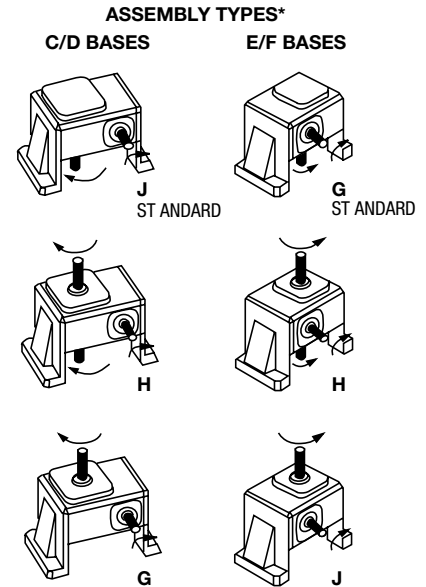
C/D Position Vertical Base; C/E High Base; D/F Low Base

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 17, 22-33



ALL DIMENSIONS IN INCHES



Size	C.D.	A	B	C	D	E	F	G	H	H1	J	K	K1	M	N	P
710	1.00	6.06	3.22	5.13	2.31	1.38	1.16	.44	2.94	—	3.06	4.59	—	4.50	2.88	2.88
713	1.33	7.09	4.13	6.16	3.25	1.78	1.63	.53	3.56	2.31	3.69	5.59	4.34	6.03	3.91	4.00
715	1.54	8.03	5.16	6.97	4.00	1.97	2.00	.69	4.38	3.00	4.25	6.88	5.50	7.28	4.69	4.31
718	1.75	8.44	5.16	7.38	4.00	2.13	2.00	.69	4.38	3.00	4.50	6.88	5.53	7.63	4.88	4.31
721	2.06	9.50	6.03	8.38	4.88	2.34	2.44	.72	4.88	3.13	5.09	7.50	5.75	8.16	5.13	4.69
724	2.38	10.06	6.31	8.94	4.88	2.56	2.44	.75	5.25	3.38	5.44	7.97	6.09	8.94	5.75	5.09
726	2.62	11.69	7.38	10.13	5.75	3.00	2.88	.88	5.59	3.63	6.13	8.50	6.53	10.00	6.31	5.63
730	3.00	12.52	8.00	11.13	6.00	3.34	3.00	.94	5.88	3.94	6.75	9.15	7.18	10.88	6.88	6.75
732	3.25	13.38	9.00	11.88	6.13	3.56	3.06	.88	6.25	4.69	7.13	10.00	8.44	11.94	7.44	7.06
738	3.75	15.69	10.00	13.94	8.00	4.00	4.00	.94	7.00	5.25	8.31	11.12	9.38	13.38	8.38	7.75
752	5.16	20.56	13.13	18.00	10.00	5.44	5.00	1.13	8.63	6.38	10.56	13.38	11.13	17.25	10.69	9.06
760	6.00	23.25	14.75	20.88	11.75	6.63	5.88	1.13	9.63	7.31	12.19	14.94	12.62	19.13	11.75	10.00

Size	T	Low Speed Shaft				High Speed Shaft				High Base		Low Base		Fan Kit No.**
		U +.000 -.001	V	W-Key		X +.000 -.001	Y	Z-Key		Approx. Weight (LBS.)	Base Kit No. †	Approx. Weight (LBS.)	Base Kit No. †	
				Sq.	Length			Sq.	Length					
710	11/32	.500	1.19	1/8	5/8	.3745	.81	3/32	3/8	7	56576	—	—	—
713	11/32	.625	2.00	3/16	1	.4995	1.31	1/8	5/8	13	56578	12	56579	—
715	13/32	.750	1.78	3/16	1	.6245	1.56	3/16	13/16	21	56582	20	56583	—
718	13/32	.875	1.78	3/16	1	.6245	1.56	3/16	13/16	23	56582	22	56583	—
721	15/32	1.000	2.09	1/4	1-1/4	.6245	1.56	3/16	13/16	28	56588	25	56589	—
724	15/32	1.125	2.38	1/4	1-1/4	.7495	2.00	3/16	1	37	56592	35	56593	—
726	17/32	1.125	2.63	1/4	1-15/16	.7495	2.00	3/16	1	51	56596	49	56597	—
730	17/32	1.250	3.25	1/4	2-1/4	.8745	2.24	3/16	1	67	65545	65	65546	—
732	17/32	1.375	3.25	5/16	2-7/16	.8745	2.31	3/16	1	83	56600	81	56601	51450
738	19/32	1.625	3.50	3/8	2-1/4	.9995	2.75	1/4	1-1/4	143	56604	133	56605	51451
752	25/32	2.000	4.16	1/2	2-15/16	1.2495	3.25	1/4	1-1/4	238	56608	226	56609	51452
760	29/32	2.250	4.56	1/2	3-3/8	1.4995	3.88	3/8	3	259	56611	275	56612	51453

* See Assemblies and Mounting Positions, Page 19.

** For Fan Kits, see Page 130.

† For Base Kits, see Page 129.

700 Series Single Reduction Non-Flanged Reducer Dimensions

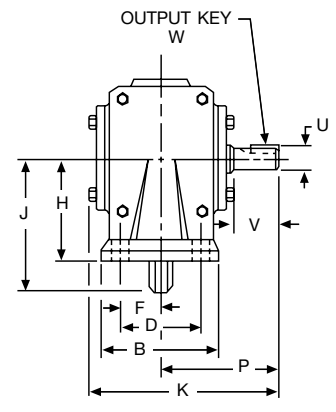
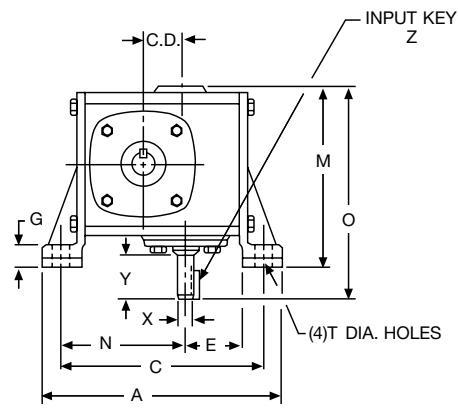
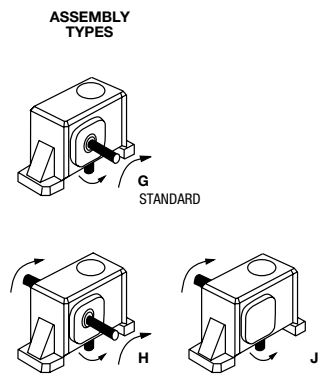
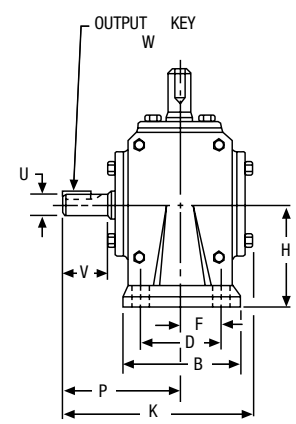
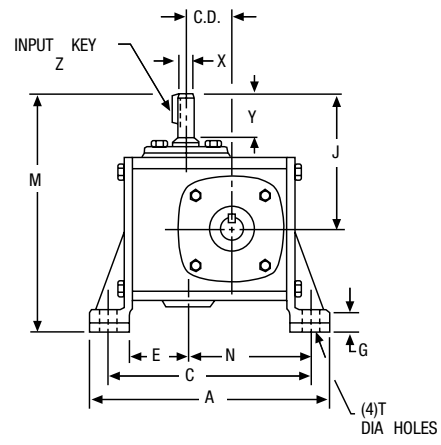
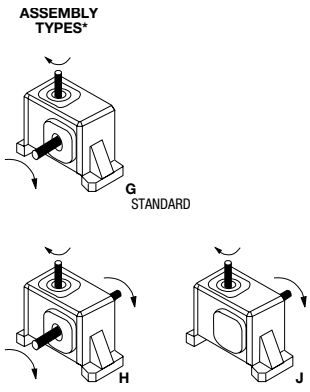
700 Series

X/Y Position Vertical Base; X = Input Vertical Up, Y = Input Vertical Down

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 15, 20-31

A



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J	K	M		N
												X Models	Y Models	
713	1.33	7.28	2.91	6.41	2.00	1.70	1.00	.53	2.94	3.91	6.03	6.84	5.06	3.92
715	1.54	8.25	3.72	7.25	2.50	2.00	1.25	.69	3.50	4.69	6.84	8.19	6.06	4.38
718	1.75	8.62	3.72	7.62	2.50	2.00	1.25	.69	3.50	4.87	6.81	8.37	6.25	4.75
721	2.06	9.75	3.84	8.62	2.62	2.09	1.31	.72	3.94	5.12	7.28	9.06	6.94	5.47
724	2.38	10.31	4.12	9.19	2.87	2.12	1.44	.75	4.06	5.75	7.81	9.81	7.25	6.00
726	2.62	11.88	4.53	10.37	3.12	2.50	1.56	.87	4.75	6.31	8.53	11.06	8.44	6.75

Size	O	P	T	Low Speed Shaft				High Speed Shaft				Approx. Weight (LBS.)	Base Kit No.†
				U +.000 -.001	V	W-Key		X +.000 -.001	Y	Z-Key			
						Sq.	Length			Sq.	Length		
713	6.03	4.00	11/32	.625	2.00	3/16	1	.4995	1.31	1/8	5/8	14	55196
715	7.25	4.31	13/32	.750	1.78	3/16	1	.6245	1.56	3/16	13/16	21	55349
718	7.63	4.31	13/32	.875	1.78	3/16	1	.6245	1.56	3/16	13/16	23	55349
721	8.13	4.69	15/32	1.000	2.09	1/4	1-1/4	.6245	1.56	3/16	13/16	28	55644
724	8.94	5.09	15/32	1.125	2.37	1/4	1-1/4	.7495	2.00	3/16	1	37	55768
726	10.00	5.62	17/32	1.125	2.62	1/4	1-15/16	.7495	2.00	3/16	1	51	55769

* See Assemblies and Mounting Positions, Page 19.
 † For Base Kits, see Page 129.

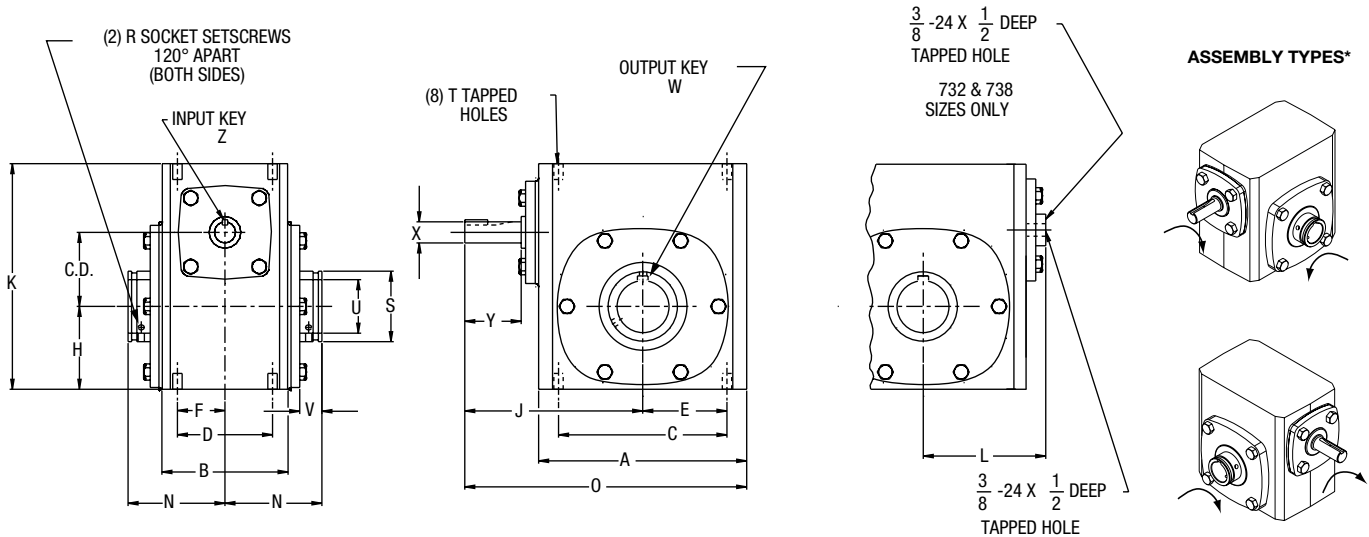
700 Series Single Reduction Non-Flanged Reducer Dimensions

H700 Series

Basic Models (No Base); Bored to Size, Hollow Output Shaft

FOR ORDERING INFORMATION, see Page 16

FOR RATING INFORMATION, See Pages 15, 20-31



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	H	J	K	L	N	O	R	S
713	1.33	4.25	2.88	3.25	2.00	1.63	1.00	1.72	3.91	4.66	—	2.50	6.03	#10-32	.88
715	1.54	5.13	3.69	4.19	2.75	2.09	1.38	1.91	4.69	5.38	—	3.03	7.25	#10-32	1.38
718	1.75	5.50	3.69	4.19	2.75	2.09	1.38	2.06	4.88	5.75	—	3.03	7.63	#10-32	1.38
721	2.06	6.00	3.81	5.00	2.88	2.50	1.44	2.28	5.13	6.38	—	3.22	8.13	1/4-28	1.94
724	2.38	6.38	4.06	5.00	2.88	2.50	1.44	2.50	5.75	6.94	—	3.22	8.94	1/4-28	1.94
726	2.62	7.38	4.44	6.38	3.38	3.19	1.69	2.94	6.31	8.00	—	3.44	10.00	5/16-24	2.50
730	3.00	8.12	5.25	7.00	4.00	3.50	2.00	3.25	6.88	8.88	—	4.19	10.94	5/16-24	2.88
732	3.25	9.00	5.88	7.50	4.00	3.75	2.00	3.50	7.44	9.38	4.94	4.31	11.94	5/16-24	2.88
738	3.75	10.00	6.38	8.50	4.75	4.25	2.38	3.88	8.38	10.44	5.50	4.81	13.38	5/16-24	3.25
752	5.16	13.13	7.38	11	5.81	5.5	2.91	5.31	10.69	13.75	7.19	6.12	17.25	3/1-24	4.25

Size	T		Low Speed Shaft				High Speed Shaft				Approx. Weight (LBS.)	Fan Kit No.**
	Tap Size	Depth	Max U +.0015 - .0000	V	W - Key		X +.000 - .001	Y	Z - Key			
					Sq.	Length			Sq.	Length		
713	5/16-18	.50	.625	.68			.4995	1.31	1/8	5/8	12	—
715	5/16-18	.50	1.000	.74			.6245	1.56	3/16	13/16	19	—
718	5/16-18	.50	1.000	.74			.6245	1.56	3/16	13/16	21	—
721	3/8-16	.56	1.4375	.87			.6245	1.56	3/16	13/16	26	—
724	3/8-16	.56	1.4375	.75			.7495	2.00	3/16	1	33	—
726	3/8-16	.56	1.9375	.78			.7495	2.00	3/16	1	45	—
730	7/16-14	.88	2.1875	1.10			.8745	2.24	3/16	1	60	—
732	7/16-14	.66	2.1875	.93			.8745	2.31	3/16	1	76	51450
738	1/2-13	.81	2.4375	1.11			.9995	2.75	1/4	1-1/4	110	51451
752	5/8-11	1	3.4375	1.37			1.2495	3.25	4-Jan	1-1/4	198	51452

* See Assemblies and Mounting Positions, Page 19.

** For Fan Kits, see Page 130.

See Page 128 for available bore sizes.

Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.

700 Series Single Reduction Non-Flanged Reducer Dimensions

H700 Series

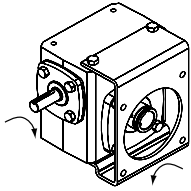
R/L Position Mounting Bracket; Hollow Output Shaft

FOR ORDERING INFORMATION, see Page 16

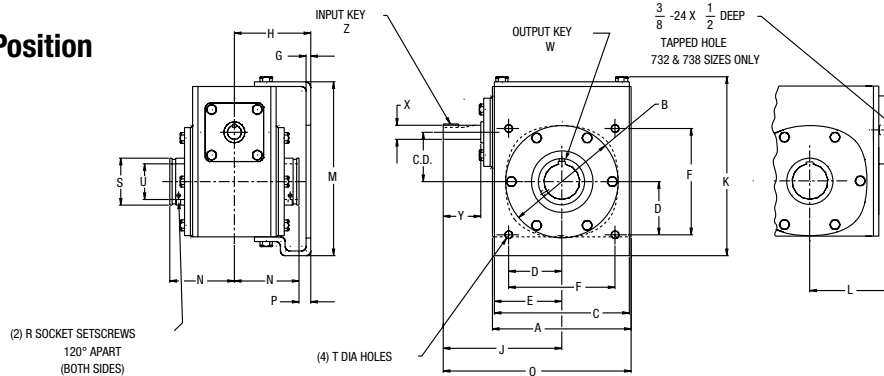
FOR RATING INFORMATION, See Pages 17, 22-33

A

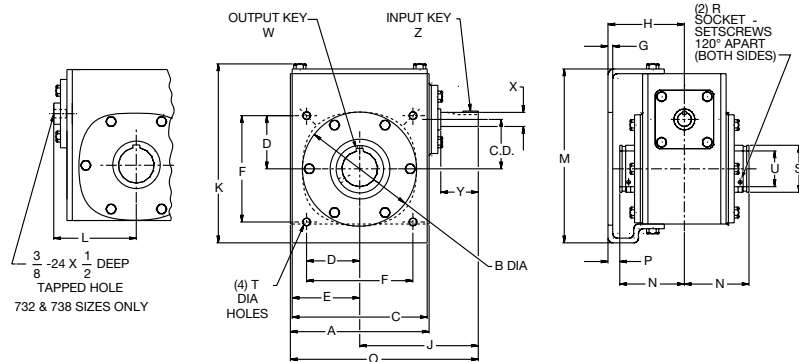
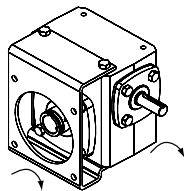
ASSEMBLY TYPES*



R Position



L Position



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
713	1.33	4.25	3.62	4.25	1.77	2.12	3.54	.19	3.00	3.91	5.72	—	5.55	2.50	6.03	.50
715	1.54	5.13	3.62	4.75	1.77	2.38	3.54	.19	3.56	4.69	6.40	—	6.16	3.03	7.25	.44
718	1.75	5.50	4.06	5.00	2.08	2.41	4.16	.19	3.50	4.88	6.89	—	6.66	3.03	7.63	.47
721	2.06	6.00	4.50	5.92	2.30	2.96	4.60	.25	3.75	5.13	7.74	—	7.47	3.22	8.13	.53
724	2.38	6.38	5.00	5.75	2.65	2.88	5.30	.25	3.72	5.75	8.57	—	8.30	3.22	8.94	.50
726	2.62	7.38	6.00	7.18	2.83	3.59	5.66	.25	4.06	6.31	9.52	—	9.25	3.44	10.00	.62
730	3.00	8.12	7.00	8.00	3.18	4.00	6.36	.25	4.50	6.88	10.75	—	10.38	4.19	10.94	.31
732	3.25	9.00	7.00	8.50	3.54	4.25	7.08	.25	5.25	7.44	11.22	4.94	10.91	4.31	11.94	.94
738	3.75	10.00	8.00	9.50	4.06	4.75	8.12	.25	5.47	8.38	12.21	5.50	11.84	4.81	13.38	.66

Size	R	S	T Holes	Low Speed Shaft		High Speed Shaft				Approx. Weight (LBS.)	Fan Kit No.**		
				Max U +.0015 -.0000	W-Key		X +.000 -.001	Y	Z-Key				
					Sq.	LENGTH			Sq.			Length	
713	#10-32	.88	11/32	.625				.4995	1.31	1/8	5/8	14	—
715	#10-32	1.38	11/32	1.000				.6245	1.56	3/16	13/16	22	—
718	#10-32	1.38	11/32	1.000				.6245	1.56	3/16	13/16	25	—
721	1/4-28	1.94	13/32	1.4375	See Page 128 For			.6245	1.56	3/16	13/16	29	—
724	1/4-28	1.94	13/32	1.4375	Key Information			.7495	2.00	3/16	1	40	—
726	5/16-24	2.50	13/32	1.9375	Key Information			.7495	2.00	3/16	1	54	—
730	5/16-24	2.88	13/32	2.1875	Key Information			.8745	2.24	3/16	1	67	—
732	5/16-24	2.88	9/16	2.1875	Key Information			.8745	2.31	3/16	1	89	51450
738	3/8-24	3.25	9/16	2.4375	Key Information			.9995	2.75	1/4	1-1/4	132	51451

* See Assemblies and Mounting Positions, Page 19.

** For Fan Kits, see Page 130. See Page 128 for available bore sizes.

Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.

700 Series Single Reduction Non-Flanged Reducer Dimensions

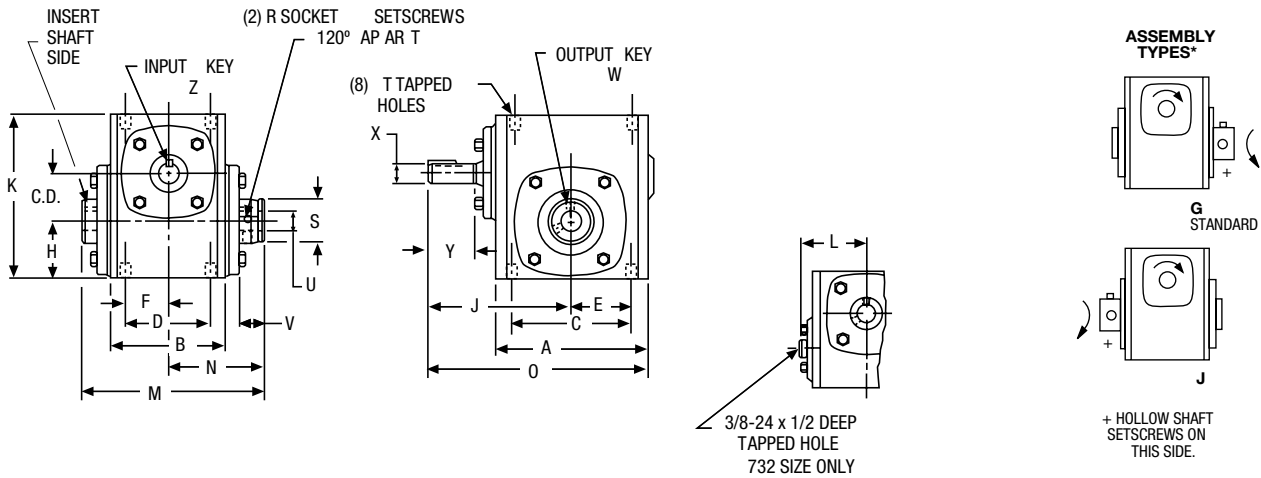
S700 Series

Basic Models (No Base); Hollow Output Shaft

FOR ADDITIONAL SIZES, See the H Series Page 49

FOR RATING INFORMATION, See Pages 17, 22-33

FOR ORDERING INFORMATION, see Page 16



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	H	J	K	M	N	O	R	S
718	1.75	5.50	3.69	4.19	2.75	2.09	1.38	2.06	4.88	5.75	5.69	3.09	7.63	#10-32	1.38
721	2.06	6.00	3.81	5.00	2.88	2.50	1.44	2.28	5.13	6.38	5.88	3.22	8.13	1/4-28	1.50
726	2.62	7.38	4.44	6.38	3.38	3.19	1.69	2.94	6.31	8.00	6.47	3.50	10.00	1/4-28	2.16
732	3.25	9.00	5.88	7.50	4.00	3.75	2.00	3.50	7.44	9.38	8.06	4.38	11.94	5/16-24	2.56

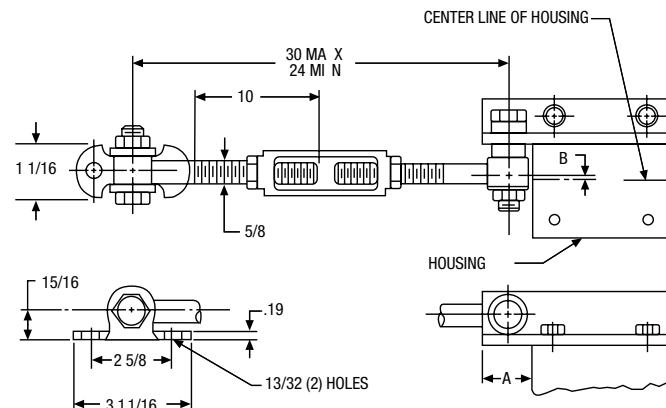
Size	T		Low Speed Shaft				High Speed Shaft				Approx. Weight (LBS.)	Fan Kit No.**
	Tap Size	Depth	U †† +.0015 -.001	V	W - Key		X +.000 -.001	Y	Z - Key			
					Sq.	Length			Sq.	Length		
718	5/16-18	.50	1.000	.78	See Page		.6245	1.56	3/16	13/16	19	—
721	3/8-16	.56	1.125	.88	128 For		.6245	1.56	3/16	13/16	23	—
726	3/8-16	.56	1.4375	.84	Key Information		.7495	2.00	3/16	1	40	—
732	7/16-14	.66	1.9375	1.00			.8745	2.31	3/16	1	72	51450

* See Assemblies and mounting Positions, Page 19. Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces, viewed from end of input shaft. Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.

** For Fan Kits, see Page 130.

†† For additional Output Bore Diameters, refer to the H Series, Page 128.

Reaction Rod Kits



ALL DIMENSIONS IN INCHES

Size	A	B	Catalog Number	Kit No.
S718	1.09	.09	X718-76K	69692
S721	1.25	.03	X721-76K	69693
S726	1.25	.22	X726-76K	69694
S732	1.50	.53	X732-76K	69695

All hardware shown is included in the kits.

700 Series Single Reduction Non-Flanged Reducer Dimensions

S700 Series

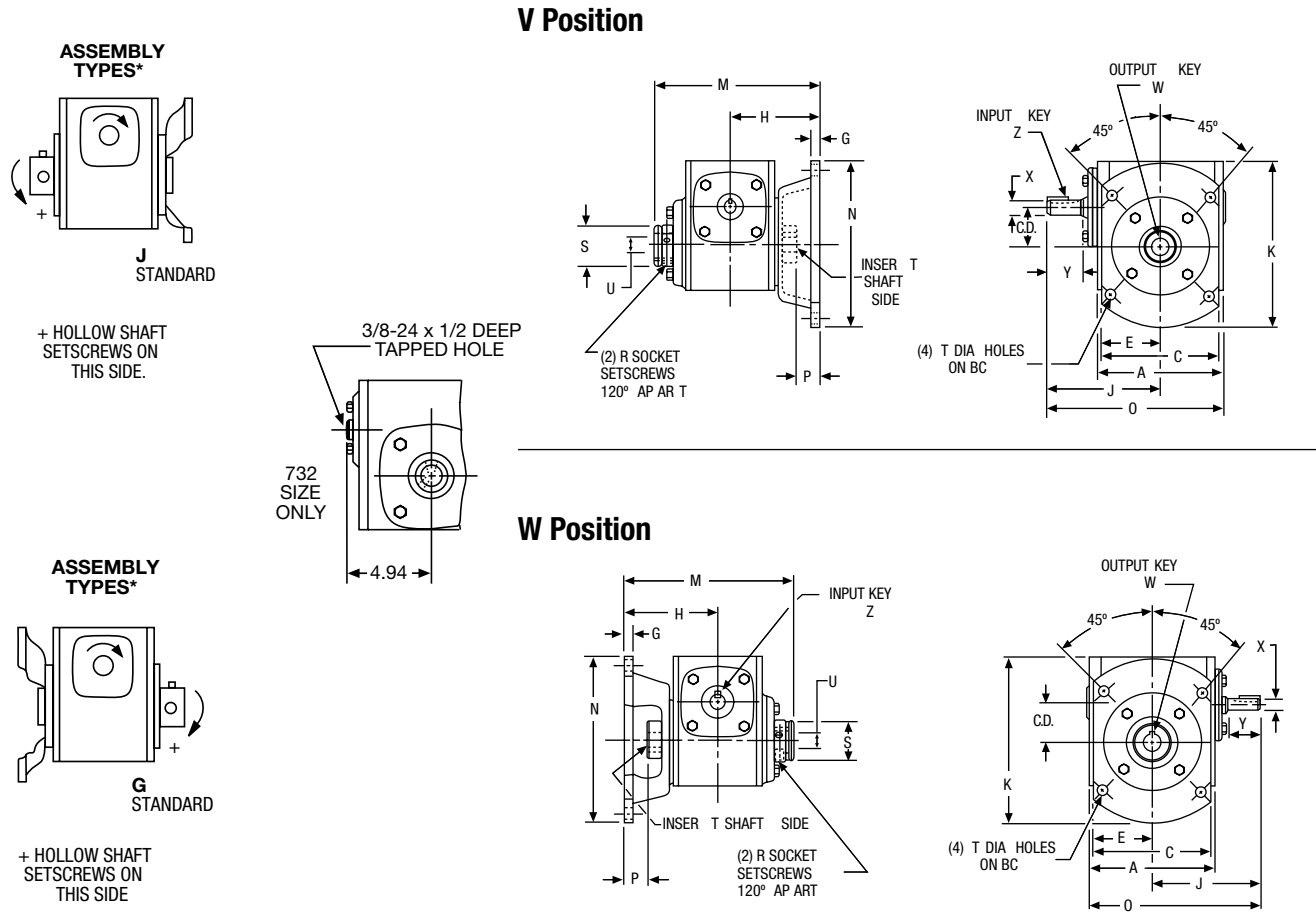
V/W Position Mounting Flange; Hollow Output Shaft

FOR ORDERING INFORMATION, see Page 16

FOR ADDITIONAL SIZES, See the H Series Page 49

FOR RATING INFORMATION, See Pages 17, 22-33

A



ALL DIMENSIONS IN INCHES

Size	C.D.	A	BC	C	E	G	H	J	K	M	N	O	P
718	1.75	5.50	5.88	4.88	2.44	.38	3.50	4.88	7.06	6.59	6.75	7.63	.91
721	2.06	6.00	6.50	5.75	2.88	.38	3.75	5.13	7.28	6.97	7.38	8.13	1.09
726	2.62	7.38	8.00	7.75	3.88	.38	4.06	6.31	9.50	7.56	8.88	10.19	1.09
732	3.25	9.00	10.00	9.00	4.50	.50	5.25	7.44	11.38	9.63	11.00	11.94	1.56

Size	R	S	T Holes	Low Speed Shaft		High Speed Shaft		Approx. Weight (LBS.)	Fan Kit No.**			
				U +.0015 -.0000	W-Key		X +.000 -.001			Y	Z-Key	
					Sq.	LENGTH					Sq.	Length
718	#10-32	1.38	11/32	1.000	See Page		.6245	1.56	3/16	13/16	24	—
721	1/4-28	1.50	13/32	1.125	128 For		.6245	1.56	3/16	13/16	28	—
726	1/4-28	2.16	13/32	1.4375	Key Information		.7495	2.00	3/16	1	51	—
732	5/16-24	2.56	9/16	1.9375			.8745	2.31	3/16	1	85	51450

* Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces, viewed from end of input shaft. Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation. See Assemblies and Mounting Positions, Page 19.

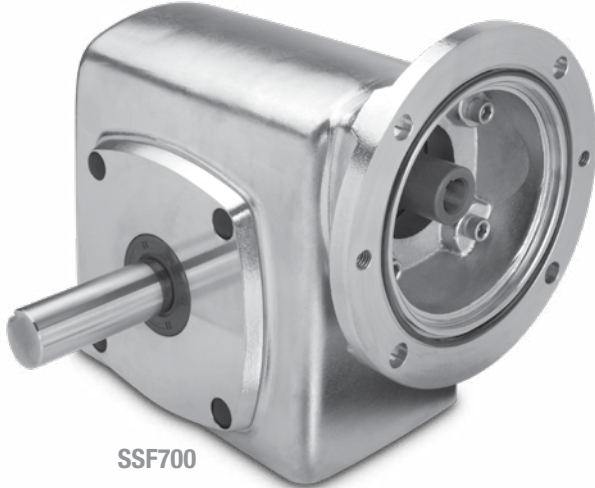
** For Fan Kits, see Page 130.

700 Series Stainless Steel Washdown Duty Reducers

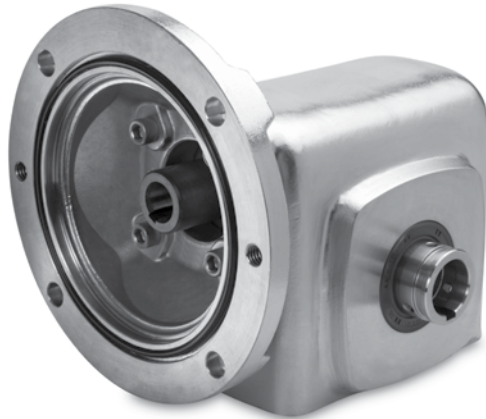
SSF700/SSQC/SSHF700 Series Basic Models (No Base)

FOR ORDERING INFORMATION, see Page 16
FOR RATING INFORMATION, See Pages 17, 22-33

A



SSF700



SSHF700



SSHQC700

APPLICATIONS:

- Washdown
- Food Processing
- Chemical Processing
- Pharmaceutical Industry

STANDARD FEATURES:

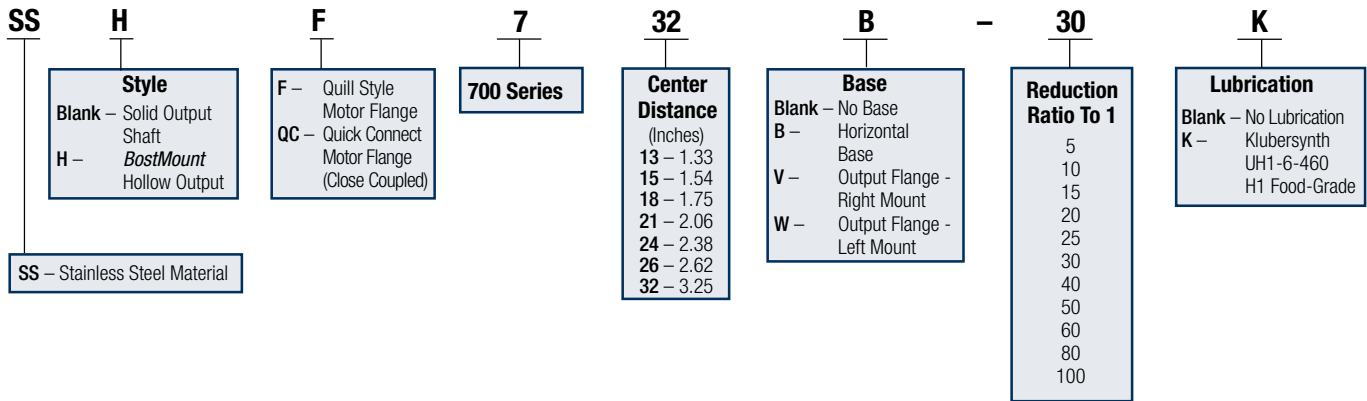
- The original Domed Crown™ Design
- NSF International certified
- Housings, bearing carriers, and flanges are made from 316 cast stainless steel to withstand hostile environments
- 303 stainless steel output shaft
- All stainless steel hardware
- Motor Flange "O" ring sealed
- Flange features two jack screw holes for easy motor removal
- Double lip shaft seals for superior performance in hostile environments
- This is a specially designed internal pressure equalization system which allows the gearbox to operate in all environments without the use of conventional pressure vents
- Lubricated for life with Klubersynth UH1 6-460 synthetic oil for wide temperature ranges, maximum efficiency and long maintenance-free operation
- Oil filled for all mounting positions
- Laser marked nameplate
- Optional high pressure/wash down seals available

SS700 Series Worm Gear Speed Reducers

Ordering Information

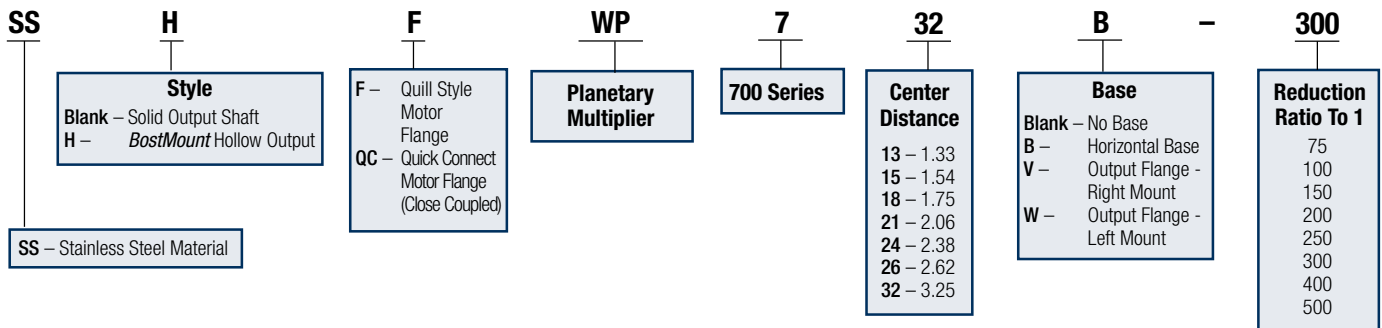
Single Reduction Worm Speed Reducer

Example: **SSHF732B-30KT-B7-HS1-P20-KUTFSS-3**



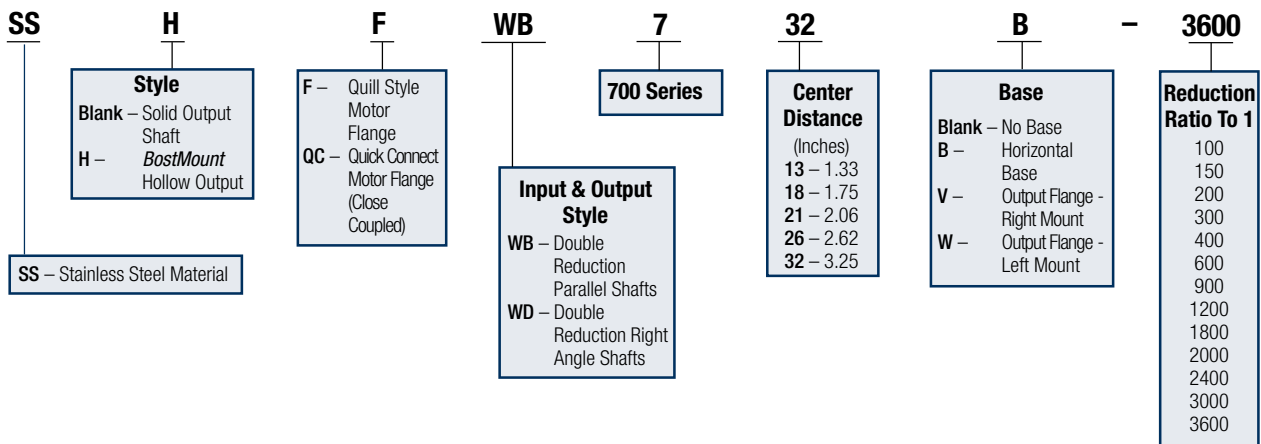
Double Reduction Worm - Planetary Speed Reducer

Example: **SSHFWP732B-300KT-B5-HS1-P20**



Double Reduction Worm - Worm Speed Reducer

Example: **SSHFWB732B-3600KT-B5-LS1-P20**



SS700 Series Worm Gear Speed Reducers

Ordering Information

A

T - **B7** - **HS** - **1** - **P20** - **KUTFSS** - **3**

Oil Seal

Blank – Standard Seal
T – Two Standard Input Seals
C – High pressure washdown output seals and double input seals

IP69K

Output Shaft

303 Stainless Steel (when facing input)

GS – Stainless Output Projection - Left
HS – Stainless Double Output Projection
JS – Stainless Output Projection - Right

Mounting Positions

1 – Standard Mounting (Worm Over)
2-6 – Refer to Mounting Positions on Page 56

BostMount Output Bore Code

Blank -Solid Output Shaft
 Specified in 1/16" increments.
 See Table 1 on Page 56
 Ex: 1-1/4" = P20

Motor C-Face Motor

Blank – No Motor
 See Table 2 on Page 56

Motor Conduit Box Orientation

(When looking at fan end of motor and gearbox is in mounting position #1)

0 – 12 O'clock
3 – 3 O'clock (standard for G & H shaft assemblies)
6 – 6 O'clock
9 – 9 O'clock (standard for J shaft assemblies)

NEMA Motor Mounting

BORE CODE	NEMA MOUNTING	INPUT BORE	KEYWAY SIZES
B5	56C	.625	3/16 x 3/32
B7	140TC/180C	.875	3/16 x 3/32
B9	180TC/210C	1.125	1/4 x 1/8

K - **T** - **B5** - **HS** - **1** - **P20** -

Lubrication

Blank – No Lubrication
K – Klubersynth UH1-6-460 H1 Food-Grade

Oil Seal

Blank – Standard Seal
T – Two Standard Input Seals
C – High pressure washdown output seals and double input seals

IP69K

Output Shaft

303 Stainless Steel (when facing input)

GS – Stainless Output Projection - Left
HS – Stainless Double Output Projection
JS – Stainless Output Projection - Right

Mounting Positions

1 – Standard Mounting (Worm Over)
2-6 – Refer to Mounting Positions on Page 56

BostMount Output Bore Code

Blank -Solid Output Shaft
 Specified in 1/16" increments.
 See Table 1 on Page 56
 Ex: 1-1/4" = P20

Motor C-Face Motor

Blank – No Motor
 See Table 2 on Page 56

Motor Conduit Box Orientation

(When looking at fan end of motor and gearbox is in mounting position #1)

0 – 12 O'clock
3 – 3 O'clock (standard for G & H shaft assemblies)
6 – 6 O'clock
9 – 9 O'clock (standard for J shaft assemblies)

NEMA Motor Mounting

BORE CODE	NEMA MOUNTING	INPUT BORE	KEYWAY SIZES
B5	56C	.625	3/16 x 3/32

K - **T** - **B5** - **LS** - **1** - **P20** -

Lubrication

Blank – No Lubrication Provided
K – Klubersynth UH1-6-460 H1 Food-Grade

Oil Seal

Blank – Standard Seal
T – Two Standard Input Seals
C – High pressure washdown output seals and double input seals

IP69K

Output Shaft

303 Stainless Steel (when facing input of base housing)

MS – Stainless Output Projection - Left
LS – Stainless Double Output Projection
KS – Stainless Output Projection - Right

Mounting Positions

1 – Standard Mounting (Worm Over)
2-6 – Refer to Mounting Positions on Page 56

BostMount Output Bore Code

Blank -Solid Output Shaft
 Specified in 1/16" increments.
 See Table 1 on Page 56
 Ex: 1-1/4" = P20

Motor C-Face Motor

Blank – No Motor
 See Table 2 on Page 56

Motor Conduit Box Orientation

(When looking at fan end of motor and gearbox is in mounting position #1)

0 – 12 O'clock
3 – 3 O'clock (standard for M & L shaft assemblies)
6 – 6 O'clock
9 – 9 O'clock (standard for K shaft assemblies)

NEMA Motor Mounting

BORE CODE	NEMA MOUNTING	INPUT BORE	KEYWAY SIZES
B5	56C	.625	3/16 x 3/32
B7	140TC/180C	.875	3/16 x 3/32

SS700 Series Worm Gear Speed Reducers

Ordering Information

Horizontal Base Kits for SS700 Series

(If ordered separately)

Size	Kit	
713	J00877	XSS713-11H-BK
715	J00878	XSS715-11H-BK
718	J00304	XSS718-11H-BK
721	J00305	XSS721-11H-BK
724	J00879	XSS724-11H-BK
726	J00306	XSS726-11H-BK
732	J00307	XSS732-11H-BK

Kit includes (2) feet, (4) attaching bolts and (4) hardware covers.

Table 1: Hollow Output Shaft Bore Codes

Fraction Size	Output Bore Code	713	715	718	721	724	726	732	Decimal Size*	Key Size†
5/8	P10	S							.6250	.187 x .125 x 1.00
3/4	P12	•	•	•	•	•			.7500	.187 x .156 x 1.00
7/8	P14	•	•	•	•	•			.8750	.187 x .156 x 1.00
15/16	P15	•	•	•	•	•	•		.9375	.25 x .218 x 1.37
1	P16	S	S	S	S	S	•		1.0000	.25 x .218 x 1.37
1-1/8	P18				•	•			1.1250	.25 x .218 x 1.37
1-3/16	P19				S	S	•		1.1875	.25 x .218 x 1.37
1-1/4	P20				S	S	S	•	1.2500	.25 x .218 x 1.37
1-7/16	P23				S	S	S	S	1.4375	.375 x .312 x 1.75
1-1/2	P24						S	S	1.5000	.375 x .312 x 1.75
1-15/16	P31						•	S	1.9375	.50 x .375 x 2.00
2	P32							•	2.0000	.50 x .375 x 2.00
2 3/16	P35							•	2.1875	.50 x .375 x 2.00

*Bore tolerance +.0015 / - .0000

S Standard Bore – Included in Express Program

• Optional Bore

† Rectangular key is provided with reducer to fit hollow shaft. Drive shaft requires standard width and depth keyway.

Note: For all other bore sizes, contact factory.

Replacement Hardware Covers

Size	Housing Oil Plugs	Bearing Carrier	Mounting Feet	Output Flange	Motor Flange B5/B7 (56C/140TC)	Motor Flange B9 (180TC)
713	J00195	N/A	N/A	J00195	J00195	J00195 & J00196
715	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
718	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
721	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
724	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
726	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
732	J00195	J00195	J00196	J00196	J00195	J00195 & J00196

J00195 has nominal O.D. of 0.605"

J00196 has nominal O.D. of 0.812"

Material: Stainless Steel disk (metal detectable) with over-molded rubber

Table 2: Stainless Steel AC Motors

Part #	HP	Type	Frame Size
FUT-SS	0.5	TENV	56C
GUT-SS	0.75	TENV	56C
HUT5/8-SS	1.0	TENV	56C
HUTF5/8-SS	1.0	TEFC	56C
HUT-SS	1.0	TENV	140TC
HUTF-SS	1.0	TEFC	140TC
JUTF-SS	1.5	TEFC	140TC
KUTF-SS	2.0	TEFC	140TC
LUTF-SS	3.0	TEFC	180TC
MUTF-SS	5.0	TEFC	180TC

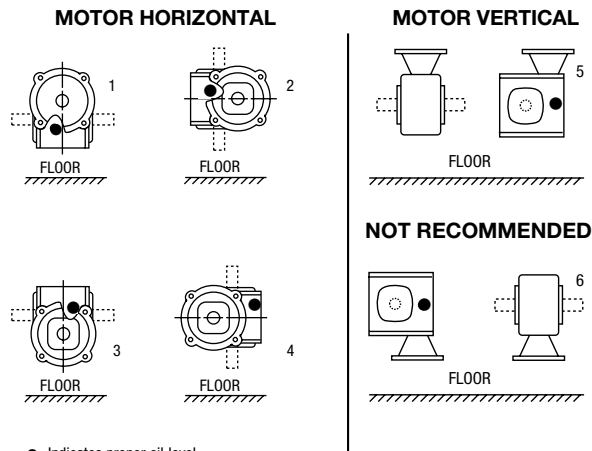
TENV = Totally enclosed, non-ventilated

TEFC = Totally enclosed, fan-cooled

Mounting Positions & Lubrication

Oil Levels For Typical Mounting Positions

(Examples shown for single-reduction models only)



NOTE: Double input seals are required for all positions except #1 and #5.

Enclosed Worm Gear Reducers Lubricant Available from Boston Gear

Ambient (Room) Temp.	Recommended Oil (or equivalent)	Viscosity Range SUS @ 100°F	ISO Viscosity Grade No.	Klubersynth UH1 6-460 Qt. Part No.
-20° to 225°F** (-29° to 107°C)	Klubersynth* UH1 6-460 Synthetic H1 Food Grade Oil	1950/2500	460	65159

* Synthetic recommendation is exclusively Klubersynth UH1 6-460, other lubricants will reduce performance ratings.

** The Klubersynth UH1 6-460 lubricant will perform at temperatures considerably higher than 225°F. However, the factory should always be consulted prior to operating at higher temperatures, as damage may occur to oil seals and other components.

Oil Capacity in Fluid Ounces

(SS700 Units Only)

Unit Size	Positions				
	1	2	3	4	5 & 6
713	3.2	3.2	4.8	3.2	3.2
715	11.2	13.6	17.6	13.6	13.6
718	14.4	17.6	20.8	17.6	17.6
721	17.6	20.8	22.4	20.8	20.8
724	21.0	22.5	25.5	22.5	22.5
726	37.0	37.0	41.5	37.0	37.0
732	81.5	85.0	93.0	85.0	85.0

Double reduction stainless gearboxes require the primary and secondary boxes to be filled independently to their respective mounting position.

SS700 Series Single Reduction

Ratios and Performance

Single Reduction



Series Size			713			715			718			721			724			726			732		
Ratio	Input RPM	Output RPM	Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output	
				HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)
5	1750	350	1.39	1.31	235	1.72	1.62	291	2.55	2.40	432	3.66	3.44	620	4.94	4.65	838	6.11	5.74	1034	10.05	9.54	1716
	1150	230	0.84	0.73	200	1.15	1.04	285	1.42	1.28	350	2.33	2.10	575	3.05	2.74	750	4.05	3.64	1000	8.43	7.91	2165
	690	138	0.50	0.45	205	0.80	0.72	330	0.97	0.87	400	1.64	1.47	670	2.25	2.01	920	3.04	2.74	1250	6.53	6.02	2749
	100	20	0.09	0.08	240	0.14	0.12	370	0.17	0.14	460	0.30	0.26	820	0.43	0.38	1200	0.58	0.51	1600	1.38	1.19	3735
10	1750	175	0.86	0.78	281	1.20	1.10	397	1.61	1.49	536	2.34	2.19	789	3.18	2.97	1069	3.94	3.74	1345	6.22	5.85	2106
	1150	115	0.51	0.44	243	0.73	0.64	350	0.98	0.87	480	1.49	1.32	725	2.09	1.87	1025	2.82	2.54	1390	4.41	3.92	2150
	690	69	0.33	0.29	266	0.47	0.42	384	0.66	0.58	534	1.00	0.89	814	1.46	1.31	1200	1.97	1.75	1600	3.17	2.85	2600
	100	10	0.06	0.05	296	0.09	0.07	432	0.12	0.10	610	0.19	0.15	968	0.27	0.23	1430	0.37	0.31	1960	0.62	0.52	3300
15	1750	116.7	0.66	0.58	305	0.91	0.79	428	1.13	1.02	552	1.72	1.56	840	2.34	2.15	1159	2.95	2.71	1465	4.65	4.34	2344
	1150	76.7	0.37	0.32	262	0.53	0.46	376	0.67	0.57	472	1.06	0.91	752	1.51	1.29	1060	2.01	1.73	1425	3.15	2.74	2250
	690	46	0.26	0.21	288	0.36	0.30	415	0.46	0.39	534	0.72	0.61	832	1.05	0.90	1239	1.41	1.22	1675	2.35	2.04	2800
	100	6.7	0.05	0.03	322	0.07	0.05	468	0.09	0.06	597	0.13	0.10	968	0.19	0.15	1463	0.28	0.22	2057	0.48	0.39	3700
20	1750	87.5	0.52	0.43	308	0.72	0.60	435	0.97	0.82	590	1.40	1.24	892	1.95	1.71	1233	2.34	2.06	1483	3.71	3.35	2413
	1150	57.5	0.29	0.24	265	0.43	0.35	380	0.58	0.48	525	0.86	0.72	782	1.27	1.06	1160	1.63	1.36	1500	2.77	2.37	2600
	690	34.5	0.19	0.16	286	0.28	0.23	420	0.38	0.32	580	0.57	0.48	875	0.83	0.70	1280	1.11	0.94	1725	1.99	1.70	3100
	100	5	0.04	0.03	330	0.06	0.04	485	0.08	0.06	690	0.11	0.08	1018	0.17	0.12	1550	0.20	0.16	2050	0.41	0.30	3846
25	1750	70	0.43	0.34	307	0.60	0.49	437	0.76	0.64	574	1.16	0.97	875	1.55	1.33	1199	1.94	1.68	1514	3.08	2.71	2443
	1150	46	0.24	0.19	260	0.35	0.27	375	0.48	0.36	500	0.72	0.58	790	1.03	0.84	1150	1.31	1.11	1525	2.29	1.90	2600
	690	27.6	0.15	0.12	280	0.22	0.18	410	0.30	0.24	540	0.47	0.38	875	0.69	0.56	1280	0.93	0.77	1750	1.51	1.27	2900
	100	4	0.03	0.02	310	0.04	0.03	451	0.06	0.04	660	0.10	0.07	975	0.14	0.10	1500	0.18	0.13	2075	0.31	0.22	3500
30	1750	58.3	0.39	0.29	311	0.54	0.41	446	0.65	0.53	573	0.99	0.81	871	1.33	1.11	1200	1.68	1.41	1521	2.64	2.27	2456
	1150	38.3	0.21	0.16	270	0.31	0.23	388	0.40	0.32	530	0.62	0.48	795	0.89	0.70	1170	1.20	0.96	1575	2.80	2.23	2675
	690	23	0.14	0.11	300	0.20	0.17	460	0.29	0.22	600	0.41	0.32	880	0.60	0.47	1300	0.81	0.65	1790	1.41	1.16	3200
	100	3.3	0.03	0.02	340	0.04	0.03	496	0.06	0.04	710	0.09	0.06	1050	0.12	0.08	1500	0.16	0.11	2100	0.30	0.21	4000
40	1750	43.8	0.31	0.21	307	0.43	0.31	441	0.57	0.42	609	0.81	0.61	876	1.08	0.84	1206	1.33	1.05	1512	2.10	1.70	2444
	1150	28.8	0.18	0.12	265	0.24	0.17	380	0.33	0.24	525	0.49	0.36	785	0.70	0.53	1160	0.89	0.68	1500	1.52	1.19	2600
	690	17.3	0.10	0.08	286	0.15	0.11	420	0.22	0.16	580	0.33	0.24	875	0.46	0.35	1280	0.61	0.47	1725	1.08	0.85	3100
	100	2.5	0.03	0.01	330	0.04	0.02	485	0.05	0.03	690	0.07	0.04	1018	0.11	0.06	1550	0.14	0.08	2050	0.25	0.15	3846
50	1750	35	0.25	0.17	297	0.35	0.24	429	0.44	0.32	573	0.66	0.48	857	0.87	0.65	1177	1.08	0.82	1484	1.70	1.33	2403
	1150	23	0.12	0.09	248	0.18	0.13	360	0.24	0.17	470	0.38	0.27	750	0.56	0.40	1100	0.75	0.54	1482	1.21	0.89	2450
	690	13.8	0.08	0.06	265	0.12	0.09	390	0.17	0.12	520	0.26	0.18	840	0.37	0.26	1225	0.51	0.37	1675	0.87	0.61	2800
	100	2	0.02	0.01	300	0.03	0.01	440	0.04	0.02	590	0.06	0.03	970	0.08	0.05	1425	0.11	0.06	1975	0.19	0.10	3325
60	1750	29.2	0.22	0.13	271	0.28	0.18	399	0.35	0.24	527	0.55	0.38	826	0.73	0.52	1128	0.89	0.64	1385	1.40	1.06	2281
	1150	19.2	0.17	0.09	201	0.16	0.10	312	0.21	0.13	440	0.34	0.22	730	0.49	0.32	1040	0.64	0.42	1390	1.05	0.70	2300
	690	11.5	0.10	0.05	253	0.11	0.06	338	0.14	0.08	480	0.23	0.15	805	0.33	0.21	1154	0.44	0.29	1570	0.71	0.48	2650
	100	1.7	0.02	0.01	285	0.022	0.01	371	0.03	0.01	530	0.06	0.03	930	0.07	0.04	1330	0.10	0.05	1840	0.16	0.08	3100
80	1750	21.9	0.15	0.08	222	0.21	0.11	318	0.23	0.13	375	0.38	0.22	634	-	-	-	0.76	0.38	1100	0.95	0.62	1795
	1150	14.4	0.12	0.06	246	0.17	0.08	358	0.16	0.09	390	0.31	0.17	734	-	-	-	0.47	0.29	1252	0.81	0.50	2171
	690	8.6	0.09	0.04	266	0.12	0.05	392	0.10	0.05	350	0.23	0.11	819	-	-	-	0.35	0.18	1340	0.61	0.34	2512
	100	1.3	0.02	0.01	293	0.03	0.01	440	0.02	0.01	470	0.05	0.02	942	-	-	-	0.07	0.03	1600	0.14	0.06	3030
100	1750	17.5	0.08	0.04	138	0.15	0.07	251	0.17	0.09	323	0.27	0.14	503	-	-	-	0.39	0.21	757	0.65	0.39	1414
	1150	11.5	0.07	0.028	152	0.12	0.05	283	0.14	0.07	360	0.22	0.11	580	-	-	-	0.34	0.17	913	0.56	0.31	1711
	690	6.9	0.05	0.02	164	0.09	0.03	309	0.10	0.04	391	0.16	0.07	646	-	-	-	0.26	0.12	1054	0.43	0.22	1980
	100	1	0.01	0.00	180	0.02	0.01	347	0.02	0.01	435	0.04	0.01	744	-	-	-	0.06	0.02	1267	0.10	0.04	2387
Overhung Load*			200 lbs			300 lbs			500 lbs			700 lbs.			900 lbs			1000 lbs			1300 lbs		
Output Shaft Thrust Load			300 lbs			400 lbs			500 lbs			700 lbs			800 lbs			900 lbs			1100 lbs		

Ratings shown reflect maximum gear capacity based on AGMA standards (Service Factor = 1.0) with Klubersynth UH1 6-460.

*Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM, do NOT exceed maximum listed input horsepower.

SS700 Series Double Reduction

Ratios and Performance

Worm-Planetary Double Reduction (WP)

Series Size			SS_WP713			SS_WP715			SS_WP718			SS_WP721			SS_WP724			SS_WP726			SS_WP732		
Ratio	Input RPM	Output RPM	Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output	
				HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)
75	1750	23.3	0.15	0.11	293	0.24	0.16	446	0.27	0.21	570	0.44	0.34	910	0.66	0.51	1367	0.75	0.57	1542	0.75	0.57	1542
100	1750	17.5	0.13	0.09	311	0.19	0.13	457	0.25	0.18	643	0.38	0.27	957	0.56	0.40	1435	0.74	0.53	1912	0.75	0.54	2072
150	1750	11.7	0.10	0.06	300	0.16	0.09	509	0.18	0.12	663	0.26	0.18	978	0.40	0.26	1415	0.53	0.36	1969	0.75	0.51	2747
200	1750	8.8	0.08	0.04	309	0.13	0.07	520	0.14	0.09	643	0.20	0.13	957	0.35	0.20	1435	0.42	0.27	1912	0.75	0.49	3509
250	1750	7	0.07	0.03	312	0.11	0.06	505	0.10	0.06	560	0.16	0.10	915	0.27	0.15	1340	0.33	0.21	1848	0.54	0.34	3103
300	1750	5.8	0.06	0.03	273	0.09	0.04	477	0.09	0.05	510	0.15	0.08	877	0.24	0.12	1255	0.30	0.16	1726	0.50	0.27	2909
400	1750	4.4	0.05	0.02	251	0.08	0.03	419	0.07	0.03	413	0.13	0.06	890	-	-	-	0.22	0.10	1490	0.44	0.20	2811
500	1750	3.5	0.03	0.01	197	0.05	0.02	330	0.05	0.02	416	0.09	0.04	702	-	-	-	0.16	0.07	1177	0.28	0.12	2215
Overhung Load*			200 lbs			300 lbs			500 lbs			700 lbs			900 lbs			1000 lbs			1300 lbs		
Output Shaft Thrust Load			300 lbs			400 lbs			500 lbs			700 lbs			800 lbs			900 lbs			1100 lbs		

Stand-Alone Planetary			SSFSP5 and SSFSP5A		
Ratio	Input RPM	Output RPM	Input HP	Output	
				HP	Torque (in-lbs)
5	1750	350	0.75	0.69	124

Ratings shown reflect maximum gear capacity based on AGMA standards (Service Factor = 1.0) with Klubersynth UH1 6-460. Worm-Planetary and Stand-Alone Planetary gearing is not recommended for use in applications with repetitive vibrational or impact loading. *Overhung Load is at centerline of output shaft projection and with NO THRUST Load. Note: For input speeds above 1750 RPM, do NOT exceed maximum listed input horsepower.

Worm-Worm Double Reduction (WB & WD)

Series Size			SS_WB/WD713			SS_WB/WD718			SS_WB/WD721			SS_WB/WD726			SS_WB/WD732		
Ratio	Input RPM	Output RPM	Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output	
				HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)
100	1750	17.5	0.16	0.08	275	0.23	0.16	570	0.41	0.25	910	0.75	0.50	1785	1.33	0.96	3450
150	1750	11.7	0.13	0.05	280	0.23	0.11	580	0.30	0.17	940	0.56	0.34	1840	1.00	0.67	3600
200	1750	8.8	0.12	0.05	320	0.19	0.09	660	0.25	0.14	990	0.47	0.26	1875	0.81	0.53	3800
300	1750	5.8	0.10	0.03	335	0.16	0.06	690	0.20	0.09	1025	0.37	0.18	1950	0.61	0.36	3950
400	1750	4.4	0.09	0.02	330	0.12	0.05	690	0.17	0.02	1025	0.31	0.14	1950	0.48	0.27	3900
600	1750	2.9	0.08	0.02	340	0.10	0.03	710	0.13	0.05	1025	0.25	0.09	2000	0.36	0.18	4025
900	1750	1.9	0.07	0.01	340	0.08	0.02	710	0.11	0.03	1050	0.21	0.06	2000	0.28	0.12	4025
1200	1750	1.5	0.07	0.01	330	0.07	0.02	690	0.10	0.02	1025	0.19	0.05	1950	0.23	0.09	3900
1800	1750	1	-	-	-	-	-	-	0.08	0.01	900	0.16	0.03	1775	0.19	0.06	3750
2000	1750	0.9	-	-	-	0.052	0.008	590	-	-	-	0.16	0.03	1940	0.22	0.05	3880
2400	1750	0.7	-	-	-	-	-	-	0.05	0.01	900	0.15	0.02	1864	0.17	0.04	3143
3000	1750	0.6	-	-	-	-	-	-	-	-	-	0.14	0.02	1800	0.15	0.04	3750
3600	1750	0.5	-	-	-	-	-	-	-	-	-	0.13	0.01	1865	0.14	0.02	3154
Overhung Load*			200 lbs.			500 lbs.			700 lbs.			1000 lbs.			1300 lbs.		
Output Shaft Thrust Load			300 lbs.			500 lbs.			700 lbs.			900 lbs.			1100 lbs.		

Ratings shown reflect maximum gear capacity based on AGMA standards (Service Factor = 1.0) with Klubersynth UH1 6-460. *Overhung Load is at centerline of output shaft projection and with NO THRUST Load. Note: For input speeds above 1750 RPM, do NOT exceed maximum listed input horsepower.

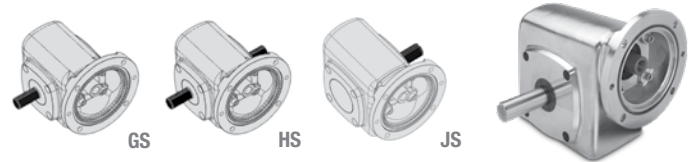
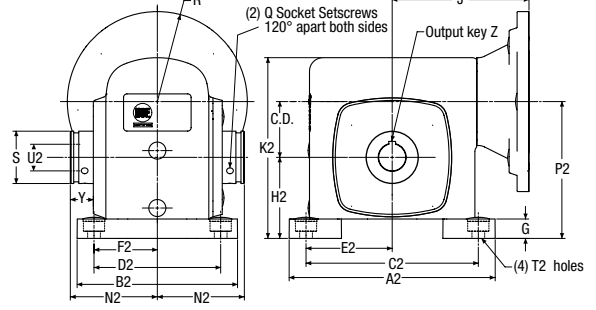
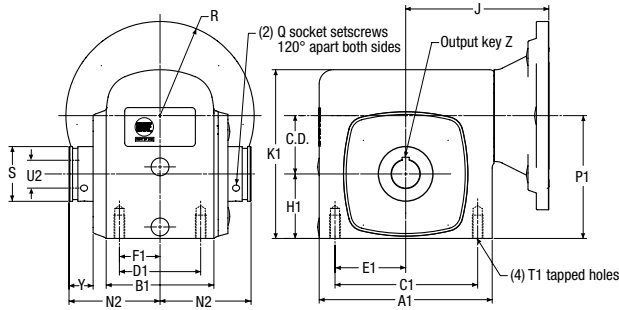
SS700 Series Single Reduction, With and Without Base

Dimensions



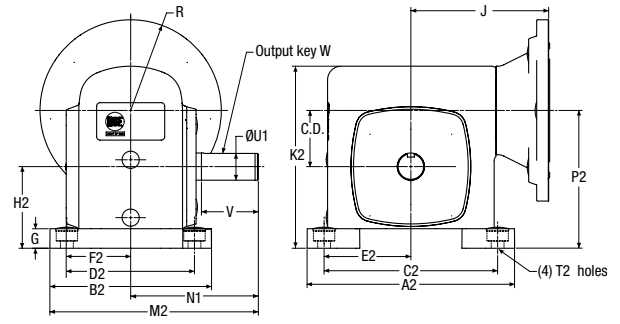
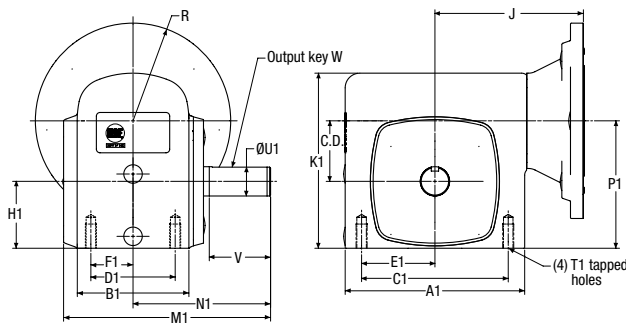
SSHF700 & SSHQC700 Hollow Shaft without Base

SSHF700 & SSHQC700 Hollow Shaft with Base



SSF700 & SSQC700 GS Solid Shaft without Base

SSF700 & SSQC700 GS Solid Shaft with Base



Size	C.D.	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2
713	1.33	4.35	5.25	2.87	4.19	3.25	4.38	2.00	3.31	1.63	2.19	1.00	1.66
715	1.54	5.26	6.46	3.69	5.5	4.19	5.25	2.75	4.31	2.09	2.63	1.38	2.16
718	1.75	5.63	7.00	3.69	5.75	4.19	5.75	2.75	4.50	2.09	2.88	1.38	2.25
721	2.06	6.12	7.62	3.81	5.94	5.00	6.38	2.88	4.69	2.50	3.19	1.44	2.34
724	2.38	6.52	8.37	4.06	6.18	5.00	7.06	2.88	4.88	2.5	3.53	1.44	2.44
726	2.62	7.58	9.25	4.44	6.50	6.38	8.00	3.38	5.25	3.19	4.00	1.69	2.63
732	3.25	9.20	11.00	5.88	7.62	7.50	9.50	4.00	6.13	3.75	4.75	2.00	3.06

Size	G	H1	H2	J				K1	K2	M1	M2	N1	N2	P1	P2	Q
				F700		QC700 <small>NEW</small>										
				56C/140TC	180TC	56C/140TC	180TC									
713	0.53	1.72	2.25	3.94	-	5.46	-	4.27	4.8	5.88	6.10	4.00	2.50	3.06	3.59	#10-32
715	0.59	1.91	2.5	4.50	-	6.11	-	5.48	6.08	6.71	7.06	4.31	3.03	3.44	4.06	#10-32
718	0.69	2.06	2.75	4.69	-	6.29	-	5.31	6.00	6.74	7.19	4.31	3.03	3.81	4.50	#10-32
721	0.72	2.28	3.00	5.06	-	6.76	-	5.97	6.69	7.09	7.66	4.69	3.22	4.34	5.06	1/4-28
724	0.75	2.5	3.25	5.25	5.69	6.95	7.81	7.04	7.79	7.61	8.18	5.09	3.22	4.88	5.63	1/4-28
726	0.75	2.94	3.69	5.75	6.19	7.39	7.81	7.50	8.25	8.33	8.87	5.63	3.44	5.56	6.31	5/16-24
732	0.88	3.50	4.38	6.56	7.00	8.20	8.77	9.25	10.13	10.49	10.99	7.06	4.31	6.75	7.63	5/16-24

Size	R		S	T1	T2 C'Bore/ Hole Dias.	U1 +.000 -.001	Max U2*	V	W	Y	Z	Approx. Weight (lbs.)			
	56C/140TC	180TC/210TC										SSF700	SSHF700	SSF700B	SSHF700B
713	3.33	-	1.38	5/16-18	-	0.625	1.0000	2.00	3/16 x 1	0.63	*	13	15	15	17
715	3.33	-	1.38	5/16-18	.60 / .41	0.750	1.0000	1.78	3/16 x 1	0.63	*	21	24	23	26
718	3.33	-	1.38	5/16-18	.60 / .41	0.875	1.0000	1.78	3/16 x 1	0.60	*	22	25	25	28
721	3.33	-	2.00	3/8-16	.78 / .47	1.000	1.4375	2.09	1/4 x 1-1/4	0.82	*	27	30	30	33
724	3.33	4.63	2.00	3/8-16	.78 / .47	1.125	1.4375	2.38	1/4 x 1-1/4	0.70	*	37	42	41	46
726	3.33	4.63	2.50	3/8-16	.78 / .53	1.125	1.9375	2.63	1/4 x 1-15/16	0.73	*	40	47	44	51
732	3.33	4.63	2.88	7/16-14	.78 / .53	1.375	2.1875	3.25	5/16 x 2-7/16	0.89	*	63	76	70	83

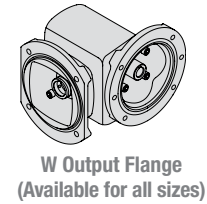
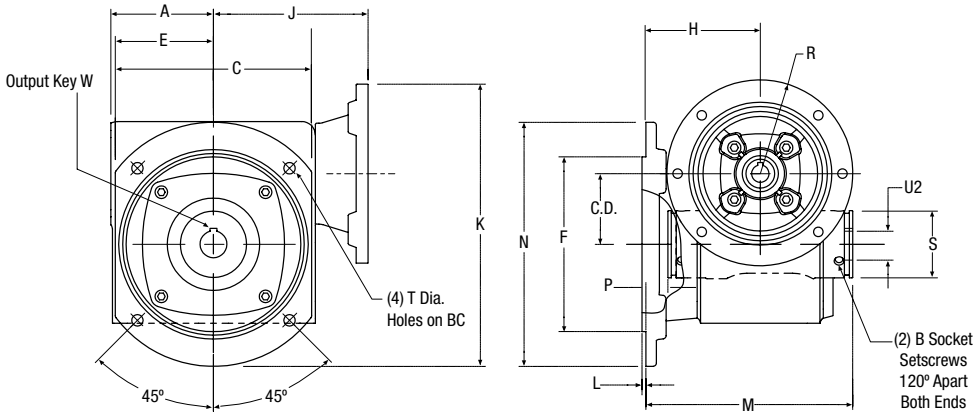
* Refer to Table 1 on page 56.

SS700 Series Single Reduction, With Output Flange

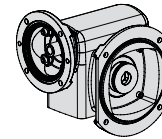
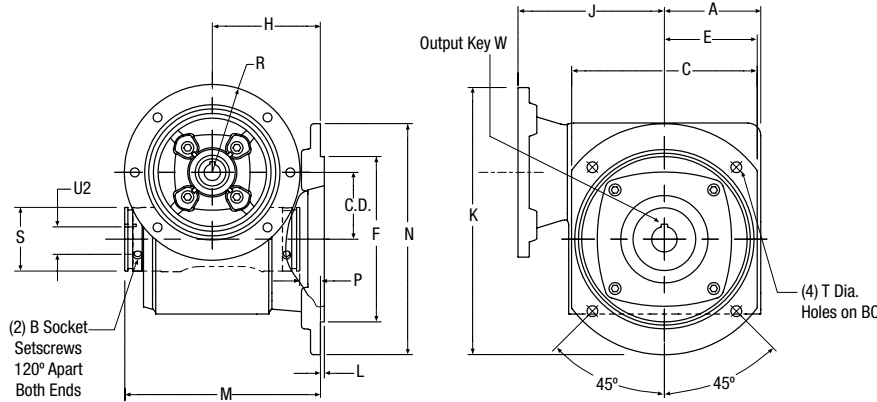
Dimensions



SSHF700W & SSHQC700W Hollow Output Shaft, W Position



SSHF700V & SSHQC700V Hollow Output Shaft, V Position



Size	C.D.	A	B	C	B.C.	E	F	H	J				K	L
									F700		QC700 NEW			
									56C/140TC	180TC	56C/140TC	180TC		
713	1.33	2.18	#10-32	4.75	5.00	2.38	4.125	3.18	3.94	-	5.46	-	7.55	0.15
715	1.54	2.63	#10-32	5.54	5.88	2.77	4.750	4.08	4.50	-	6.11	-	8.34	0.15
718	1.75	2.82	#10-32	5.53	5.88	2.77	5.470	3.62	4.69	-	6.29	-	8.55	0.15
721	2.06	3.06	1/4-28	6.03	6.50	3.02	5.250	3.94	5.06	-	6.76	-	9.17	0.15
724	2.38	3.25	1/4-28	6.80	7.50	3.40	5.500	4.22	5.25	5.69	6.95	7.81	9.94	0.15
726	2.62	3.80	5/16-24	7.29	8.00	3.65	6.500	4.45	5.75	6.19	7.39	7.81	10.50	0.15
732	3.25	4.60	5/16-24	8.79	10.00	4.40	8.000	5.50	6.56	7.00	8.20	8.77	12.22	0.15

Size	M	N	P	R		S	T**		Low Speed Shaft			Approx Weight (lbs.)
				56C/140TC	180TC/210TC		Hole Dia	C-Bore Dia	Hollow Bore Output			
									Max U2*	W - Key		
							Sq.	Length				
713	5.68	5.80	0.68	3.33	-	1.38	0.362	0.600	1.0000	*	*	16
715	7.11	6.94	1.05	3.33	-	1.38	0.362	0.600	1.0000	*	*	26
718	0.65	6.94	0.59	3.33	-	1.38	0.362	0.600	1.0000	*	*	29
721	7.16	7.56	0.72	3.33	-	2.00	0.425	0.600	1.4375	*	*	34
724	7.44	8.60	1.00	3.33	4.63	2.00	0.425	0.600	1.4375	*	*	48
726	7.89	9.08	1.01	3.33	4.63	2.50	0.425	0.600	1.9375	*	*	51
732	9.81	11.28	1.19	3.33	4.63	2.88	0.535	0.808	2.1875	*	*	80

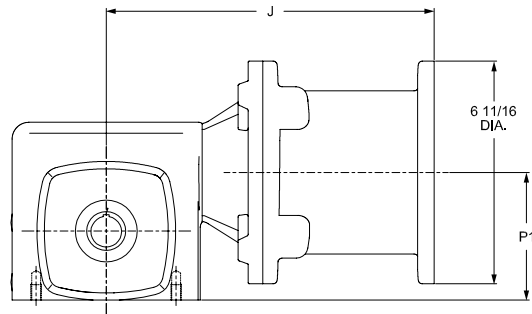
* Refer to Table 1 on page 56.

** Designed for use with socket head capscrews.

SS700 WP Series Double Reduction

Dimensions

SSHFWP700 & SSHQCW700 Hollow Output Shaft



Size	C.D.	J		P1
		F700	QC700 <small>NEW</small>	
		56C/140TC	56C/140TC	
713	1.33	9.07	10.59	3.06*
715	1.54	9.63	11.24	3.44
718	1.75	9.82	11.42	3.81
721	2.06	10.19	11.89	4.34
724	2.38	10.38	12.08	4.88
726	2.62	10.88	12.52	5.56
732	3.25	11.69	13.33	6.75

*Motor flange will drop below the bottom of the speed reducer.

Same dimensions for SSHFWP700 & SSQCWP700 Solid Output Shaft Models.

A

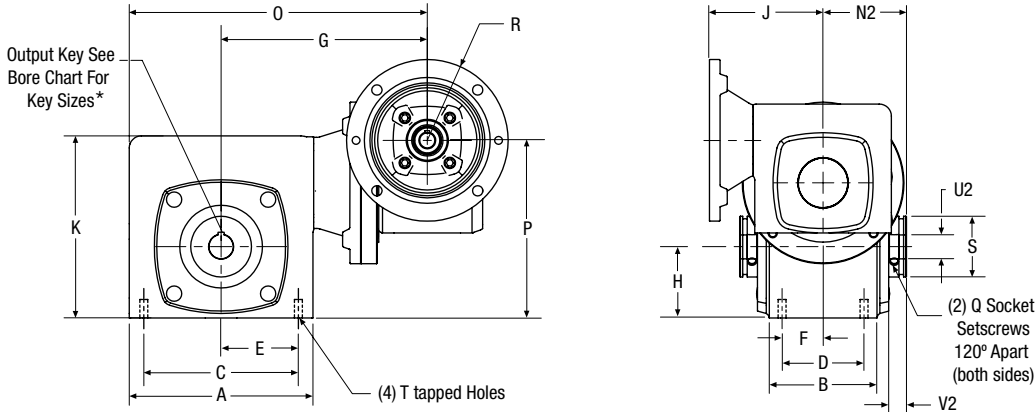
SS700 WB Series Double Reduction, Parallel Shafts

Dimensions

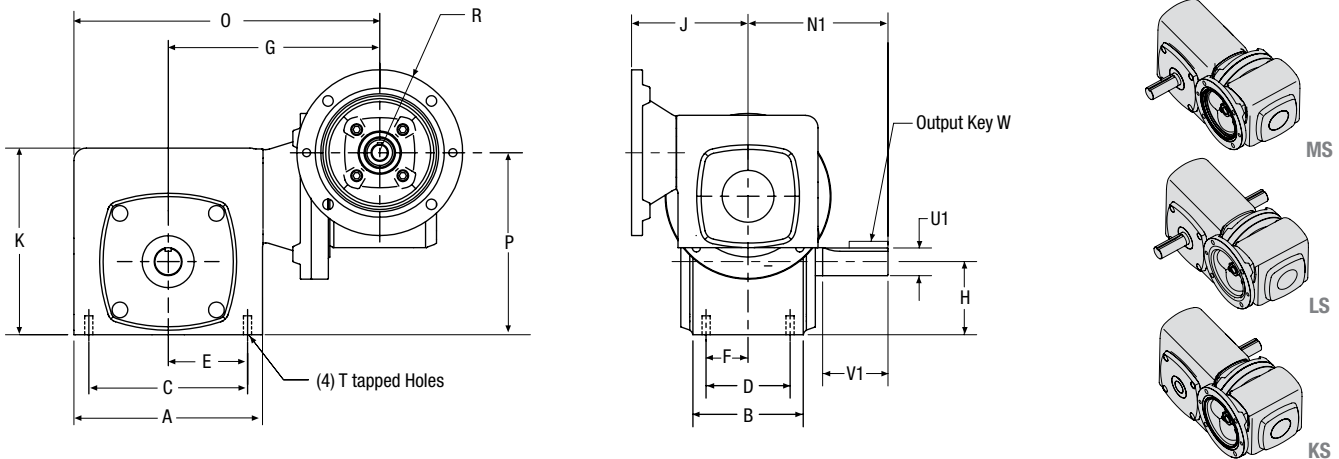
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SSHFWB700 & SSHQCWB700 Hollow Output Shaft



SSFWB700 & SSQCWB700 Solid Output Shaft



Size	A	B	C	D	E	F	G	H	J		K	N1	N2	O	P
									F700	QC700 <small>NEW</small>					
									56C/140TC	56C/140TC					
713	4.35	2.87	3.25	2.00	1.63	1.00	7.00	1.72	3.94	5.46	4.27	4.00	2.50	9.18	4.39
718	5.63	3.69	4.19	2.75	2.09	1.38	7.75	2.06	3.94	5.46	5.31	4.31	3.03	10.57	5.14
721	6.12	3.81	5.00	2.88	2.50	1.44	8.12	2.28	3.94	5.46	5.97	4.69	3.22	11.18	5.67
726	7.58	4.44	6.38	3.38	3.19	1.69	8.56	2.94	4.68	6.29	7.50	5.63	3.44	12.35	7.32
732	9.20	5.88	7.50	4.00	3.75	2.00	9.37	3.50	4.68	6.29	9.25	7.06	4.31	13.97	8.50

Size	Q	R 56C/140TC	S	T		Low Speed Shaft						Approx Weight (lbs.)	
				Tap Size	U1 +.000 -.001	Solid Output Shaft			Hollow Bore Output				
						V1	W - Key		Max U2*	V2			
							Sq.	Length			SSFWB	SSHFWB	
713	#10-32	3.33	1.38	5/16-18	0.625	2.13	3/16	1	1.0000	0.63	28	30	
718	#10-32	3.33	1.38	5/16-18	0.875	1.78	3/16	1	1.0000	0.60	37	40	
721	1/4-28	3.33	2.00	3/8-16	1.000	2.09	1/4	1-1/4	1.4375	0.82	42	45	
726	5/16-24	3.33	2.50	3/8-16	1.125	2.63	1/4	1-15/16	1.9375	0.73	62	69	
732	5/16-24	3.33	2.88	7/16-14	1.375	3.25	5/16	2-7/16	2.1875	0.88	85	98	

* Refer to Table 1 on page 56.

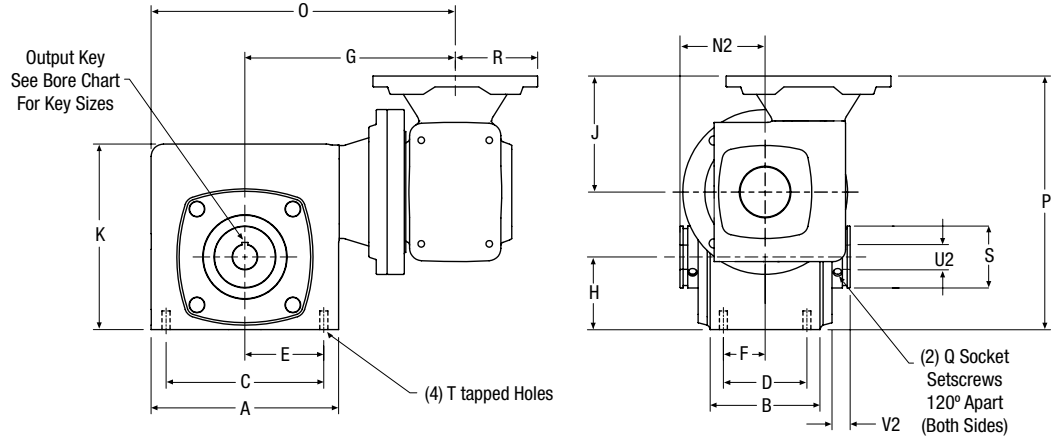
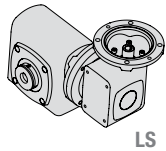
SS700 WD Series Double Reduction, Right Angle Shafts

Dimensions

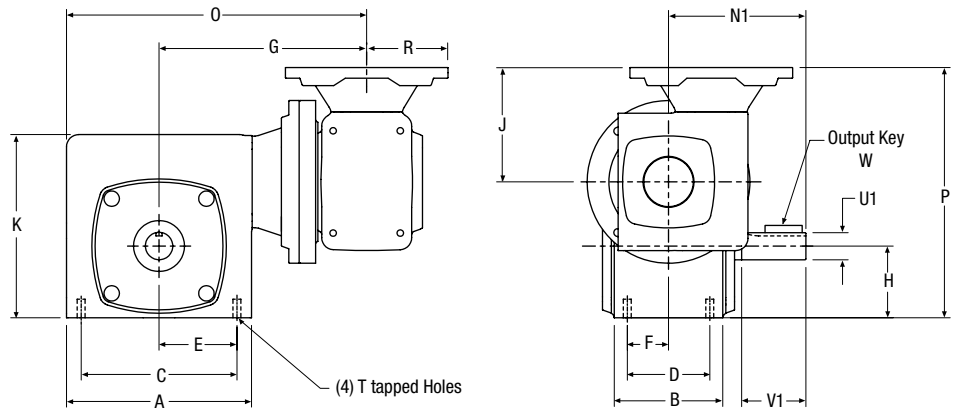
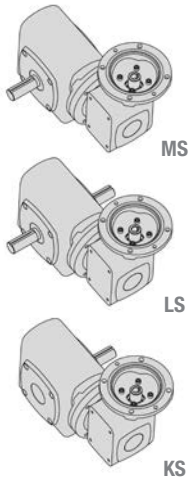


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SSHFWD700 & SSHQCWD700 Hollow Output Shaft



SS700 WD Series Solid Output Shaft



Size	A	B	C	D	E	F	G	H	J			K	N1	N2	O	P	
									F700	QC700 ^{NEW}						F700	QC700 ^{NEW}
									56C/140TC	56C/140TC						56C/140TC	56C/140TC
713	4.35	2.87	3.25	2.00	1.63	1.00	7.00	1.72	3.94	5.46	4.27	4.00	2.50	9.18	4.39	5.91	
718	5.63	3.69	4.19	2.75	2.09	1.38	7.75	2.06	3.94	5.46	5.31	4.31	3.03	10.57	5.14	6.66	
721	6.12	3.81	5.00	2.88	2.50	1.44	8.12	2.28	3.94	5.46	5.97	4.69	3.22	11.18	5.67	7.19	
726	7.58	4.44	6.38	3.38	3.19	1.69	8.56	2.94	4.68	6.29	7.50	5.63	3.44	12.35	10.25	11.86	
732	9.20	5.88	7.50	4.00	3.75	2.00	9.37	3.50	4.68	6.29	9.25	7.06	4.31	13.97	11.44	13.05	

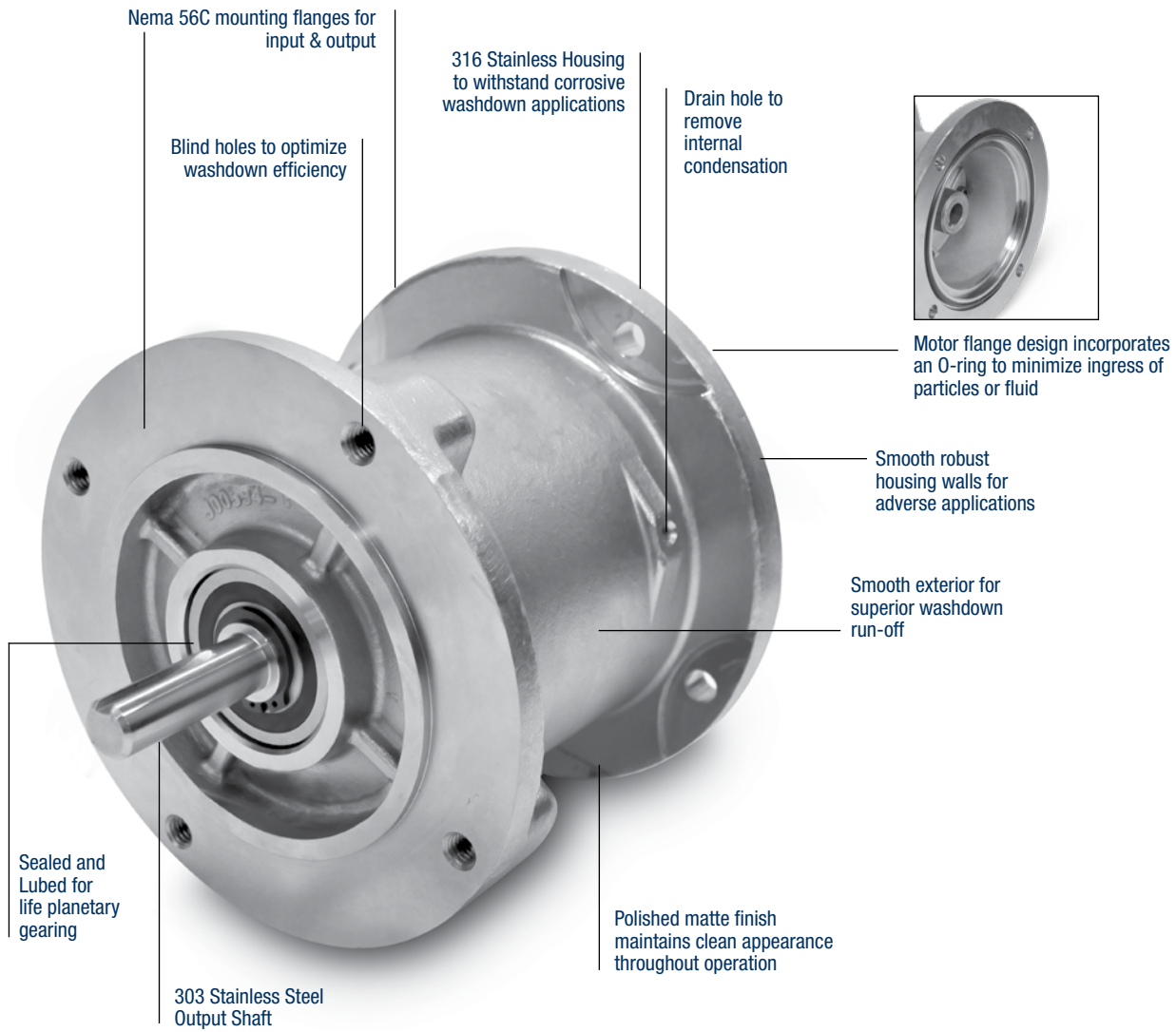
Size	Q	R 56C/140TC	S	T		Low Speed Shaft						Approx Weight (lbs.)	
				Tap Size	U1 +.000 -.001	Solid Output Shaft			Hollow Bore Output				
						V1	W - Key		Max U2*	V2			
							Sq.	Length			SSFWD	SSHFW	
713	#10-32	3.33	1.38	5/16-18	0.625	2.13	3/16	1	1.0000	0.63	28	30	
718	#10-32	3.33	1.38	5/16-18	0.875	1.78	3/16	1	1.0000	0.60	37	40	
721	1/4-28	3.33	2.00	3/8-16	1.000	2.09	1/4	1-1/4	1.4375	0.82	42	45	
726	5/16-24	3.33	2.50	3/8-16	1.125	2.63	1/4	1-15/16	1.9375	.73	62	69	
732	5/16-24	3.33	2.88	7/16-14	1.375	3.25	5/16	2-7/16	2.1875	.88	85	98	

* Refer to Table 1 on page 56.

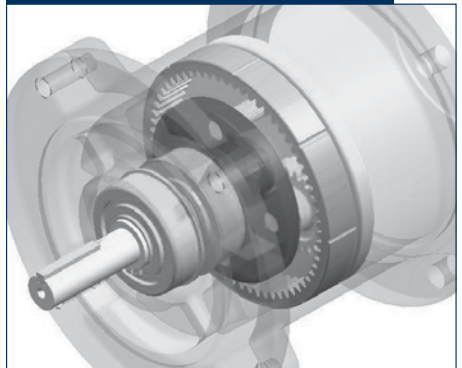
SSFSP Series Planetary Multiplier

Expanded Speed Reduction while Maintaining Operating Efficiency

A



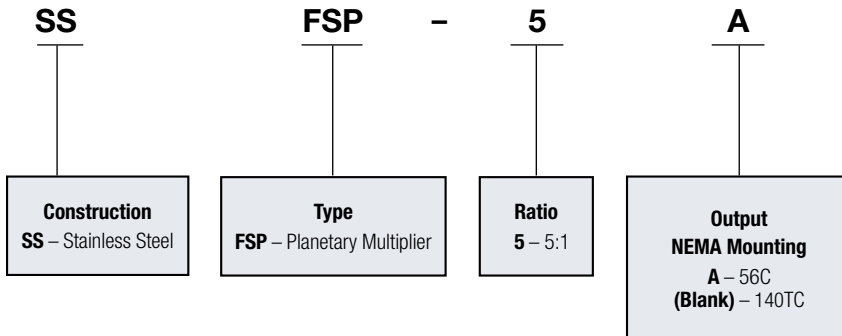
High Efficiency, Quiet Operation Planetary Gearing



SSFSP Series Planetary Multiplier

Ordering Information

Stainless Steel Stand - Alone Planetary Multiplier Example: **SSFSP-5A**



A

Lubrication

All SSFSP Series Planetary Multipliers are supplied as Lubricated-for-Life for maximum efficiency, maintenance-free operation. The inherent design of planetary gearing is conducive to the use of grease as a lubricant, because the rotation of the sun and planet gears inside of the internal ring gear promotes even distribution of the lubricant and consistent recirculation. The lubricant we apply at the time of assembly is Klubersynth UH1 14-222 grease which has the characteristics shown below.

LUBRICANT	Type	Operating Temperature Range	Certifications	Comments
Klubersynth UH1 14-222	Synthetic Grease, NLGI2	-15F to +225F (-25C to +107C)	FDA 21CFR178.3570 compliant, NSF registered	H1 Food-Grade

Notes: Temperature limit is dictated by multiplier components and not the lubricant.

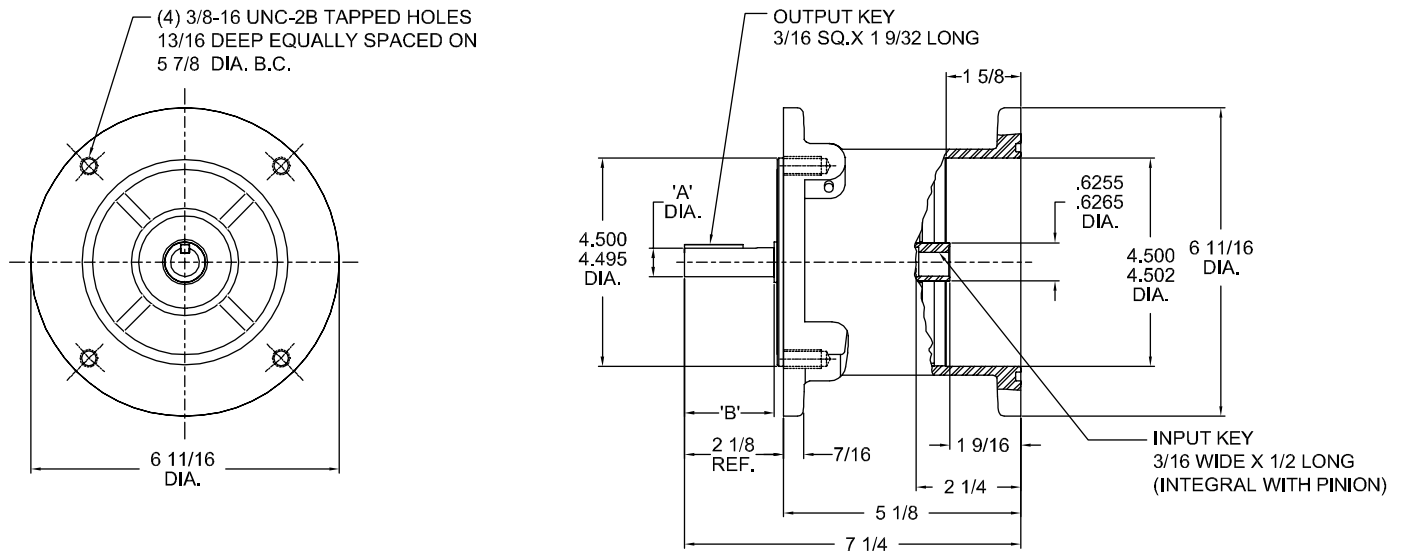
SSFSP Series Planetary Multiplier

Performance Data

A

Output RPM	Ratio	Motor HP (1750 RPM Input)	Output		Multiplier Catalog Number
			HP	Torque (lb.ins)	
350	5	1/6	.14	25	SSFSP-5 OR SSFSP-5A
		1/4	.21	38	
		1/3	.29	56	
		1/2	.45	81	
		3/4	.69	124	

Dimensions



Dimensions in Inches

Catalog Number	A Shaft Dia.	B Shaft Length	Output NEMA Frame Size	Input NEMA Frame Size
SSFSP-5A	.6245 / .6240	1-15/16	56C	56C
SSFSP-5	.8745 / .8740	2	140TC	56C

700 Series Double Reduction Worm Gear Reducers



B

Section Contents

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Selection Procedure.....	71
Assemblies and Mounting Positions	72-75
Recommended Lubricants	76
Output rpm Selection Tables.....	77-81
Reducer Dimensions	82-101

For Other Boston Gear Reducers, Contact Factory.

700 Series Double Reduction Catalog Number & Reference Guide

700 Series Right Angle Worm Gearbox - Double Reduction

SBKC H QC HMA 7 38 B - 300 K E Z T - B5 -

Input Shaft Style

Blank - Solid Projecting Input Shaft
 F - Quill Style Motor Flange
 RF - Coupling Style Motor Flange
 QC - Quick Connect Motor Flange (close coupled)

Output Shaft Style

Blank - Solid Output Shaft
 H - *BostMount* Hollow Output (setscrews both sides, bore size selectable)
 S - Hollow Output (setscrews one side, bore size fixed)

Reducer Material/Paint

Blank - Cast Iron, Std. Gray paint
 BKC - Cast Iron, White *BostKleen* paint
 SBKC - Cast Iron, Stainless *BostKleen* paint
 SS - Stainless Steel material - no paint

Reduction Type

WA - Double Reduction Parallel Shafts
 WB - Double Reduction Parallel Shafts
 WC - Double Reduction Right Angle Shafts
 WD - Double Reduction Right Angle Shafts
 HMA - Helical Multiplier 12 O'clock
 HMB - Helical Multiplier 6 O'clock
 HMC - Helical Multiplier 3 O'clock
 HMD - Helical Multiplier 9 O'clock
 WP - Planetary Torque Multiplier

Center Distance (inches)

13 - 1.33
 18 - 1.75
 21 - 2.06
 26 - 2.62
 30 - 3.00
 32 - 3.25
 38 - 3.75
 52 - 5.13
 60 - 6.00

Exact Gear Ratio
Ratio to 1

100	1200
150	1800
200	2000
300	2400
400	3000
600	3600
900	

Check Catalog - Or consult factory for availability

Lubrication

Blank - No lubrication
 K - Klubersynth UH1 6-460
 S - Mobil SHC 634
 X - Mobil 600W

Vent

Blank - Standard Vent
 P - Pressure Vent (5 psi)
 Z - Posivent (sealed)

Endcap (732-760 only)

E - Endcap (standard)

Oil Seal

Blank - Standard Seal
 T - Two Standard Input Seals
 C - High pressure washdown output seals and double input seals (stainless products only) **IP69K**

Base/Mounting Attachment*

Blank - No base kit required
 A & B - Horizontal bases
 C & E - Vertical High bases
 D & F - Vertical Low bases
 R/L - *BostMount* Output Bracket
 X - Input Vertical Up
 Y - Input Vertical Down
 V/W - Hollow O/P with base
 M/N - Hollow O/P with CFA

*See catalog for mounting configurations

NEMA Motor Mounting

BORE CODE	NEMA MOUNTING	INPUT BORE	KEYWAY
B4	42CZ	.500"	1/8 x 1/16
B5	56C	.625	3/16 x 3/32
B7	140TC/180C	.875	3/16 x 3/32
B9	180TC/210C	1.125	1/4 x 1/8
B11	210TC/250UC	1.375	5/16 x 5/32
B13	250TC	1.625	3/8 x 3/16

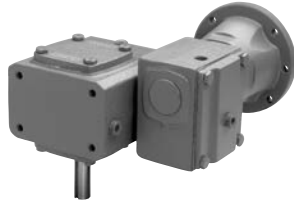
Blank Solid Input Shaft (No Flange)

700 Series Double Reduction Flanged & Non-Flanged Reducers

Ordering Information - Page 70
 Selection/Rating Information - Pages 71, 77-81
 Lubrication - Page 76
 Motor Selection - Pages 335 and 336



FWA/QCWA700 BASIC
Dimensions - Page 82



FWC/QCWC700 BASIC
Dimensions - Page 87



WA700 BASIC
Dimensions - Page 92



WC700 BASIC
Dimensions - Page 97



HFWA/HQCWA700 BASIC
Dimensions:
 HFWA/QCWA700 - Page 83
 HFWA/QCWA700R/L - Page 84
 HFWC/QCWC700 - Page 87
 HFWC/QCWC700R/L - Page 89



SFWA700 BASIC
Dimensions:
 SFWA700 - Page 85
 SFWA700V - Page 86
 SFWC700 - Page 90
 SFWC700V/W - Page 91



HWA/HWC700 BASIC
Dimensions:
 HWA700 - Page 92
 HWA700R - Page 94
 HWC700 - Page 98
 HWC700R/L - Page 99



SWA/SWC700 BASIC
Dimensions:
 SWA700 - Page 95
 SWA700V - Page 96
 SWC700 - Page 100
 SWC700V/W - Page 101

700 Series Worm Gear Speed Reducers

HS 1 - P24 -

BestMount Output Bore Code

For H Series Only Specified in 1/16" increments.

Example: 1 1/4" = P20

5/8 - P10	1-1/2 - P24
3/4 - P12	1-5/8 - P26
7/8 - P14	1-11/16 - P27
15/16 - P15	1-3/4 - P28
1 - P16	1-7/8 - P30
1-1/16 - P17	1-15/16 - P31
1-1/8 - P18	2 - P32
1-3/16 - P19	2-1/8 - P34
1-1/4 - P20	2-3/16 - P35
1-5/16 - P21	2-1/4 - P36
1-3/8 - P22	2-7/16 - P39
1-7/16 - P23	3-7/16 - P55

See catalog page 128 for availability by center distance. Consult factory for metric bores

Mounting Positions

Blank -No Lubrication Supplied

For Factory Prelubrication Indicate Mounting Position

- 1 - Standard Mounting(Worm over)
- 2-6 - Refer to Mounting Positions on catalog page 72 and 73.

Output Shaft Assembly

Double Reduction WA and WB

G	Output Projection Opposite Input
H	Double Output Projection
J	Output Projection Same Side as Input
GS	Stainless Output Projection Opposite Input
HS	Stainless Double Output Projection
JS	Stainless Output Projection Same Side as Input

Double Reduction WA and WB Mirrored Design

K	Output Projection Opposite Input
L	Double Output Projection
M	Output Projection Same Side as Input
KS	Stainless Output Projection Opposite Input
LS	Stainless Double Output Projection
MS	Stainless Output Projection Same Side as Input

Double Reduction WC and WD (When facing Input)

G	Output Projection Down
H	Double Output Projection
J	Output Projection Upward
GS	Stainless Output Projection Down
HS	Stainless Double Output Projection
JS	Stainless Output Projection Upward

Double Reduction WC and WD (When facing Input) Mirrored Design

K	Output Projection Down
L	Double Output Projection
M	Output Projection Upward
KS	Stainless Output Projection Down
LS	Stainless Double Output Projection
MS	Stainless Output Projection Upward

Clutch/Brake

CMBA56U-6 -

Common C-Face Brakes Installed

115/230 VAC 60hz	Ft-Lb	Bore Code
CMBA56R-3	3	B5
CMBA56R-6	6	B5
CMBA140TR-6	6	B7
208-230/460 VAC 60hz	Ft-Lb	Bore Code
CMBA56U-3	3	B5
CMBA56U-6	6	B5
CMBA140TU-6	6	B7

Other sizes available. See catalog page 343.

Motor

HUTF5/8-IDB - 3

Motor Conduit box Orientation

(When looking at fan end of motor and gearbox is in mounting position #1)

- 0 - 12 O'clock
- 3 - 3 O'clock(standard for G & H shaft assemblies)
- 6 - 6 O'clock
- 9 - 9 O'clock (standard for J shaft assemblies)

Common C-Face Motors Installed

HP Rating	Bore Code	AC Voltage	
		115/208-230-1-60	208-230/460-3-60
1/4 HP	B5	DRTFB	DUTFB
1/3 HP	B5	ERTFB	EUTFB
1/2 HP	B5	FRTFB	FUTFB
	B5		FUT-SS
	B5		FUTF-IDB
3/4 HP	B5	GRTFB	GUTFB
	B5		GUT-SS
	B5		GUTF-IDB
1 HP	B5	HRTF-5/8B	HUTF5/8B
	B5		HUT5/8-SS
	B5		HUTF5/8-IDB
	B7		HUTFB
	B7		HUT-SS
1.5 HP	B7		HUTF-IDB
	B7		JUTFB
	B7		JUTF-SS
2 HP	B7		JUTF-IDB
	B7		KUTF5/8B
	B7		KUTFB
	B7		KUTF-SS
3 HP	B9		KUTF-IDB
	B9		LUTFB
	B9		LUTF-SS
5 HP	B9		LUTF-IDB
5 HP	B9		MUTFB

Other motors available, please see catalog pages 333 to 343.

- T** - Totally enclosed non-ventilated
- TF** - Totally enclosed fan cooled
- SS** - Stainless
- IDB** - Inverter Duty (10:1 turn down constant torque)
- B5** - 56C
- B7** - 140TC
- B9** - 180TC

B

Double Reduction Numbering System / How to Order

Style	Size	Base	Ratio	Lubrication	Vent	Input Seal	NEMA Mounting	Shaft Assembly	Mounting Position	Output Bore Code
-------	------	------	-------	-------------	------	------------	---------------	----------------	-------------------	------------------

Style Designates reducer or flanged reducer, projecting or hollow output shaft.

- C-** Designates cast iron flange and base. Standard on motor flanges 3 HP (180TC) and up and all bases except horizontal (710-726).
- WA-** Double reduction, parallel shaft reducer with projecting output shaft.
- HWA-** Double reduction, parallel shaft reducer with BostMount hollow output shaft.
- SWA-** Double reduction, parallel shaft reducer with hollow output shaft.
- WC-** Double reduction, right angle shaft reducer with projecting output shaft.
- HWC-** Double reduction, right angle shaft reducer with BostMount hollow output shaft.
- SWC-** Double reduction, right angle shaft reducer with hollow output shaft.
- FWA-** Double reduction, parallel shaft flanged reducer (Quill types) with projecting output shaft.
- HFWA-** Double reduction, parallel shaft flanged reducer (Quill types) with BostMount hollow output shaft.
- SFWA-** Double reduction, parallel shaft flanged reducer (Quill types) with hollow output shaft.
- FWC-** Double reduction, right angle shaft flanged reducer (Quill types) with projecting output shaft.
- HFWC-** Double reduction, right angle shaft flanged reducer (Quill types) with BostMount hollow output shaft.
- SFWC-** Double reduction, right angle shaft flanged reducer (Quill types) with hollow output shaft.
- QCWA-** Double reduction, parallel shaft flanged reducer (Coupling types) with projecting output shaft.
- HQCWA-** Double reduction, parallel shaft flanged reducer (Coupling types) with BostMount hollow output shaft.
- QCWC-** Double reduction, right angle shaft flanged reducer (Coupling types) with projecting output shaft.
- HQCWC-** Double reduction, right angle shaft flanged reducer (Coupling types) with projecting output shaft.
- SSFWB/SSFWD-** Stainless steel double reduction with solid output shaft.
- SSHFWB/SSHFWD-** Stainless steel double reduction with hollow output shaft.

Size Center distance, rounded off. On double reduction models this is the Center Distance of the second reduction.

713 - 1.33	726 - 2.62	738 - 3.75
718 - 1.75	730 - 3.00	752 - 5.16
721 - 2.06	732 - 3.25	760 - 6.00

Base Base positions relative to output shaft. Shipped separately as Base Kits. See Page 129.

- Blank -** No Base Kit
- A,B -** Horizontal Bases
- C,D,E,F -** Vertical Bases
- R/L -** BostMount Output Bracket
- X -** Input Vertical Up
- Y -** Input Vertical Down
- V,W -** Flanged bases, available on "S" hollow shaft models only. Factory assembled.
- M,N-** Hollow Output with CFA

Ratio See Selection Tables for available ratios

Lubrication Optional prelubrication.

- Blank -** No lubrication supplied.
- K -** Klubersynth UH1 6-460
- S -** Mobil SHC 634
- X -** Mobil 600W

When specifying optional prelubrication, include mounting position after shaft assembly.

Vent Pressure Relief.

- Blank -** Standard Vent
 - P -** 5 PSI Vent
 - Z -** PosiVent® Pressure Compensating Bladder
- When specifying optional prelubrication, include mounting position after shaft assembly.

Input Oil Seal

- Blank -** Standard Seal
- T -** Double Input Seals. Recommended for mounting positions 2, 3, 4, 6

NEMA Mounting Designates flange size and input bore diameter. Flanged reducers only. Leave blank for projecting input reducers.

Bore Code	NEMA Mounting	Input Bore	Keyway
B4	42CZ	.500"	1/8 x 1/16
B5	56C	.625	3/16 x 3/32
B7	140TC/180C	.875	3/16 x 3/32
B9	180TC/210C	1.125	1/4 x 1/8

See page 252 for Mounting Dimensions.

Shaft Assembly Assembly shaft arrangements. See Assemblies, Pages 72-75.

- G* -** Standard assembly
- H* -** Double output shaft projection.
- J* -** Opposite to standard.

* Add "S" after letter for Stainless Steel Shaft (ex. GS, HS, JS)

Mounting Position Designates the position of oil and vent plugs with respect to mounting.

- Blank -** For units not supplied prelubricated.
- 1-6 -** See Pages 58-61.

Output Bore Code Specified in 1/16" increments. See Page 114 for complete offering. Example: 1 1/4" = P20 Required for H Series only.

How to Order

When ordering reducers please include code letters for Style, Size, Base (if required), Ratio, Lubrication (if required), NEMA Mounting (if flanged reducer), Shaft Assembly and Motor (if required).

EXAMPLE: Required size, 726 Quill types flanged double reduction reducer, 100 to 1 ratio, 5/8" input bore, parallel shafts, standard assembly, no base.

Motor to be 3/4 HP, 1750 RPM, 230/460 Volt, 3 Phase, 60 cycle, Open Dripproof.

FWA 726 - 100 - B5 - G - GUB3

ORDER: FWA726-100-B5-G-GUB3

NOTE: For other assembly configurations, contact factory.

Double Reduction Speed Reducer Selection Procedure

To properly select a speed reducer, the following application information must be known:

- Input RPM (Ratio)
- Output Torque
- Input Horsepower
- Service Factor

Non-Motorized Speed Reducer

1. Determine service factor from table below.
2. Determine design horsepower.
Design Horsepower =
Application Load x Service Factor
3. Select a speed reducer size that satisfies output RPM, service class and/or output torque requirements.
4. Check overhung load capacity.

Motorized Speed Reducer

1. Determine service class from table below
2. Select a reducer size that satisfies output RPM, service class and/or output torque requirements.
3. Check overhung load capacity.

Service Factor Table

AGMA Class of Service	Service Factor	Operating Conditions
I	1.00	Moderate Shock-not more than 15 minutes in 2 hours.
		Uniform Load-not more than 10 hours per day.
II	1.25	Moderate Shock-not more than 10 hours per day.
		Uniform Load-more than 10 hours per day.
	1.50	Heavy Shock-not more than 15 minutes in 2 hours.
		Moderate Shock-more than 10 hours per day.
III	1.75	Heavy Shock-not more than 10 hours per day.
	2.00	Heavy Shock-more than 10 hours per day.

For complete AGMA Service Factors and Load Classifications, see Engineering Section, Pages 349 and 350.

Double Reduction Selection Tables

Capacity selection tables on Pages 77-81 list catalog numbers and ratios of both reducers and gearmotors. Output RPM, output torque and horsepower are all based on 1750 RPM input. For motorized reducer selection, select the desired output RPM and refer to the gearmotor ratings column. For non-motorized reducers, refer to the reducer gear capacity columns. For the desired HP, torque and service factor that satisfies your requirements, a 700 Series basic reducer number will be indicated. For complete catalog part number, descriptions and options, refer to Page 70.

Overhung Load

If the output shaft of a speed reducer is connected to the driven machine by other than a flexible coupling, an overhung load is imposed on the shaft. This load may be calculated as follows:

$$OHL = \frac{2TK}{D}$$

OHL = Overhung Load (LB.)

T = Shaft Torque (LB.IN.)

D = PD of Sprocket, Pinion or Pulley (IN.)

K = Load Connection Factor

Load Connection Factor

Sprocket or Timing Belt	1.00
Pinion and Gear Drive	1.25
Pulley and V-Belt Drive.	1.50
Pulley and Flat Belt Drive	2.50

An overhung load greater than permissible load value may be reduced to an acceptable value by the use of a sprocket, pinion or pulley or a larger PD. Relocation of the load closer to the center of reducer will also increase OHL capacity.

Permissible overhung loads and output shaft thrust loads are listed for each reducer in the tables on Pages 30-33.

Maximum Input Speeds

W713, W718, W721, W726.4500 RPM

W730 through W7603600 RPM

NOTE: Horsepower ratings for 1750 RPM should NOT be exceeded when operating at higher input speeds.

Ratings shown reflect maximum gear capacity with Klubersynth UH1 6-460 lubricant. The use of other lubricants may reduce ratings by up to 15%.

Ratings are mechanical not thermal.

B

Flanged Reducer Assemblies and Mounting Positions

Assemblies—FWA/QCWA700 Series

Standard assemblies define output shaft (slow speed) projection with respect to input shaft (high speed) and mounting surface.

Types “A” and “B” are horizontal bases.

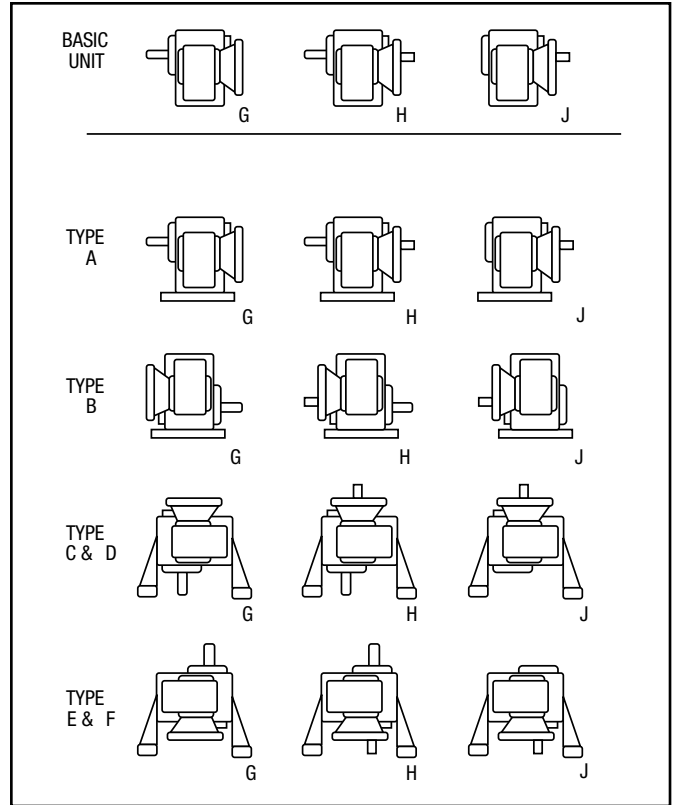
Types “C” and “E” are vertical high bases and Types “D” and “F” are vertical low bases.

Basic models and separate base kits are supplied unless otherwise specified. Assembly “H” available at a slight additional charge.

See Page 70 for complete ordering instructions.

Input may rotate clockwise or counter clockwise.

For other configurations not shown, contact factory.



Mounting Positions – FWA/QCWA – HFWA/HQCWA – SFWA700 Series

Standard assemblies are for Position 1. The design permits any types of assembly to be mounted in any position shown by the proper location of the vented oil filler, level and drain plugs, at the time of installation.

For other than Position 1, order standard and relocate vented oil filler, level and drain plugs.

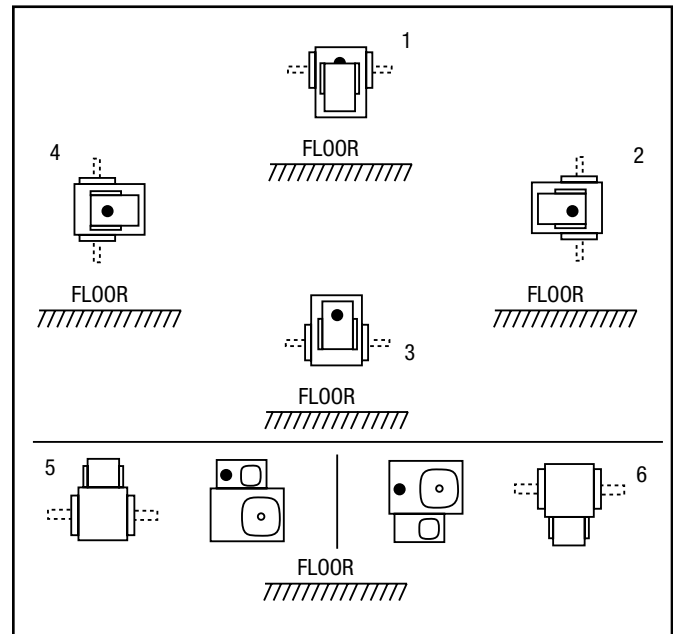
Vented oil filler plug must be located in the uppermost position.

For all mounting positions where the vented filler plug is located in a horizontal plane, the vent hole must point upward.

For all mounting positions where the vented filler plug is located in a vertical plane, the vent hole must point toward center of housing.

For production orders Boston Gear will assemble units for the specified mounting position desired at no additional charge.

WARNING: The lubricant will flow between the large gearbox and the small gearbox. When filling with oil, make sure both gearboxes are full to the correct/same level. It is strongly recommended the oil level in each gearbox is verified after a short run.



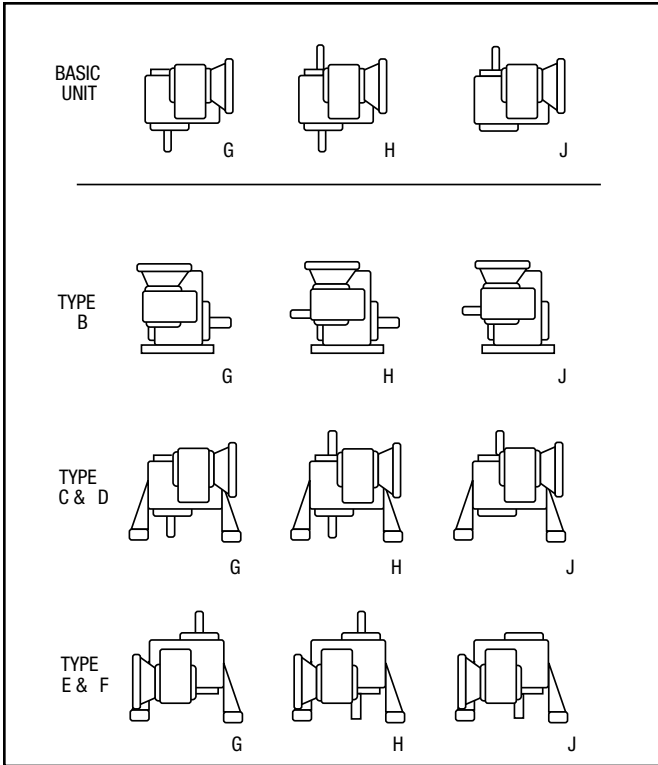
• Indicates proper oil level.

CAUTION

When ordering speed reducers pre-lubricated, the Mounting Position must be indicated to ensure proper oil level.

B

Flanged Reducer Assemblies and Mounting Positions



Assemblies—FWC/QCWC700 Series

Standard assemblies define output shaft (slow speed) projection with respect to input shaft (high speed) and mounting surfaces.

Types “B” is a horizontal base.

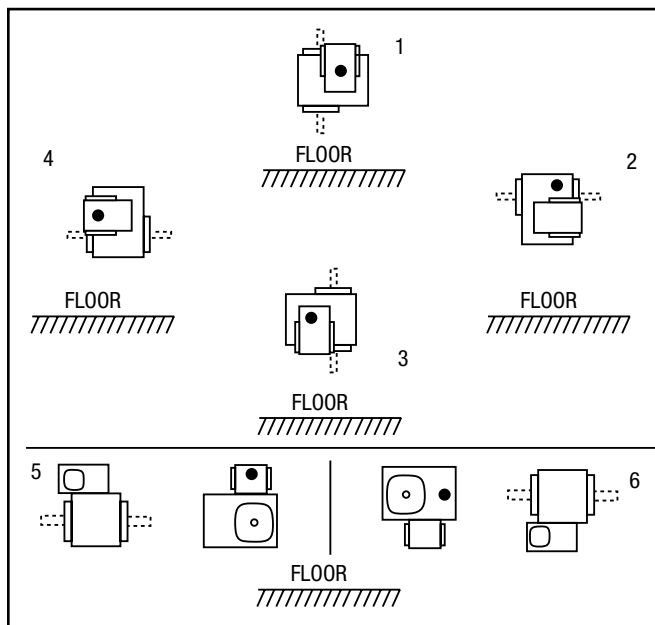
Types “C” and “E” are vertical high bases and types “D” and “F” are vertical low bases.

Basic models and separate base kits are supplied unless otherwise specified. Assembly “H” available at a slight additional charge.

See Page 70 for complete ordering instructions.

Input may rotate clockwise or counter clockwise.

For other configurations not shown, contact factory.



• Indicates proper oil level.

CAUTION

When ordering speed reducers pre-lubricated, the Mounting Position must be indicated to ensure proper oil level.

Mounting Positions – FWC/QCWC – HFWC/HQCWC – SFWC700 Series

Standard assemblies are for Position 1. The design permits any types of assembly to be mounted in any position shown by the proper location of the vented oil filler, level and drain plugs, at the time of installation.

For other than Position 1, order standard and relocate vented oil filler, level and drain plug.

Vented oil filler plug must be located in the uppermost position.

For all mounting positions where the vented filler plug is located in a horizontal plane, the vent hole must point upward.

For all mounting positions where the vented filler plug is located in a vertical plane, the vent hole must point toward center of housing.

For production orders Boston Gear will assemble units for the specified mounting position desired at no additional charge.

WARNING: The lubricant will flow between the large gearbox and the small gearbox. When filling with oil, make sure both gearboxes are full to the correct/same level. It is strongly recommended the oil level in each gearbox is verified after a short run.

Non-Flanged Reducer Assemblies and Mounting Positions

Assemblies—WA700 Series

Standard assemblies define output shaft (slow speed) projection with respect to input shaft (high speed) and mounting surfaces.

Types “A” and “B” are horizontal bases.

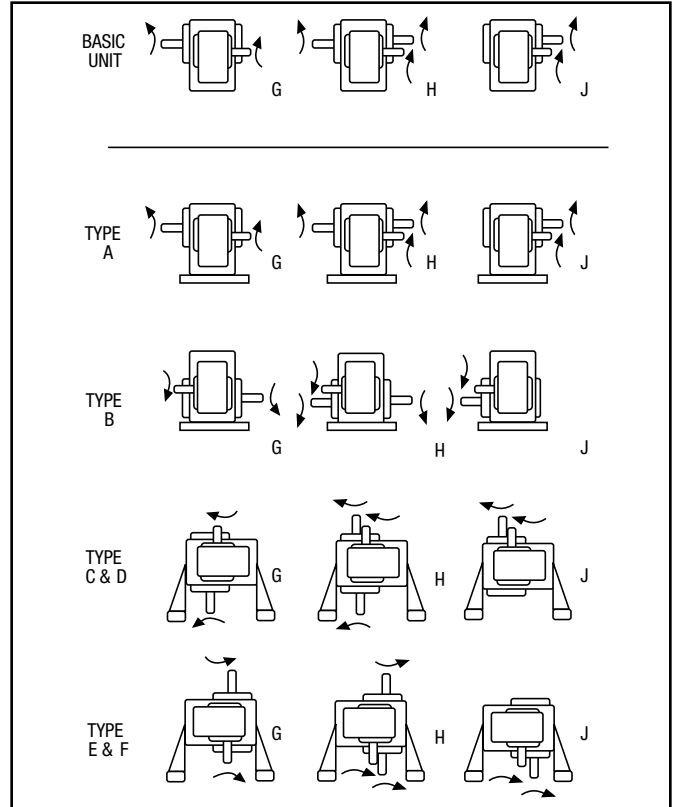
Types “C” and “E” are vertical high bases and types “D” and “F” are vertical low bases.

Basic models and separate base kits are supplied unless otherwise specified. Assembly “H” available at a slight additional charge.

See Page 70 for complete ordering instructions.

Input may rotate clockwise or counter clockwise. Arrows indicate relative rotation.

FOR OTHER CONFIGURATIONS NOT SHOWN, CONTACT FACTORY.



Mounting Positions – WA – HWA – SWA 700 Series

Standard assemblies are for Position 1. The design permits any types of assembly to be mounted in any position shown by the proper location of the vented oil filler, level and drain plugs, at the time of installation.

For other than Position 1, order standard and relocate vented oil filler, level and drain plug.

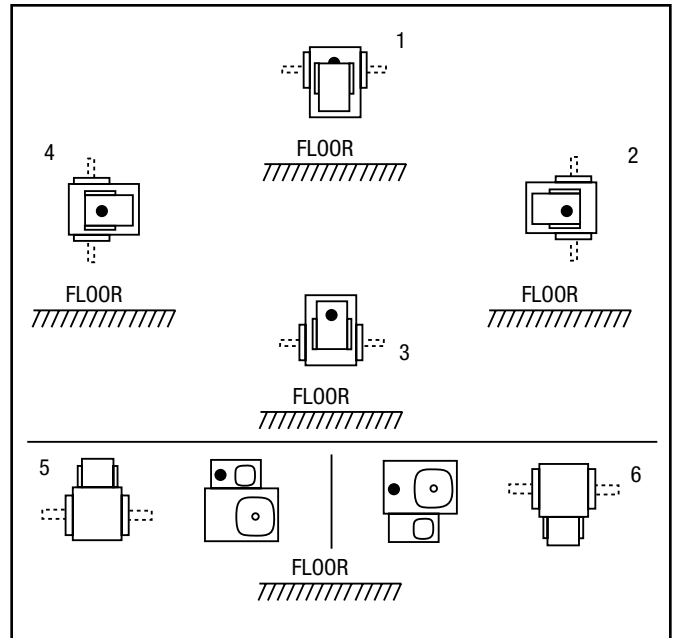
Vented oil filler plug must be located in the uppermost position.

For all mounting positions where the vented filler plug is located in a horizontal plane, the vent hole must point upward.

For all mounting positions where the vented filler plug is located in a vertical plane, the vent hole must point toward center of housing.

For production orders Boston Gear will assemble units for the specified mounting position desired at no additional charge.

WARNING: The lubricant will flow between the large gearbox and the small gearbox. When filling with oil, make sure both gearboxes are full to the correct/same level. It is strongly recommended the oil level in each gearbox is verified after a short run.



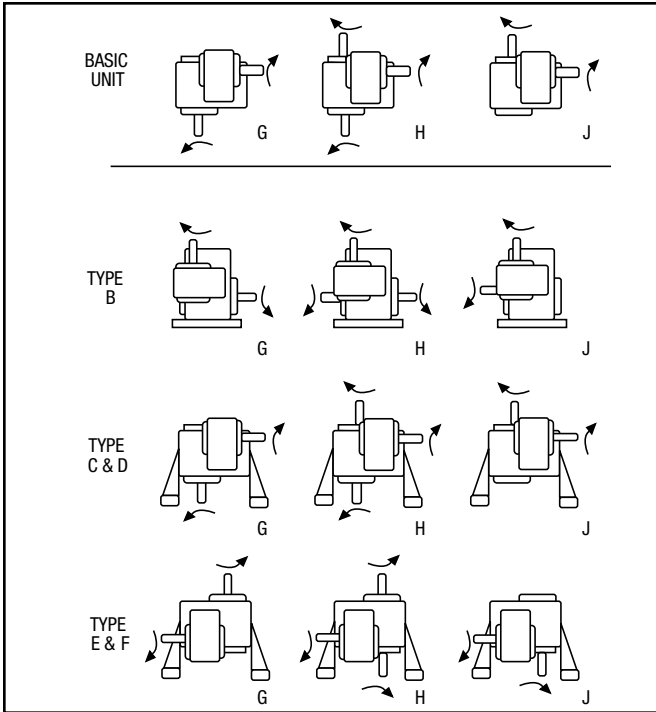
• Indicates proper oil level.

CAUTION

When ordering speed reducers pre-lubricated, the Mounting Position must be indicated to ensure proper oil level.

B

Non-Flanged Reducer Assemblies and Mounting Positions



Assemblies—WC700 Series

Standard assemblies define output shaft (slow speed) projection with respect to input shaft (high speed) and mounting surfaces.

Types “B” is a horizontal base.

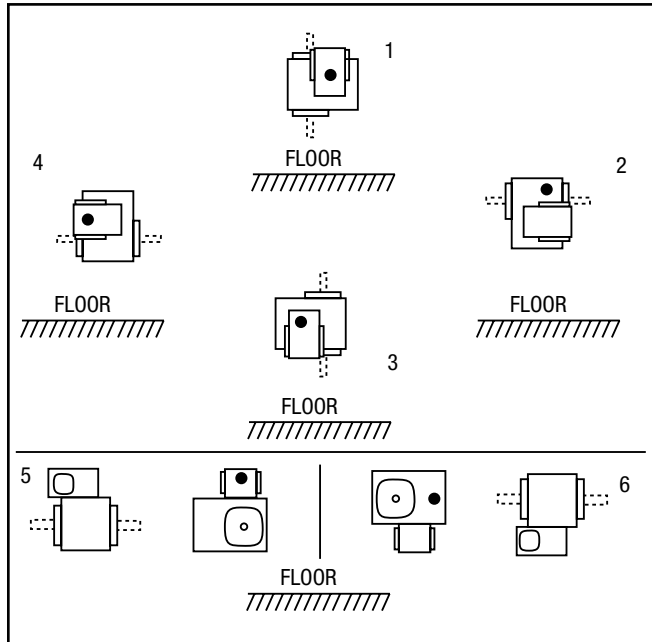
Types “C” and “E” are vertical high bases and types “D” and “F” are vertical low bases.

Basic models and separate base kits are supplied unless otherwise specified. Assembly “H” available at a slight additional charge.

See Page 70 for complete ordering instructions.

Input may rotate clockwise or counter clockwise. Arrows indicate relative rotation.

FOR OTHER CONFIGURATIONS NOT SHOWN, CONTACT FACTORY.



• Indicates proper oil level.

CAUTION

When ordering speed reducers pre-lubricated, the Mounting Position must be indicated to ensure proper oil level.

Mounting Positions – WC – HWC – SWC 700 Series

Standard assemblies are for Position 1. The design permits any types of assembly to be mounted in any position shown by the proper location of the vented oil filler, level and drain plugs, at the time of installation.

For other than Position 1, order standard and relocate vented oil filler, level and drain plug.

Vented oil filler plug must be located in the uppermost position.

For all mounting positions where the vented filler plug is located in a horizontal plane, the vent hole must point upward.

For all mounting positions where the vented filler plug is located in a vertical plane, the vent hole must point toward center of housing.

For production orders Boston Gear will assemble units for the specified mounting position desired at no additional charge.

WARNING: The lubricant will flow between the large gearbox and the small gearbox. When filling with oil, make sure both gearboxes are full to the correct/same level. It is strongly recommended the oil level in each gearbox is verified after a short run.

700 Series Recommended Lubricants

The following table indicates the types and viscosity of lubricants suitable for reducers operating at various temperatures.

Lubrication and maintenance instructions are provided with each speed reducer. These instructions should be followed for best results. It is important that the correct types of oil be used since many oils are not suitable for the lubrication of gears. Various types of gearing require different types of lubricants.

The lubricant must remain free from oxidation and contamination by water or debris, since only a very thin film of oil stands between efficient operation and failure. To assure long service life, the reducer should be periodically drained (preferably while warm) and refilled to the proper level with a recommended gear oil.

Under normal environmental conditions oil changes are suggested after the initial 250 hours of operation and thereafter at regular intervals of 2500 hours or every 6 months.

Synthetic lubricants will allow extended lubrication intervals due to its increased resistance to thermal and oxidation degradation. It is suggested that the initial oil change be made at 1500 hours and, thereafter, at 5000 hour intervals.

During the initial period of operation, higher than normal operating temperatures may be seen. This is due to the initial break-in of the gear set. The temperature of Single Reduction Worm Gear Reducers may reach approximately 225°F.

ENCLOSED WORM GEAR REDUCERS

Ambient (Room) Temperature	Recommended Oil (or equivalent)	Viscosity Range SUS @ 100°F	Oil Type	ISO Viscosity Grade No.†
-20° to 225°F** (-29° to 107°C)	Klubersynth UH1 6-460* Synthetic	1950/2500	PAG	460
-30° to 225°F** (-34° to 107°C)	"Mobil SHC634 Synthetic"	1950/2500	PAO	320/460

WORM GEAR LUBRICANT AVAILABLE FROM BOSTON GEAR

TYPES	Klubersynth UH1 6-460	Mobil SHC634
SIZE	QUART	QUART
ITEM CODE	65159	51493

CAUTION: Relubricate more frequently if drive is operated in high ambient temperatures or unusually contaminated atmosphere. High loads and operating temperatures will also require more frequent lubrication.

* Synthetic recommendation is exclusively for Klubersynth UH1 6-460.

† Other lubricants corresponding to AGMA/ISO numbers are available from all major oil companies. See Page 135 for lubricant interchange.

** The Klubersynth UH1 6-460 lubricant will perform at temperatures considerably higher than 225°F. However, the factory should always be consulted prior to operating at higher temperatures as damage may occur to oil seals and other components.

Mounting Positions For Double Reduction Models Only

The variety of mounting possibilities for double-reduction drives makes it impractical to illustrate positions for these models. In general, the vent filler is at the uppermost plug position, and the drain plug at the lowest possible position. The oil level must be at the approximate centerline of the uppermost gear, with the lower box completely full.

The first and second reduction housings are open to one another allowing free flow of lubricant. Levels should be checked frequently on new installation to assure proper levels are maintained.

WARNING: The lubricant will flow between the large gearbox and the small gearbox. When filling with oil, make sure both gearboxes are full to the correct/same level. It is strongly recommended the oil level in each gearbox is verified after a short run.

WARNING: Different oil types should not be mixed. For example Klubersynth UH1 6-460 is not compatible with Mobil SHC634.

B

700 Series Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio#	Non-Flanged Reducers				Gearmotor							Bore Code	Motors**	
		Gear Capacity			Size*	Ratings			Available Style†					Cat. Nos.	
		Output Torque (lb.in.)	HP			Motor HP	Output Torque (lb.in.)	Service Class	F	OC	HF	SF		HQC	230/460 VAC 3 Phase 60 Hz
			Input	Output											
17.5	100 TO 1	275	.16	.076	W713-100	1/6 1/6	275 275	I I						B4 B5	
		570	.23	.16	W718-100	1/4 1/4 1/6 1/6	570 570 414 414	I I II II						B4 B5 B4 B5	ADUTF DUTF ACUT CUTF
		910	.41	.25	W721-100	1/2 1/3 1/4 1/6	910 750 585 390	I II II III						B5 B5 B5 B5	FUTF EUTF DUTF CUTF
		1785	.75	.50	W726-100	3/4 1/2 1/3	1785 1206 804	I II III						B5 B5 B5	GUTF FUTF EUTF
		3250	1.24	.90	W730-100	1 3/4 1/2	2844 2138 1426	I II III						B5 B5 B5	HUTF-5/8 GUTF FUTF
		3450	1.33	.96	W732-100	1-1/2 1 3/4	3450 2592 1944	I II III						B7 B5 B5	JUTF HUTF-5/8 GUTF
		4910	1.84	1.36	W738-100	2 1-1/2 1	4910 3995 2664	I II III						B7 B7 B7	KUTF JUTF HUTF
		8000	2.97	2.22	W752-100	3 2 1-1/2	8000 5400 4050	I II III						B9 B7 B7	LUTF KUTF JUTF
		16500	5.75	4.58	W760-100	5 3	14200 8500	I III						B9 B9	MUTF LUTF
11.7	150 TO 1	280	.13	.052	W713-150	1/6 1/6	280 280	I I						B4 B5	ACUT CUTF
		580	.23	.11	W718-150	1/4 1/4 1/6 1/6	580 580 433 433	I I II II						B4 B5 B4 B5	ADUTF DUTF ACUT CUTF
		940	.30	.17	W721-150	1/3 1/4 1/6	940 770 513	I II III						B5 B5 B5	EUTF DUTF CUTF
		1840	.56	.34	W726-150	3/4 1/2 1/3 1/4	1840 1647 1095 823	I I II III						B5 B5 B5 B5	GUTF FUTF EUTF DUTF
		3523	.98	.65	W730-150	3/4 1/2	2592 1728	II III						B5 B5	GUTF FUTF
		3600	1.00	.67	W732-150	1 3/4 1/2	3600 2713 1800	I II III						B5 B5 B5	HUTF-5/8 GUTF FUTF

* Add "A" (for PARALLEL SHAFTS) or "C" (for RIGHT ANGLE SHAFTS) after "W" in Model Numbers. See Numbering System, Page 70.

** Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see Pages 337 and 340.

† Shaded areas denote which styles are available for a given center distance and ratio.

Other ratios available. Contact factory for information.



700 Series Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio#	Non-Flanged Reducers				Gearmotor						Bore Code	Motors**			
		Gear Capacity		Size*	Ratings			Available Styles†					Cat. Nos.			
		Output Torque (lb.in.)	HP		Motor HP	Output Torque (lb.in.)	Service Class	L	OC	HF	SF		HQC	230/460 VAC 3 Phase 60 Hz		
			Input												Output	
11.7	150 TO 1	5100	1.35	.94	W738-150	1-1/2 1 3/4	5100 3725 2974	I II III								B7 B7 B5
		11750	2.99	2.18	W752-150	3 2 1-1/2	11750 7884 5913	I II III							B9 B7 B7	LUTF KUTF JUTF
		17000	4.22	3.15	W760-150	5 3 2	17000 11200 7992	I II III							B9 B9 B9	MUTF LUTF KUTF
8.8	200 TO 1	320	.12	.045	W713-200	1/6 1/6	320 320	I I							B4 B5	ACUT CUTF
		660	.19	.09	W718-200	1/4 1/4	660 660	I I							B4 B5	ADUTF DUTF
		990	.25	.14	W721-200	1/4 1/6	990 720	I II							B5 B5	DUTF CUTF
		1875	.47	.26	W726-200	1/2 1/3 1/4	1875 1440 1080	I II III							B5 B5 B5	FUTF EUTF DUTF
		3477	.76	.48	W730-200	3/4 1/2 1/4	3402 2268 1134	I III III							B5 B5 B5	GUTF FUTF DUTF
		3800	.81	.53	W732-200	3/4 1/2 1/3	3510 2340 1560	I II III							B5 B5 B5	GUTF FUTF EUTF
		5500	1.14	.77	W738-200	1 3/4 1/2	4824 3618 2412	I II III							B5 B5 B5	HUTF-5/8 GUTF FUTF
		12250	2.40	1.70	W752-200	3 2 1	12250 10080 5040	I II III							B9 B7 B5	LUTF KUTF HUTF-5/8
		18000	3.43	2.50	W760-200	5 3 2 1-1/2	18000 15768 10512 7884	I I II III							B9 B9 B7 B7	MUTF LUTF KUTF JUTF
5.8	300 TO 1	335	.10	.031	W713-300	1/6 1/6	335 335	I I							B4 B5	ACUT CUTF
		690	.16	.063	W718-300	1/6 1/6	690 690	I I							B4 B5	ACUT CUTF
		1025	.20	.094	W721-300	1/4 1/6	1025 900	I I							B5 B5	DUTF CUTF
		1950	.37	.18	W726-300	1/3 1/4 1/6	1800 1350 900	I II III							B5 B5 B5	EUTF DUTF CUTF
		3612	.57	.33	W730-300	1/2 1/3 1/4	3132 2088 1566	I II III							B5 B5 B5	FUTF EUTF DUTF
		3950	.61	.36	W732-300	3/4 1/2 1/3	3950 2700 1800	I II III							B5 B5 B5	GUTF FUTF EUTF

* Add "A" (for PARALLEL SHAFTS) or "C" (for RIGHT ANGLE SHAFTS) after "W" in Model Numbers. See Numbering System, Page 70.

** Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see Pages 337 and 340.

† Shaded areas denote which styles are available for a given center distance and ratio.

Other ratios available. Contact factory for information.

700 Series Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio#	Non-Flanged Reducers				Gearmotor						Bore Code	Motors**			
		Gear Capacity			Size*	Ratings			Available Styles†					Cat. Nos.		
		Output Torque (lb.in.)	HP			Motor HP	Output Torque (lb.in.)	Service Class	F	OC	HF		SF	HQC	230/460 VAC 3 Phase 60 Hz	
			Input	Output												
5.8	300 TO 1	5800	.84	.53	W738-300	1 3/4 1/2	5800 4050 2700	I II III						B5 B5 B5	HUTF-5/8 GUTF FUTF	
		12500	1.72	1.15	W752-300	2 1-1/2 1	12500 10850 7236	I II III						B7 B7 B5	KUTF JUTF HUTF-5/8	
		18500	2.45	1.70	W760-300	3 2 1-1/2 1	18500 14904 11180 7452	I II II III						B9 B7 B7 B5	LUTF KUTF JUTF HUTF	
4.4	400 TO 1	330	.089	.023	W713-400	1/6 1/6	330 330	I I						B4 B5	ACUT CUTF	
		690	.12	.048	W718-400	1/6 1/6	360 360	II II						B4 B5	ACUT CUTF	
		1025	.17	.071	W721-400	1/6	984	I						B5	CUTF	
		1950	.31	.14	W726-400	1/4 1/6	1620 1080	I III						B5 B5	DUTF CUTF	
		3602	.40	.25	W730-400	1/3 1/4 1/6	2856 2142 1428	I II III						B5 B5 B5	EUTF DUTF CUTF	
		3900	.48	.27	W732-400	1/2 1/3 1/4	3900 2688 2016	I II III						B5 B5 B5	FUTF EUTF DUTF	
		5700	.66	.40	W738-400	3/4 1/2 1/3	5700 4320 2880	I II III						B5 B5 B5	GUTF FUTF EUTF	
		12600	1.39	.88	W752-400	1-1/2 1 3/4	12610 9072 6804	I II III						B7 B5 B5	JUTF HUTF-5/8 GUTF	
		18430	1.94	1.29	W760-400	2 1-1/2 1	18430 13824 9216	I II II						B7 B7 B7	KUTF JUTF HUTF	
2.9	600 TO 1	340	.081	.016	W713-600	1/6 1/6	340 340	I I						B4 B5	ACUT CUTF	
		710	.095	.032	W718-600	1/6 1/6	710 710	I I						B4 B5	ACUT CUTF	
		1025	.13	.047	W721-600	1/6	1025	I						B5	CUTF	
		2000	.25	.092	W726-600	1/4 1/6	2000 1332	I II						B5 B5	DUTF CUTF	
		3717	.32	.17	W730-600	1/4 1/6	2862 1908	II III						B5 B5	DUTF EUTF	
		4025	.36	.18	W732-600	1/3 1/4 1/6	3600 2700 1800	I II III						B5 B5 B5	EUTF DUTF CUTF	

* Add "A" (for PARALLEL SHAFTS) or "C" (for RIGHT ANGLE SHAFTS) after "W" in Model Numbers. See Numbering System, Page 70.

** Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see Pages 337 and 340.

† Shaded areas denote which styles are available for a given center distance and ratio.

Other ratios available. Contact factory for information.



700 Series Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio#	Non-Flanged Reducers				Gearmotor						Bore Code	Motors**		
		Gear Capacity		Size*	Ratings			Available Styles†			Cat. Nos.				
		Output Torque (lb.in.)	HP		Motor HP	Output Torque (lb.in.)	Service Class	L	OC	HF	SF		HQC	230/460 VAC 3 Phase 60 Hz	
			Input												Output
2.9	600 TO 1	5900	.49	.27	W738-600	1/2 1/3 1/4	5900 3960 2970	I II III						B5 B5 B5	FUTF EUTF DUTF
		13000	1.00	.60	W752-600	1 3/4 1/2	13000 9720 6480	I II III						B5 B5 B5	HUTF-5/8 GUTF FUTF
		19000	1.40	.88	W760-600	1-1/2 1 3/4	19000 13608 10206	I II III						B7 B7 B7	JUTF HUTF GUTF
1.9	900 TO 1	340	.071	.010	W713-900	1/6 1/6	340 340	I I						B4 B5	ACUT CUTF
		710	.079	.021	W718-900	1/6 1/6	710 710	I I						B4 B5	ACUT CUTF
		1050	.11	.032	W721-900	1/6	1050	I						B5	CUTF
		2000	.21	.06	W726-900	1/6	2000	I						B5	CUTF
		3752	.23	.11	W730-900	1/6	2700	II						B5	CUTF
		4025	.28	.12	W732-900	1/4 1/6	3483 2322	I III						B5 B5	DUTF CUTF
		5900	.37	.18	W738-900	1/2 1/3 1/4 1/6	5900 5292 3969 2646	I I II III						B5 B5 B5 B5	FUTF EUTF DUTF CUTF
		13000	.74	.40	W752-900	3/4 1/2 1/3	13000 8748 5832	I II III						B5 B5 B5	GUTF FUTF EUTF
		19000	1.00	.59	W760-900	1 3/4 1/2	19000 14337 9558	I II III						B5 B5 B5	HUTF-5/8 GUTF FUTF
1.5	1200 TO 1	330	.068	.008	W713-1200	1/6 1/6	330 330	I I						B4 B5	ACUT CUTF
		690	.071	.016	W718-1200	1/6 1/6	690 690	I I						B4 B5	ACUT CUTF
		1025	.10	.024	W721-1200	1/6	1025	I						B5	CUTF
		1950	.19	.045	W726-1200	1/6	1728	I						B5	CUTF
		3650	.19	.084	W730-1200	1/6	3168	I						B5	CUTF
		3900	.23	.092	W732-1200	1/4 1/6	3900 2880	I II						B5 B5	DUTF CUTF
		5700	.31	.13	W738-1200	1/3 1/4 1/6	5700 4536 3024	I II III						B5 B5 B5	EUT DUTF CUTF
		12610	.62	.29	W752-1200	3/4 1/2 1/3	12610 10152 6768	I II III						B5 B5 B5	GUTF FUTF EUTF

* Add "A" (for PARALLEL SHAFTS) or "C" (for RIGHT ANGLE SHAFTS) after "W" in Model Numbers. See Numbering System, Page 70.

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Other ratios available. Contact factory for information.

700 Series Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio#	Non-Flanged Reducers				Gearmotor						Bore Code	Motors**		
		Gear Capacity			Size*	Ratings			Available Styles†				Cat. Nos.		
		Output Torque (lb.in.)	HP			Motor HP	Output Torque (lb.in.)	Service Class	F	QC	HF			SF	HQC
			Input	Output											
1.5	1200 TO 1	18430	.81	.43	W760-1200	1 3/4 1/2 1/3	18430 17172 11448 7632	I II II III						B5 B5 B5 B5	HUTF-5/8 GUTF FUTF EUTF
.97	1800 to 1	900	.082	.013	W721-1800	1/6	900	I						B5	CUTF
		1775	.16	.027	W726-1800	1/6	1775	I						B5	CUTF
		3650	.14	.056	W730-1800	1/6	2880	II						B5	CUTF
		3750	.19	.058	W732-1800	1/6	3240	I						B5	CUTF
		5400	.24	.083	W738-1800	1/4 1/6	5400 3672	I II						B5 B5	DUTF CUTF
		11760	.47	.18	W752-1800	1/2 1/3 1/4	11760 8208 6156	I II III						B5 B5 B5	FUTF EUTF DUTF
		17280	.59	.27	W760-1800	1/2 1/3	14900 9936	I III						B5 B5	FUTF EUTF
.88	2000 TO 1	590	.052	.008	W718-2000	1/6	590	I						B4 B5	ACUT CUTF
		1940	.16	.027	W726-2000	1/6	1940	I						B5	CUTF
		3600	.13	.055	W730-2000	1/6	3243	I						B5	CUTF
		3880	.22	.054	W732-2000	1/6	3600	I						B5	CUTF
		12610	.50	.18	W752-2000	1/2 1/3 1/4	12610 8810 5985	I II III						B5 B5 B5	FUTF EUTF DUTF
		18430	.66	.26	W760-2000	1/2	14400	II						B5	FUTF
.73	2400 TO 1	900	.053	.010	W721-2400	1/6	900	I						B5	CUTF
		3600	.11	.042	W730-2400	1/6	3128	I						B5	CUTF
		5725	.22	.066	W738-2400	1/4 1/6	5725 4320	I II						B5 B5	DUTF CUTF
.58	3000 TO 1	1868	.05	.017	W726-3000	1/6	1800	I						B5	CUTF
		3500	.092	.033	W730-3000	1/6	3135	I						B5	CUTF
		3750	.14	.035	W732-3000	1/6	3750	I						B5	CUTF
	11760	.34	.11	W752-3000	1/3	11760	I							B5	EUTF
					1/4	8640	II						B5	DUTF	
1/6	5760	III							B5	CUTF					
17280	.41	.16	W760-3000	1/2	17280	I							B5	FUTF	
				1/3	12270	II					B5	EUTF			
				1/4	8640	III					B5	DUTF			
.49	3600 TO 1	3400	.082	.026	W730-3600	1/6	3140	I					B5	CUTF	
		5400	.17	.041	W738-3600	1/6	5400	I						B5	CUTF

* Add "A" (for PARALLEL SHAFTS) or "C" (for RIGHT ANGLE SHAFTS) after "W" in Model Numbers. See Numbering System, Page 70.

** Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see Pages 337 and 340.

† Shaded areas denote which styles are available for a given center distance and ratio.

Other ratios available. Contact factory for information.



700 Series Double Reduction Flanged Reducer Dimensions

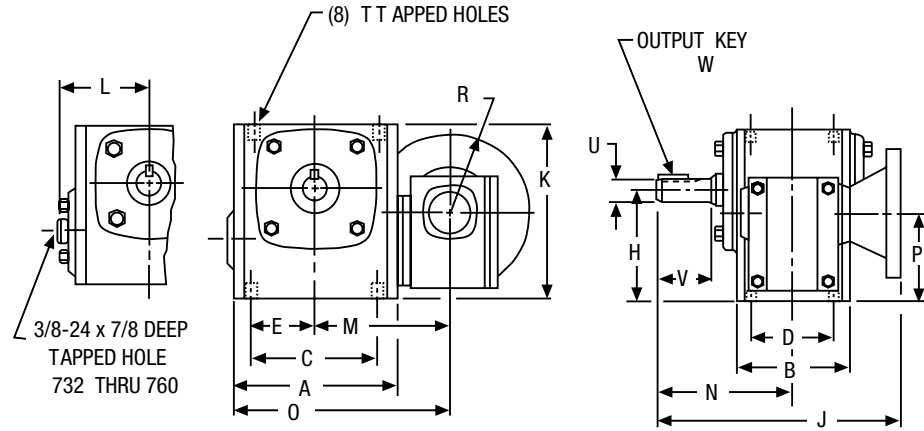
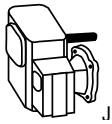
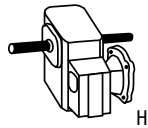
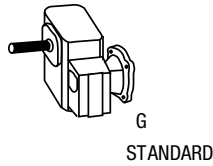
FWA700/QCWA700 Series Flanged Quill/Flanged Coupling Types

Basic Models (No Base); Parallel Shafts

FOR ORDERING INFORMATION, see Page 56.

FOR RATING INFORMATION, See Pages 71, 77-81.

ASSEMBLY
TYPES*



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	H	J-NEMA Mounting						K	L	M	N	O
							FWA700			QCWA700							
							42CZ	56C 140TC	180TC 210C	42CZ	56C 140TC	180TC 210C					
713	4.25	2.88	3.25	2.00	1.63	2.94	7.16	7.97	—	7.63	8.59	—	4.66	—	3.75	4.00	5.88
718	5.50	3.69	4.19	2.75	2.09	3.69	7.47	8.28	—	7.83	8.79	—	5.75	—	4.44	4.31	7.19
721	6.00	3.81	5.00	2.88	2.50	4.09	—	8.66	—	—	10.73	—	6.38	—	4.94	4.69	7.94
726	7.38	4.44	6.38	3.38	3.19	5.06	—	9.60	—	—	10.14	—	8.00	—	5.66	5.63	9.35
730	8.12	5.25	7.00	4.00	3.50	5.63	—	11.44	—	—	12.20	—	8.88	—	6.12	6.75	10.18
732	9.00	5.88	7.50	4.00	3.75	5.88	—	11.75	—	—	12.51	—	9.38	4.94	6.48	7.06	11.00
738	10.00	6.38	8.50	4.75	4.25	6.56	—	12.81	—	—	13.48	—	10.44	5.50	7.27	7.75	12.27
752	13.13	7.38	11.00	5.81	5.50	8.44	—	14.81	15.25	—	16.45	17.37	13.75	7.19	9.28	9.06	15.84
760	14.50	8.13	12.75	6.38	6.38	10.00	—	—	—	—	18.20	19.13	16.50	7.94	9.56	10.00	16.81

Size	P	R-NEMA Mounting			T		Low Speed Shaft				Approx. Weight (Lbs.)		Horizontal Base Kit No. †
		42CZ	56C 140TC	180TC	Tap Size	Depth	U +.000 -.001	V	W-Key		FWA	QCWA	
									Sq.	Length			
713	2.59	2.16	3.31	—	5/16-18	.50	.625	2.00	3/16	1	16	18	56577
718	2.94	2.16	3.31	—	5/16-18	.50	.875	1.78	3/16	1	27	30	56585
721	3.38	—	3.31	—	3/8-16	.56	1.000	2.09	1/4	1-1/4	37	39	56440
726	3.78	—	3.31	—	3/8-16	.56	1.125	2.62	1/4	1-15/16	62	62	56595
730	4.38	—	3.31	—	7/16-14	.88	1.250	3.25	1/4	2-1/4	85	91	65544
732	4.38	—	3.31	—	7/16-14	.66	1.375	3.25	5/16	2-7/16	104	119	56599
738	4.88	—	3.31	—	1/2-13	.75	1.625	3.50	3/8	2-1/4	142	158	56603
752	5.88	—	3.31	4.63	5/8-11	1.00	2.000	4.16	1/2	2-15/16	247	267	56607
760	7.25	—	3.31	4.63	5/8-11	1.00	2.250	4.56	1/2	3-3/8	—	340	56610

* See Assemblies and Mounting Positions, Page 72.

† For Base Kits, see Page 129.

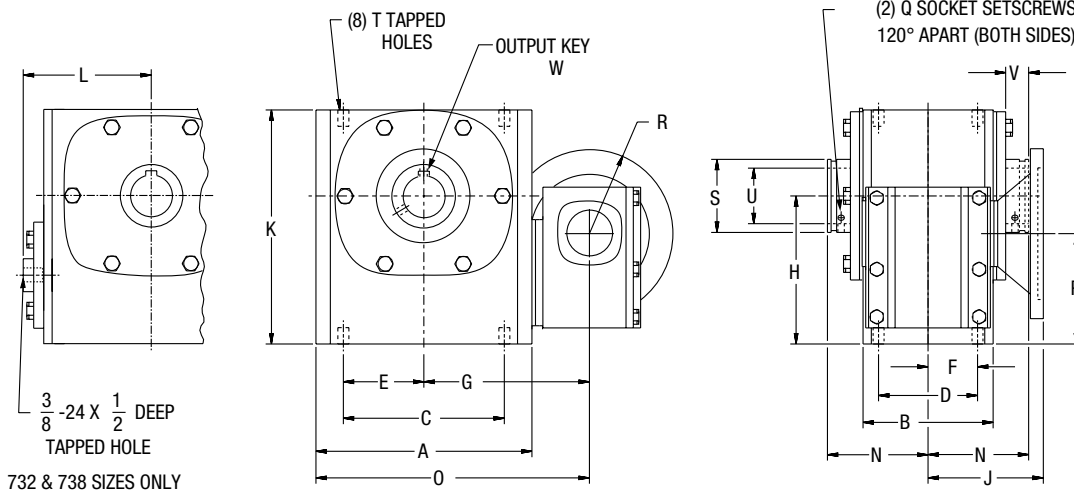
Note: For base dimensions see Single Reduction Flanged Reducer Dimension pages.

700 Series Double Reduction Flanged Reducer Dimensions

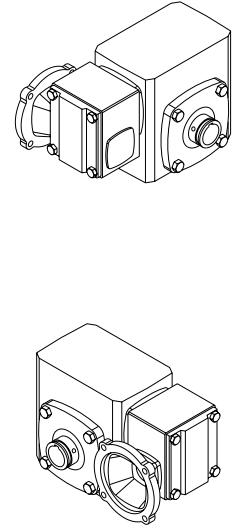
HFWA700/HQCWA700 Series Flanged Quill/Flanged Coupling Types Basic Models (No Base); Parallel Shafts; Bored to Size Hollow Output

FOR ORDERING INFORMATION, see Page 56.

FOR RATING INFORMATION, See Pages 71, 77-81.



ASSEMBLY TYPES*



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H	J-NEMA Mounting				K	L	N
									FWA700		QCWA700				
									42CZ	56C 140TC	42CZ	56C 140TC			
713	4.25	2.88	3.25	2.00	1.63	1.00	3.75	2.94	3.16	3.94	4.15	5.01	4.66	—	2.50
718	5.50	3.69	4.19	2.75	2.09	1.38	4.44	3.69	3.16	3.94	4.15	5.01	5.75	—	3.03
721	6.00	3.81	5.00	2.88	2.50	1.44	4.94	4.09	—	3.94	—	5.46	6.38	—	3.22
726	7.38	4.44	6.38	3.38	3.19	1.69	5.66	5.06	—	3.94	—	5.46	8.00	—	3.44
730	8.12	5.25	7.00	4.00	3.50	2.00	6.12	5.63	—	4.69	—	6.29	8.88	—	4.19
732	9.00	5.88	7.50	4.00	3.75	2.00	6.48	5.88	—	4.69	—	6.29	9.38	4.94	4.31
738	10.00	6.38	8.50	4.75	4.25	2.38	7.27	6.56	—	5.06	—	6.76	10.44	5.50	4.81

Size	O	P	Q	R-NEMA Mounting			T		Low Speed Shaft			Approx. Weight (LBS.)		
				42CZ	56C 140TC	S	Tap Size	Depth	Max U +.0015 -0.0000	V	W-Key		HFWA	HQCWA
											Sq.	Length		
713	5.88	2.59	#10-32	2.16	3.31	.88	5/16-18	.50	.625	.68		17	19	
718	7.19	2.94	#10-32	2.16	3.31	1.38	5/16-18	.50	1.000	.74		27	31	
721	7.94	3.38	1/4-28	—	3.31	1.94	3/8-16	.56	1.4375	.87	See Page	37	39	
726	9.35	3.78	5/16-24	—	3.31	2.50	3/8-16	.56	1.9375	.78	128 For	60	67	
730	10.18	4.38	5/16-24	—	3.31	2.88	7/16-14	.88	2.1875	1.11	Key Information	82	95	
732	11.00	4.38	5/16-24	—	3.31	2.88	7/16-14	.66	2.1875	.93		104	121	
738	12.27	4.88	5/16-24	—	3.31	3.25	1/2-13	.75	2.4375	1.11		149	166	

* See Assemblies and Mounting Positions, Page 72.

Input may be rotated clockwise or counterclockwise.

Note: For base dimensions see Single Reduction Flanged Reducer Dimension pages. See Page 128 for available bore sizes.

700 Series Double Reduction Flanged Reducer Dimensions

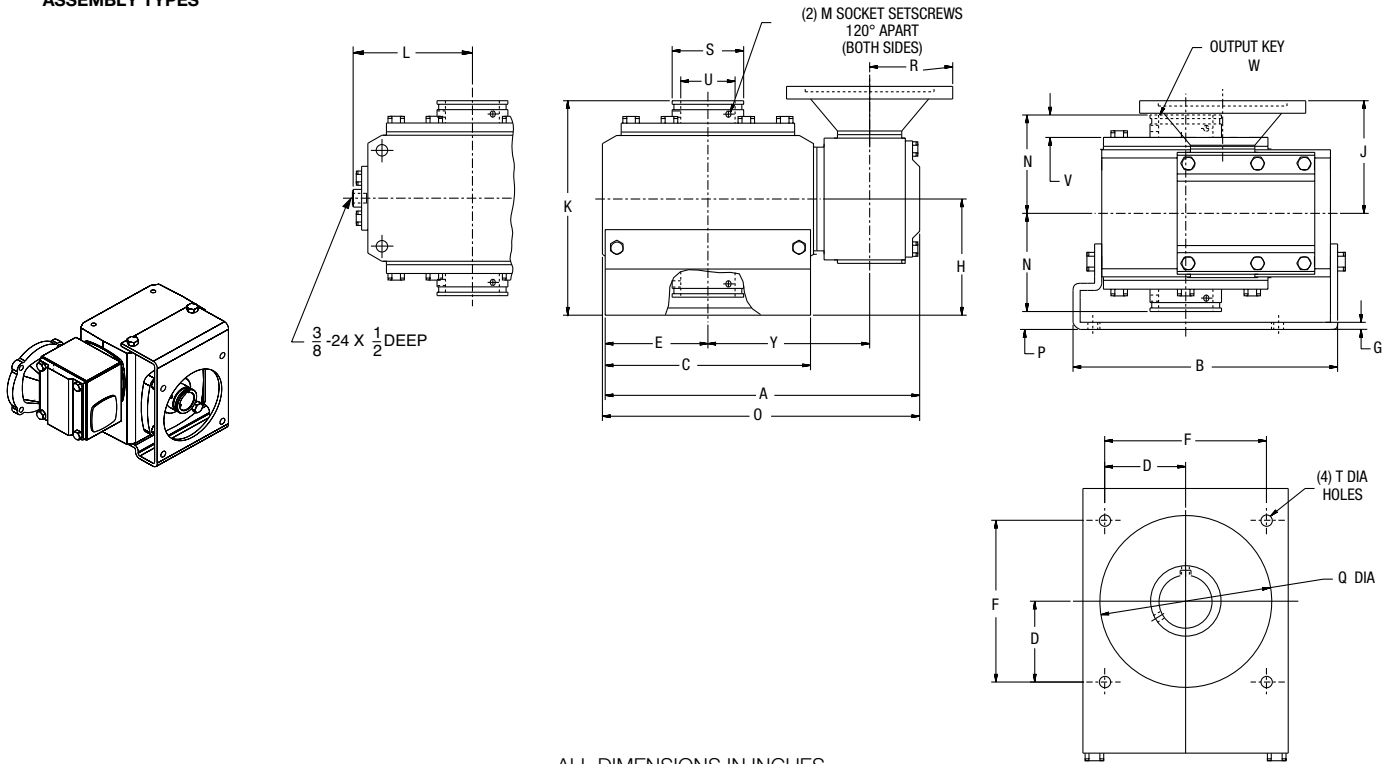
HFWA700/HQCWA700 Series Flanged Quill/Flanged Coupling Types

R Position Mounting Bracket; Parallel Shafts; Bored to Size Hollow Output

FOR ORDERING INFORMATION, see Page 56.

FOR RATING INFORMATION, See Pages 71, 77-81.

ASSEMBLY TYPES*



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H	J-NEMA Mounting				K	L	M	N
									HFWA700		HQCWA700					
									42CZ	56C 140TC	42CZ	56C 140TC				
713	7.40	5.55	4.25	1.77	2.12	3.54	.19	3.00	3.16	3.94	4.15	5.01	5.50	—	#10-32	2.50
718	8.38	6.66	4.81	2.08	2.41	4.16	.19	3.50	3.16	3.94	4.15	5.01	6.53	—	#10-32	3.03
721	9.57	7.47	5.75	2.30	2.88	4.60	.19	3.75	—	3.94	—	5.46	6.97	—	1/4-28	3.22
726	11.00	9.25	7.18	2.83	3.59	5.66	.25	4.06	—	3.94	—	5.46	7.50	—	5/16-24	3.44
730	12.39	10.38	8.00	3.18	4.00	6.36	.25	4.50	—	4.69	—	6.29	8.69	—	5/16-24	4.19
732	13.44	10.91	8.50	3.54	4.25	7.08	.25	5.25	—	4.69	—	6.29	9.56	4.94	5/16-24	4.31
738	14.91	11.84	9.50	4.06	4.75	8.12	.25	5.47	—	5.06	—	6.76	10.28	5.50	5/16-24	4.81

Size	O	P	Q	R-NEMA Mounting		S	T Holes	Low Speed Shaft				Y	Approx. Weight (LBS.)	
				42CZ	56C 140TC			Max U +.0015 -0.0000	V	W-Key			HFWA	HQCWA
										Size	Length			
713	7.41	.50	3.62	2.16	3.31	.88	11/32	.625	.68			3.75	18	20
718	8.72	.47	4.06	2.16	3.31	1.38	11/32	1.000	.74			4.44	30	36
721	9.69	.53	4.50	—	3.31	1.94	13/32	1.4375	.87	See Page		4.94	42	47
726	11.09	.62	6.00	—	3.31	2.50	13/32	1.9375	.78	128 For		5.66	56	80
730	12.45	.31	7.00	—	3.31	2.88	13/32	2.1875	1.10	Key Information		6.12	95	116
732	13.69	.94	7.00	—	3.31	2.88	9/16	2.1875	.93			6.48	134	151
738	15.16	.66	8.00	—	3.31	3.25	9/16	2.4375	1.11			7.27	178	200

* See Assemblies and Mounting Positions, Page 72.

See Page 128 for available bore sizes.

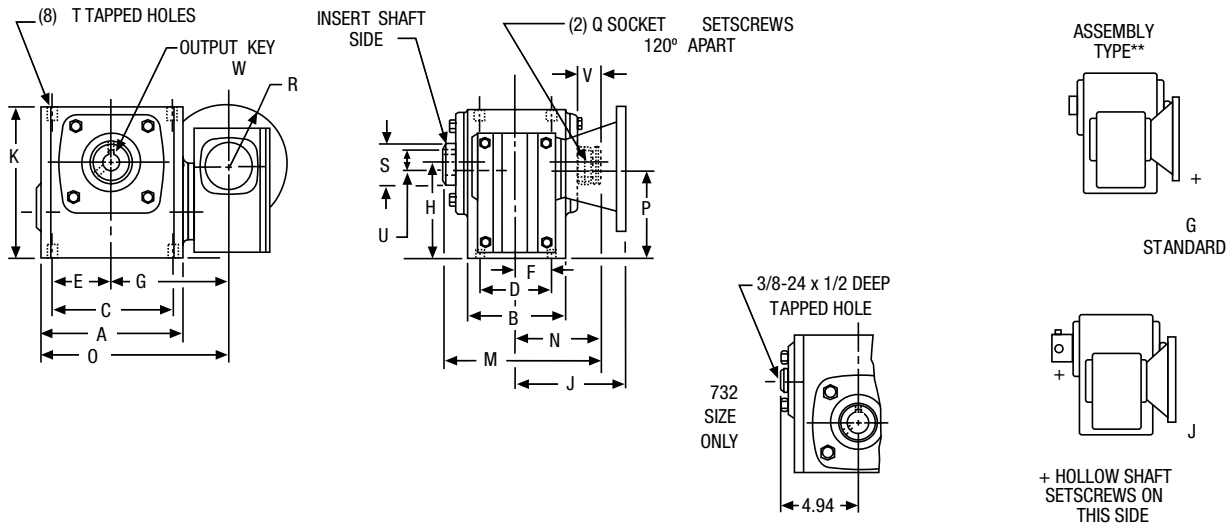
Input may be rotated clockwise or counterclockwise.

700 Series Double Reduction Flanged Reducer Dimensions

SFWA700 Series Flanged Quill Type Basic Models (No Base); Parallel Shafts; Hollow Output

FOR ORDERING INFORMATION, see Page 56.

FOR ADDITIONAL SIZES, See the H Series Pages 88-89.
FOR RATING INFORMATION, See Pages 71, 77-81.



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H	J-NEMA Mounting		K	M	N
									SFWA				
									42CZ	56C 140TC			
718	5.50	3.69	4.19	2.75	2.09	1.38	4.44	3.69	3.16	3.94	5.75	5.47	3.09
721	6.00	3.81	5.00	2.88	2.50	1.44	4.94	4.09	—	3.94	6.38	5.69	3.22
726	7.38	4.44	6.38	3.38	3.19	1.69	5.66	5.06	—	3.94	8.00	6.28	3.50
732	9.00	5.88	7.50	4.00	3.75	2.00	6.48	5.88	—	4.69	9.38	7.88	4.38

Size	O	P	Q	R-NEMA Mounting		S	T		Low Speed Shaft			Approx. Weight (LBS.)
				42CZ	56C 140TC		Tap Size	Depth	U +.0015 -.000	V	W-Key	
				Sq.	Length						SFWA	
718	7.19	2.94	#10-32	2.16	3.31	1.38	5/16-18	.50	1.000	.78	See Page	26
721	7.94	3.38	1/4-28	—	3.31	1.50	3/8-16	.56	1.125	.88	128 For	35
726	9.34	3.78	1/4-28	—	3.31	2.16	3/8-16	.56	1.4375	.84	Key Information	57
732	11.00	4.38	5/16-24	—	3.31	2.56	7/16-14	.66	1.9375	1.00		99

** Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces. Input may be rotated clockwise or counterclockwise.

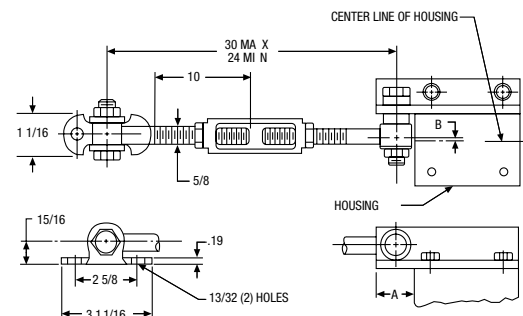
Note: For base dimensions see Single Reduction Flanged Reducer Dimension pages. See Assemblies and Mounting Positions, Page 72.

Reaction Rod Kits

ALL DIMENSIONS IN INCHES

Size	A	B	Catalog Number	Kit No.
718	1.09	.09	X718-76K	69692
721	1.25	.03	X721-76K	69693
726	1.25	.22	X726-76K	69694
732	1.50	.53	X732-76K	69695

All hardware shown is included in the kits.



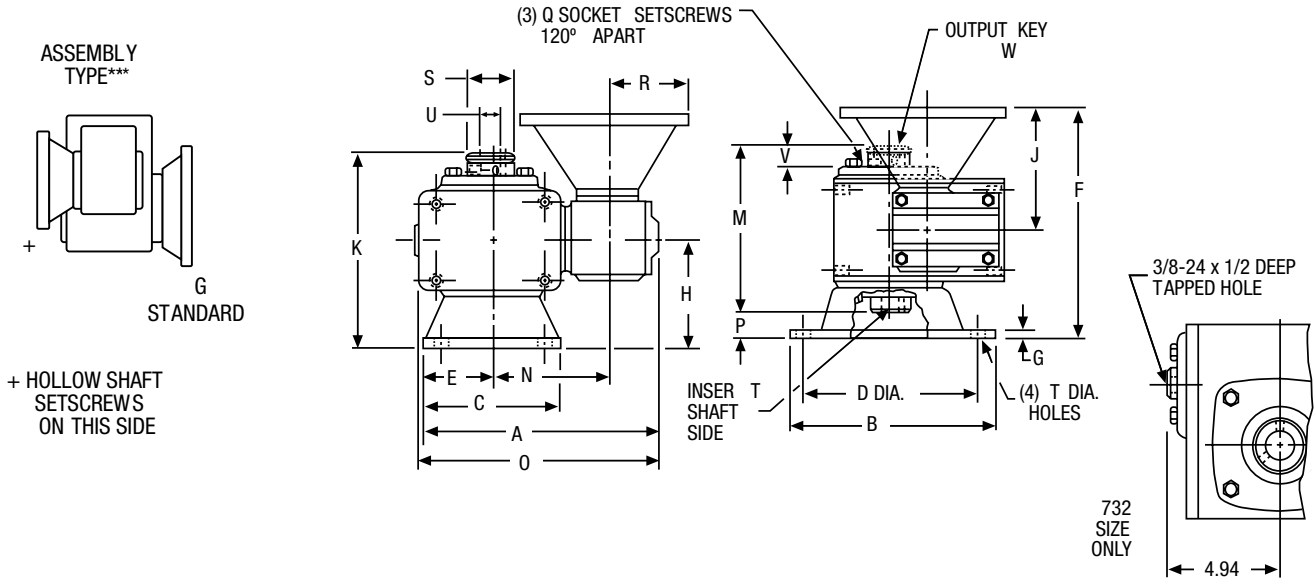
700 Series Double Reduction Flanged Reducer Dimensions

SFWA700 Series Flanged Quill Type

V Position Mounting Flange; Parallel Shafts; Hollow Output

FOR ORDERING INFORMATION, see Page 56.

FOR ADDITIONAL SIZES, See the H Series Pages 88-89.
FOR RATING INFORMATION, See Pages 71, 77-81.



ALL DIMENSIONS IN INCHES

Size	A	B	C	D DIA.	E	G	H	J-NEMA Mounting		K	M	N
								SFWA				
								42CZ	56C 140TC			
718	8.41	6.75	4.88	5.88	2.44	.38	3.50	3.16	3.94	6.59	5.69	4.44
721	9.56	7.38	5.75	6.50	2.88	.38	3.75	—	3.94	6.97	5.88	4.94
726	11.28	8.88	7.75	8.00	3.88	.38	4.06	—	3.94	7.56	6.47	5.66
732	13.25	11.00	9.00	10.00	4.50	.50	5.25	—	4.69	9.63	8.06	6.48

Size	O	P	Q	R-NEMA Mounting		S	T Holes	Low Speed Shaft			Approx. Weight (LBS.)	
				42CZ	56C 140TC			U +.0015 -.000	V	W-Key		SFWA
										Size	Length	
718	8.72	.91	#10-32	2.16	3.31	1.38	11/32	1.000	.78	See Page	29	
721	9.69	1.09	1/4-28	—	3.31	1.50	13/32	1.125	.88	128 For	40	
726	11.09	1.09	1/4-28	—	3.31	2.16	13/32	1.4375	.84	Key Information	53	
732	13.25	1.56	5/16-24	—	3.31	2.56	9/16	1.9375	1.00		128	

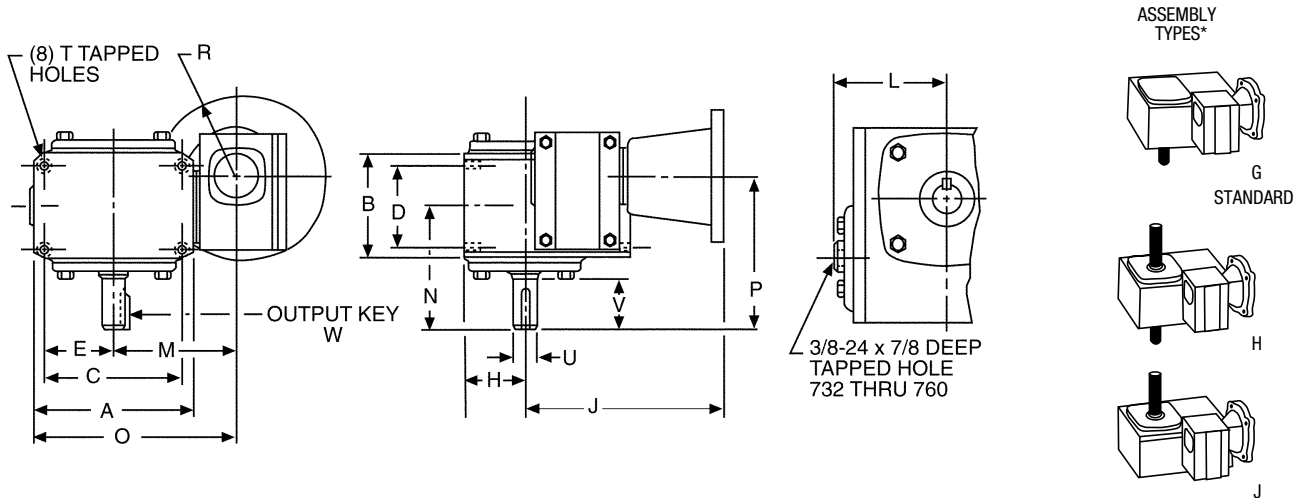
*Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft. See Assemblies and Mounting Positions, Page 72.

700 Series Double Reduction Flanged Reducer Dimensions

FWC700/QCWC700 Series Flanged Quill/Flanged Coupling Types Basic Models (No Base); Right Angle Shafts

FOR ORDERING INFORMATION, see Page 56.

FOR RATING INFORMATION, See Pages 71, 77-81.



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	H	J-NEMA Mounting						L	M	N	O
							FWC700			QCWC700						
							42CZ	56C 140TC	180TC 210C	42CZ	56C 140TC	180TC 210C				
713	4.25	2.88	3.25	2.00	1.63	1.72	4.49	5.30	—	5.48	6.35	—	—	3.75	4.00	5.88
718	5.50	3.69	4.19	2.75	2.09	2.06	4.91	5.72	—	5.90	6.76	—	—	4.44	4.31	7.19
721	6.00	3.81	5.00	2.88	2.50	2.28	—	6.00	—	—	7.52	—	—	4.94	4.69	7.94
726	7.38	4.44	6.38	3.38	3.19	2.94	—	6.56	—	—	9.22	—	—	5.66	5.63	9.35
730	8.12	5.25	7.00	4.00	3.50	3.25	—	7.69	—	—	9.29	—	—	6.12	6.75	10.18
732	9.00	5.88	7.50	4.00	3.75	3.50	—	7.94	—	—	9.54	—	4.94	6.48	7.06	10.98
738	10.00	6.38	8.50	4.75	4.25	3.88	—	8.81	—	—	10.51	—	5.50	7.27	7.75	12.27
752	13.13	7.38	11.00	5.81	5.50	5.31	—	11.00	11.34	—	12.64	13.55	7.19	9.28	9.06	15.84
760	14.50	8.12	12.75	6.38	6.38	6.50	—	—	—	—	14.70	15.12	7.94	9.56	10.00	16.81

Size	P	R-NEMA Mounting			T		Low Speed Shaft				Approx. Weight (LBS.)		Vertical Base Kit No. †	
		42CZ	56C 140TC	180TC 210C	Tap Size	Depth	U +.000 -.001	V	W-Key		FWA	QCWC	High	Low
									Sq.	Length				
713	5.00	2.16	3.31	—	5/16-18	.50	.625	2.00	3/16	1	16	18	56578	56579
718	5.31	2.16	3.31	—	5-16-18	.50	.875	1.78	3/16	1	27	30	56582	56583
721	6.03	—	3.31	—	3/8-16	.56	1.000	2.09	1/4	1-1/4	37	39	56588	56589
726	6.97	—	3.31	—	3/8-16	.56	1.125	2.62	1/4	1-15/16	62	62	56596	56597
730	8.50	—	3.31	—	7/16-14	.88	1.250	3.25	1/4	2-1/4	83	91	65545	65546
732	8.81	—	3.31	—	7/16-14	.66	1.375	3.25	5/16	2-7/16	103	119	56600	56601
738	9.81	—	3.31	—	1/2-13	.75	1.625	3.50	3/8	2-1/4	142	158	56604	56605
752	11.69	—	3.31	4.63	5/8-11	1.00	2.000	4.16	1/2	2-15/16	247	267	56608	56609
760	13.25	—	3.31	4.63	5/8-11	1.00	2.250	4.56	1/2	3-3/8	—	340	56611	56612

* See Assemblies and Mounting Positions, Page 73.

† For Base Kits, see Page 129.

700 Series Double Reduction Flanged Reducer Dimensions

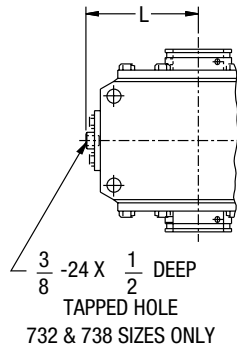
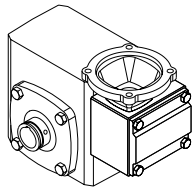
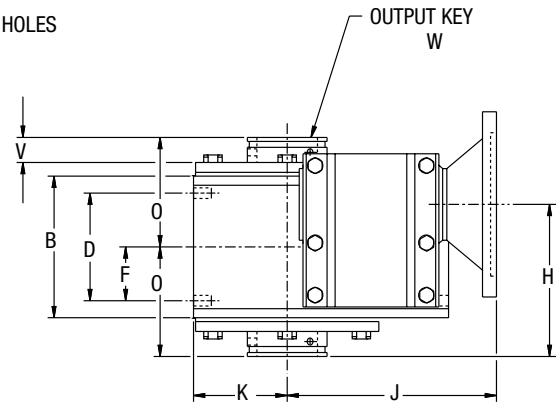
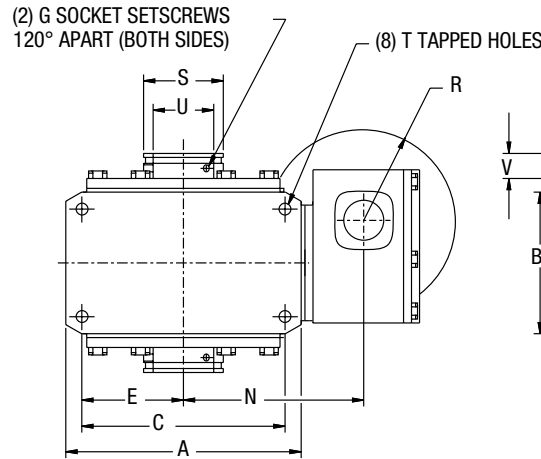
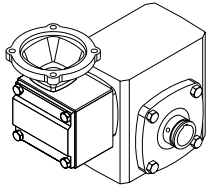
HFWC700/HQCWC700 Series Flanged Quill/Flanged Coupling Types

Basic Models (No Base); Right Angle Shafts; Bored to Size Hollow Output

FOR ORDERING INFORMATION, see Page 56.

FOR RATING INFORMATION, See Pages 71, 77-81.

ASSEMBLY TYPES*



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H	J-NEMA Mounting				K	L
									HFWC		HQCWC			
									42CZ	56C 140TC	42CZ	56C 140TC		
713	4.25	2.88	3.25	2.00	1.63	1.00	#10-32	3.50	4.49	5.30	5.48	6.35	1.72	—
718	5.50	3.69	4.19	2.75	2.09	1.38	#10-32	4.03	4.91	5.72	5.90	6.76	2.06	—
721	6.00	3.81	5.00	2.88	2.50	1.44	1/4-28	4.55	—	6.00	—	7.52	2.28	—
726	7.38	4.44	6.38	3.38	3.19	1.69	5/16-24	4.77	—	6.56	—	9.22	2.94	—
730	8.12	5.25	7.00	4.00	3.50	2.00	5/16-24	5.94	—	7.69	—	9.29	3.25	—
732	9.00	5.88	7.50	4.00	3.75	2.00	5/16-24	6.06	—	7.94	—	9.54	3.50	4.94
738	10.00	6.38	8.50	4.75	4.25	2.38	5/16-24	6.87	—	8.81	—	10.51	3.88	5.50

Size	N	O	R-NEMA Mounting		S	T		Low Speed Shaft			Approx. Weight (LBS.)		
			42CZ	56C 140TC		Tap Size	Depth	Max U +.0015 -.0000	V	W-Key		HFWC	HQCWC
										Size	Length		
713	3.75	2.50	2.16	3.31	.88	5/16-18	.50	.625	.68		17	19	
718	4.44	3.03	2.16	3.31	1.38	5/16-18	.50	1.000	.74		27	31	
721	4.94	3.22	—	3.31	1.94	3/8-16	.56	1.4375	.87	See Page 128 For Key Information	37	39	
726	5.66	3.44	—	3.31	2.50	3/8-16	.56	1.9375	.78		60	67	
730	6.12	4.19	—	3.31	2.88	7/16-14	.88	2.1875	1.10		82	95	
732	6.48	4.31	—	3.31	2.88	7/16-14	.66	2.1875	.93		104	121	
738	7.27	4.81	—	3.31	3.25	1/2-13	.75	2.4375	1.11	149	166		

* See Assemblies and Mounting Positions, Page 73.

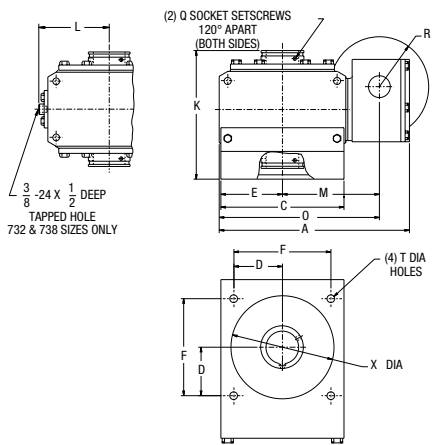
Note: For base dimensions see Single Reduction Flanged Reducer Dimension pages. See Page 128 for available bore sizes.

700 Series Double Reduction Flanged Reducer Dimensions

HFWC700/HQCWC700 Series Flanged Quill/Flanged Coupling Types R/L Position Mounting Bracket; Right Angle Shafts; Bored to Size Hollow Output

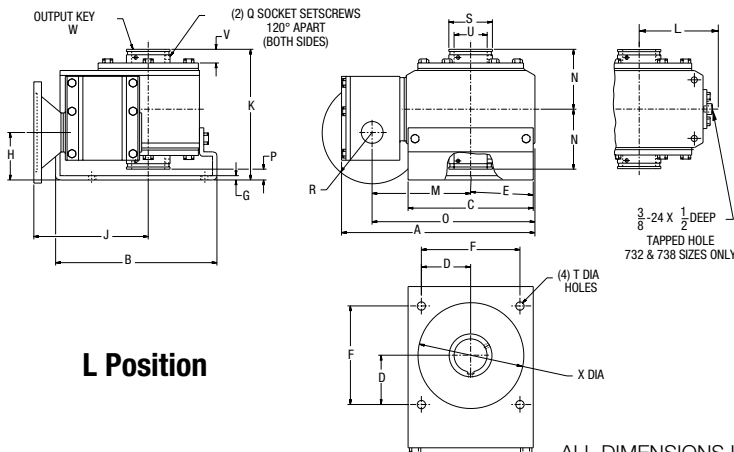
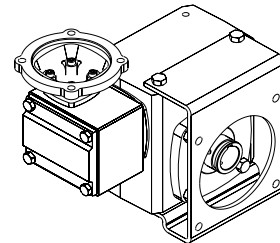
FOR ORDERING INFORMATION, see Page 56.

FOR RATING INFORMATION, See Pages 71, 77-81.

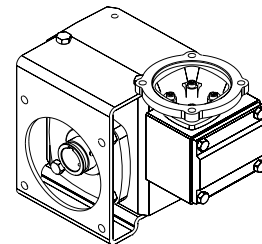


R Position

ASSEMBLY TYPES*



L Position



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H		J-NEMA Mounting				K	L	M
								R Model	L Model	HFWC		HQCWC				
										42CZ	56C 140TC	42CZ	56C 140TC			
713	7.41	5.55	4.24	1.77	2.12	3.54	.19	4.00	2.00	4.49	5.30	5.48	6.35	5.50	—	3.75
718	8.72	6.66	5.00	2.08	2.41	4.16	.19	4.50	2.50	4.91	5.72	5.90	6.76	6.53	—	4.44
721	9.69	7.47	5.76	2.30	2.88	4.60	.19	5.08	2.42	—	6.00	—	7.52	6.97	—	4.94
726	11.09	9.25	7.18	2.83	3.59	5.66	.25	5.39	2.73	—	6.56	—	9.22	7.50	—	5.66
730	12.45	10.38	8.00	3.18	4.00	6.36	.25	6.25	2.75	—	7.69	—	9.29	8.69	—	6.12
732	13.69	10.91	8.50	3.54	4.25	7.08	.25	7.00	3.50	—	7.94	—	9.54	9.56	4.94	6.48
738	15.16	11.84	9.50	4.06	4.75	8.12	.25	7.53	3.41	—	8.81	—	10.51	10.28	5.50	7.27

Size	N	O	P	Q	R-NEMA Mounting		S	T Holes	Low Speed Shaft			X	Approx. Weight (LBS.)		
					42CZ	56C 140TC			Max U +.0015 -0.0000	V	W-Key		HFWC	HQCWC	
											Size				Length
713	2.50	5.87	.50	#10-32	2.16	3.31	.88	11/32	.625	.68		3.62	18	20	
718	3.03	7.19	.47	#10-32	2.16	3.31	1.38	11/32	1.000	.74		4.06	30	36	
721	3.22	7.94	.53	1/4-28	—	3.31	1.94	13/32	1.4375	.87	See Page 128 For Key Information	4.50	42	47	
726	3.44	9.35	.62	5/16-24	—	3.31	2.50	13/32	1.9375	.78		6.00	56	80	
730	4.19	10.18	.31	5/16-24	—	3.31	2.88	13/32	2.1875	1.10		7.00	95	116	
732	4.31	10.98	.94	5/16-24	—	3.31	2.88	9/16	2.1875	.93		7.00	134	151	
738	4.81	12.27	.66	5/16-24	—	3.31	3.25	9/16	2.4375	1.11	8.00	178	200		

* See Assemblies and Mounting Positions, Page 73. See Page 128 for available bore sizes.



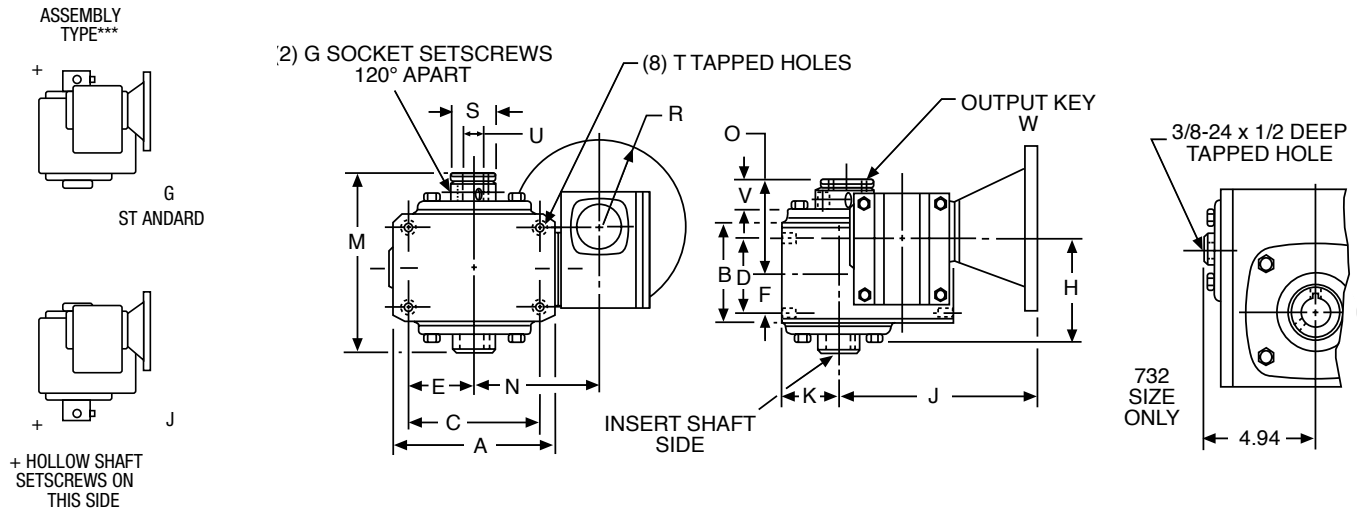
700 Series Double Reduction Flanged Reducer Dimensions

SFWC700 Series Flanged Quill Type

Basic Models (No Base); Right Angle Shafts; Hollow Output

FOR ORDERING INFORMATION, see Page 56.

FOR ADDITIONAL SIZES, See the H Series Pages 88-89.
FOR RATING INFORMATION, See Pages 71, 77-81.



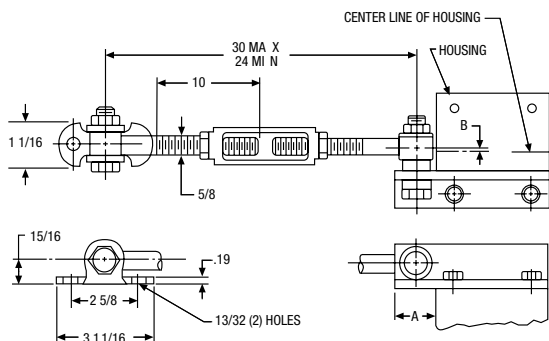
ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H	J-NEMA Mounting		K	M
									SFWC			
									42CZ	56C 140TC		
718	5.50	3.69	4.19	2.75	2.09	1.38	#10-32	3.50	4.91	5.69	2.06	5.69
721	6.00	3.81	5.00	2.88	2.50	1.44	1/4-28	3.94	—	6.00	2.28	5.88
726	7.38	4.44	6.38	3.38	3.19	1.69	1/4-28	4.25	—	6.56	2.94	6.47
732	9.00	5.88	7.50	4.00	3.75	2.00	5/16-24	5.34	—	7.94	3.50	8.06

Size	N	O	R-NEMA Mounting		S	T		Low Speed Shaft			Approx. Weight (LBS.) SFWC	
			42CZ	56C 140TC		Tap Size	Depth	U +.0015 -.000	V	W-Key		
			Size	Length								
718	4.44	3.09	2.16	3.31	1.38	5/16-18	.50	1.000	.78	See Page	24	
721	4.94	3.22	—	3.31	1.50	3/8-16	.56	1.125	.88	128 For	32	
726	5.66	3.50	—	3.31	2.16	3/8-16	.56	1.4375	.84	Key Information	51	
732	6.48	4.38	—	3.31	2.56	7/16-14	.66	1.9375	1.00		99	

*See Assemblies and Mounting Positions, Page 73. Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft.

Reaction Rod Kits



ALL DIMENSIONS IN INCHES

Size	A	B	Catalog Number	Kit No.
718	1.09	.09	X718-76K	69692
721	1.25	.03	X721-76K	69693
726	1.25	.22	X726-76K	69694
732	1.50	.53	X732-76K	69695

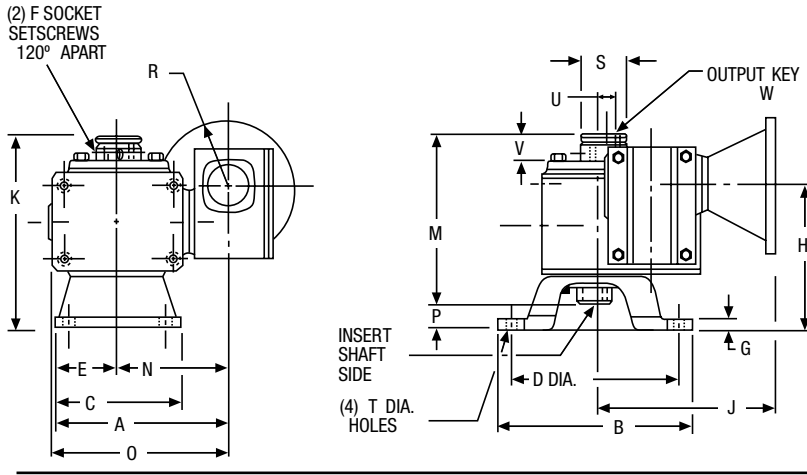
All hardware shown is included in the kits.

700 Series Double Reduction Flanged Reducer Dimensions

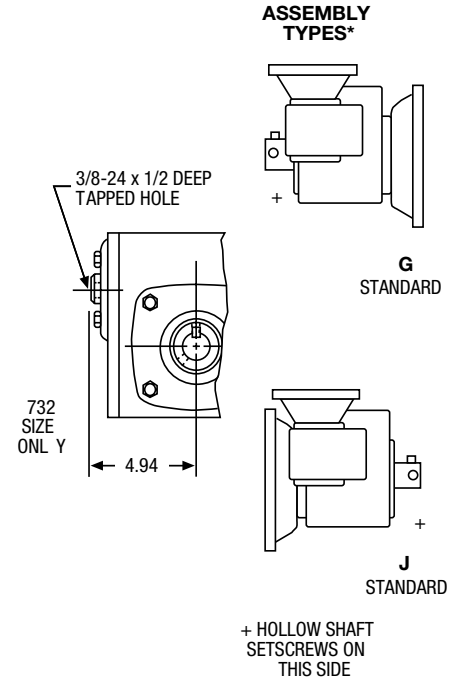
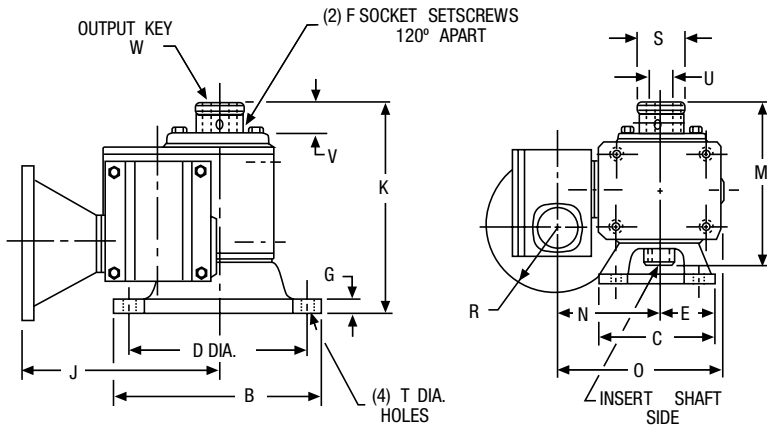
SFWC700 Series Flanged Quill Type V/W Position Mounting Flange; Right Angle Shafts; Hollow Output

FOR ORDERING INFORMATION, see Page 56.
FOR ADDITIONAL SIZES, See the H Series Page 88-89.
FOR RATING INFORMATION, See Pages 71, 77-81.

V Position



W Position



ALL DIMENSIONS IN INCHES

SIZE	A	B	C	D DIA	E	F	G	H	J-NEMA Mounting		K	M
									SFWC			
									42CZ	56C 140TC		
718	6.88	6.75	4.88	5.88	2.44	#10-32	.38	4.50	4.91	5.69	6.59	5.69
721	7.81	7.38	5.75	6.50	2.88	1/4-28	.38	5.09	—	6.00	6.97	5.88
726	9.54	8.88	7.75	8.00	3.88	5/16-24	.38	5.41	—	6.56	7.56	6.47
732	11.00	11.00	9.00	10.00	4.50	5/16-24	.50	7.00	—	7.94	9.63	8.06

SIZE	N	O	P	R-NEMA Mounting			T Hole	Low Speed Shaft			Approx. Weight (LBS.)
				42CZ	56C 140TC	S		U +.0015 -.000	V	W-KEY	
										Size	Length
718	4.44	7.19	0.91	2.16	3.31	1.38	11/32	1.000	0.78		29
721	4.94	7.94	1.09	—	3.31	1.50	13/32	1.125	0.88	See Page	40
726	5.66	9.34	1.09	—	3.31	2.16	13/32	1.4375	0.84	128 For	53
732	6.48	11.00	1.56	—	3.31	2.56	9/16	1.9375	1.00	Key Information	128

* See Assemblies and Mounting Positions, Page 73. Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft.

700 Series Double Reduction Non-Flanged Reducer Dimensions

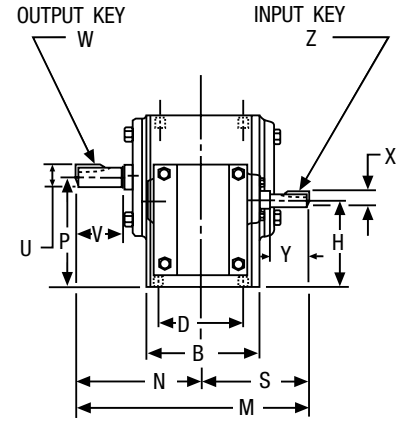
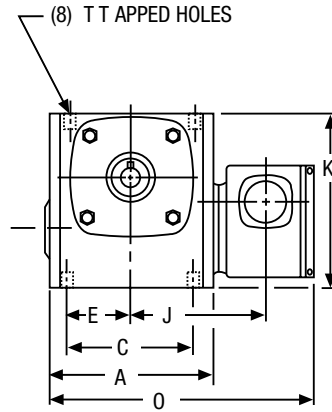
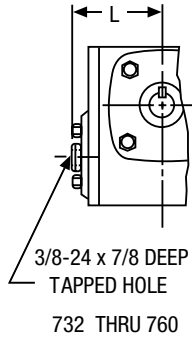
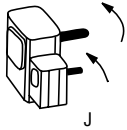
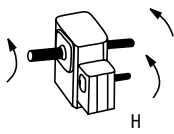
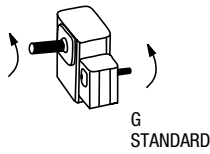
WA700 Series

Basic Models (No Base); Parallel Shafts

FOR ORDERING INFORMATION, see Page 56.

FOR RATING INFORMATION, See Pages 71, 77-81.

ASSEMBLY
TYPES*



ALL DIMENSIONS IN INCHES

SIZE	A	B	C	D	E	H	J	K	L	M	N	O	P
713	4.25	2.88	3.25	2.00	1.63	2.63	3.75	4.66	—	6.88	4.00	7.41	2.94
718	5.50	3.69	4.19	2.75	2.09	2.94	4.44	5.75	—	7.19	4.31	8.72	3.69
721	6.00	3.81	5.00	2.88	2.50	3.38	4.94	6.38	—	8.59	4.69	9.69	4.09
726	7.38	4.44	6.38	3.38	3.19	3.78	5.66	8.00	—	9.53	5.63	11.09	5.06
730	8.12	5.25	7.00	4.00	3.50	4.38	6.12	8.88	—	11.59	6.75	12.45	5.63
732	9.00	5.88	7.50	4.00	3.75	4.38	6.48	9.38	4.94	11.90	7.06	13.69	5.88
738	10.00	6.38	8.50	4.75	4.25	4.88	7.27	10.44	5.50	12.88	7.75	15.16	6.56
752	13.13	7.38	11.00	5.81	5.50	5.88	9.28	13.75	7.19	15.38	9.06	19.34	8.41
760	14.50	8.13	12.75	6.38	6.38	7.25	9.56	16.50	7.94	17.44	10.00	21.13	10.00

Size	S	T		Low Speed Shaft				High Speed Shaft				Approx. Weight (Lbs.)	Horizontal Base Kit No.
				U +.000 -.001	V	W-KEY		X +.000 -.001	Y	Z-KEY			
		Tap Size	Depth			Sq	Length			Sq	Length		
713	2.88	5/16-18	.50	.625	2.00	3/16	1	.3745	.81	3/32	3/8	15	56577
718	2.88	5/16-18	.50	.875	1.78	3/16	1	.3745	.81	3/32	3/8	28	56585
721	3.91	3/8-16	.56	1.000	2.09	1/4	1-1/4	.4995	1.31	1/8	5/8	37	56587
726	3.91	3/8-16	.56	1.125	2.63	1/4	1-5/16	.4995	1.31	1/8	5/8	55	56595
730	4.84	7/16-14	.88	1.250	3.25	1/4	2-1/4	.6245	1.56	3/16	13/16	73	65544
732	4.84	7/16-14	.66	1.375	3.25	5/16	2-7/16	.6245	1.56	3/16	13/16	93	56599
738	5.13	1/2-13	.75	1.625	3.50	3/8	2-1/4	.6245	1.56	3/16	13/16	132	56603
752	6.31	5/8-11	1.00	2.000	4.16	1/2	2-15/16	.7495	2.38	3/16	1	235	56607
760	7.44	5/8-11	1.00	2.250	4.56	1/2	3-3/8	.8745	2.31	3/16	1	298	56610

* See Assemblies and Mounting Positions, Page 74.

† For Base Kits, see Page 129.

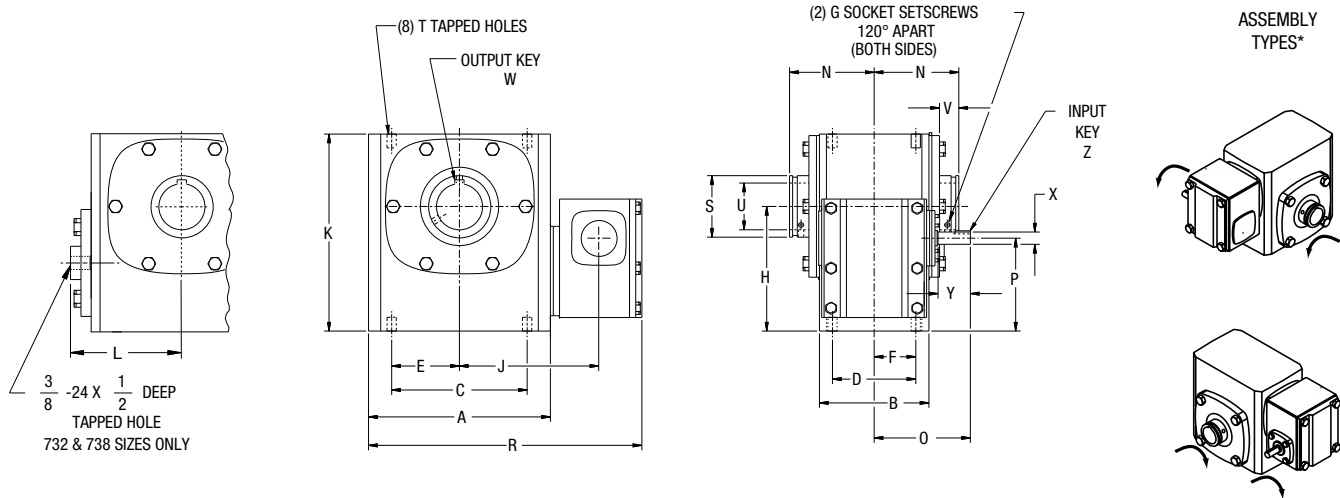
Note: For base dimensions see Single Reduction Flanged Reducer Dimension pages.

700 Series Double Reduction Non-Flanged Reducer Dimensions

HWA700 Series

Basic Models (No Base); Parallel Shafts; Bored to Size Hollow Output

FOR ORDERING INFORMATION, see Page 56.
FOR RATING INFORMATION, See Pages 71, 77-81.



ALL DIMENSIONS IN INCHES

SIZE	A	B	C	D	E	F	G	H	J	K	L	N	O	P
713	4.25	2.88	3.25	2.00	1.63	1.00	#10-32	2.94	3.75	4.66	—	2.50	2.88	2.63
718	5.50	3.69	4.19	2.75	2.09	1.38	#10-32	3.69	4.44	5.75	—	3.03	2.88	2.94
721	6.00	3.81	5.00	2.88	2.50	1.44	1/4-28	4.09	4.94	6.38	—	3.22	3.91	3.38
726	7.38	4.44	6.38	3.38	3.19	1.69	5/16-24	5.06	5.66	8.00	—	3.44	3.91	3.78
730	8.12	5.25	7.00	4.00	3.50	2.00	5/16-24	5.63	6.12	8.88	—	4.19	4.84	4.38
732	9.00	5.88	7.50	4.00	3.75	2.00	5/16-24	5.88	6.48	9.38	4.94	4.31	4.88	4.38
738	10.00	6.38	8.50	4.75	4.25	2.38	5/16-24	6.56	7.27	10.44	5.50	4.81	5.13	4.88

Size	R	S	T		Low Speed Shaft				High Speed Shaft				Approx. Weight (Lbs.)
					Max U +.0015 -.0000	V	W-KEY		X +.000 -.001	Y	Z-KEY		
			Tap Size	Depth			Sq	Length			Sq	Length	
713	7.41	.88	5/16-18	.50	.625	.68			.3745	.81	3/32	3/8	17
718	8.72	1.38	5/16-18	.50	1.000	.84			.3745	.81	3/32	3/8	28
721	9.69	1.94	3/8-16	.56	1.4375	.87	See Page 128 For Key Information		.4995	1.31	1/8	5/8	37
726	11.09	2.50	3/8-16	.56	1.9375	.78			.4995	1.31	1/8	5/8	55
730	12.45	2.88	7/16-14	.88	2.1875	1.10			.6245	1.56	3/16	13/16	76
732	13.69	2.88	7/16-14	.66	2.1875	.93			.6245	1.56	3/16	13/16	96
738	15.16	3.25	1/2-13	.75	2.4375	1.11			.6245	1.56	3/16	13/16	166

* See Assemblies and Mounting Positions, Page 74.
Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.
See Page 128 for available bore sizes.

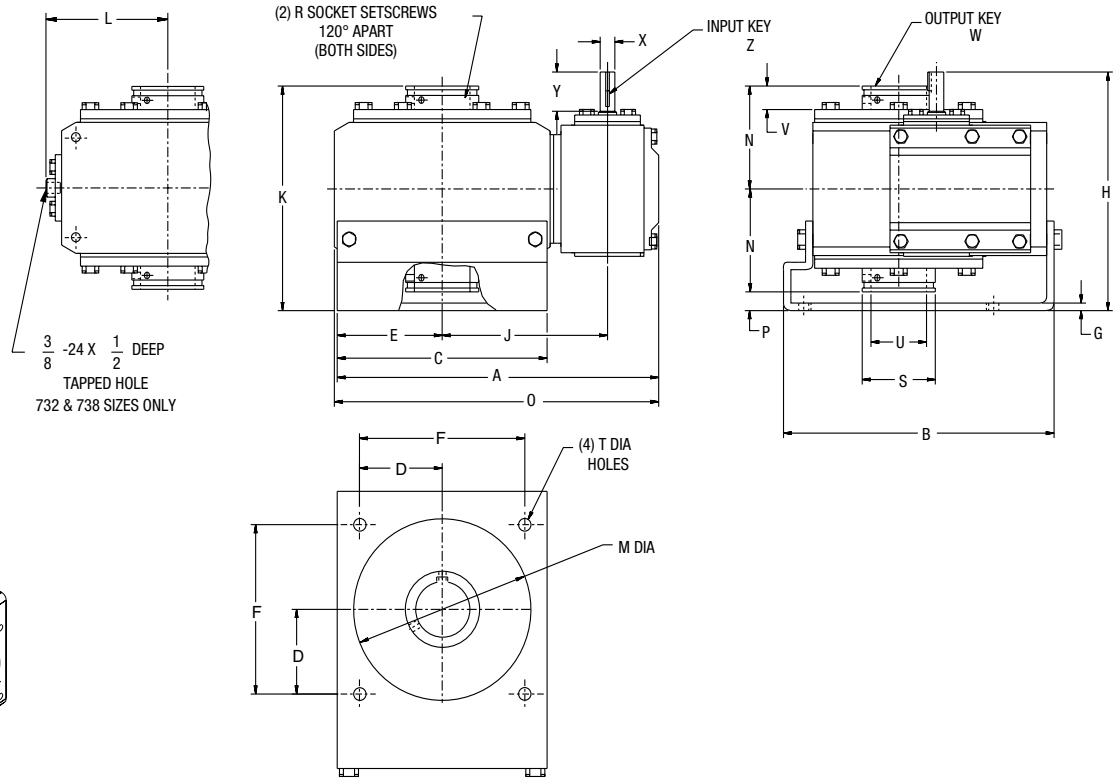


700 Series Double Reduction Non-Flanged Reducer Dimensions

HWA700 Series

R Position Mounting Bracket; Parallel Shafts; Bored to Size Hollow Output

FOR ORDERING INFORMATION, see Page 56.
FOR RATING INFORMATION, See Pages 71, 77-81.



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
713	7.40	5.55	4.25	1.77	2.12	3.54	.19	5.88	3.75	5.50	—	3.62	2.50	7.41	.50
718	8.38	6.66	4.81	2.08	2.41	4.16	.19	6.38	4.44	6.53	—	4.06	3.03	8.72	.47
721	9.57	7.47	5.75	2.30	2.88	4.60	.19	7.66	4.94	6.97	—	4.50	3.22	9.69	.53
726	11.00	9.25	7.18	2.83	3.59	5.66	.25	7.97	5.66	7.50	—	6.00	3.44	11.09	.62
730	12.39	10.38	8.00	3.18	4.00	6.36	.25	4.46	6.12	8.69	—	7.00	4.19	12.45	.31
732	13.44	10.91	8.50	3.54	4.25	7.08	.25	10.13	6.48	9.56	4.94	7.00	4.31	13.69	.94
738	14.91	11.84	9.50	4.06	4.75	8.12	.25	10.60	7.27	10.28	5.50	8.00	4.81	15.16	.66

Size	R	S	T DIA	Low Speed Shaft				High Speed Shaft				Approx. Weight (Lbs.)
				Max U +.0015 -.0000	V	W-KEY		X +.000 -.001	Y	Z-KEY		
						Sq	Length			Sq	Length	
713	#10-32	.88	11/32	.625	.68			.3745	.81	3/32	3/8	17
718	#10-32	1.38	11/32	1.000	.74			.3745	.81	3/32	3/8	34
721	1/4-28	1.94	13/32	1.4375	.87	See Page 128 For		.4995	1.31	1/8	5/8	42
726	5/16-24	2.50	13/32	1.9375	.78	Key Information		.4995	1.31	1/8	5/8	66
730	5/16-24	2.88	13/33	2.1875	1.10			.6245	1.56	3/16	13/16	86
732	5/16-24	2.88	9/16	2.1875	.93			.6245	1.56	3/16	13/16	126
738	5/16-24	3.25	9/16	2.4375	1.11			.6245	1.56	3/16	13/16	148

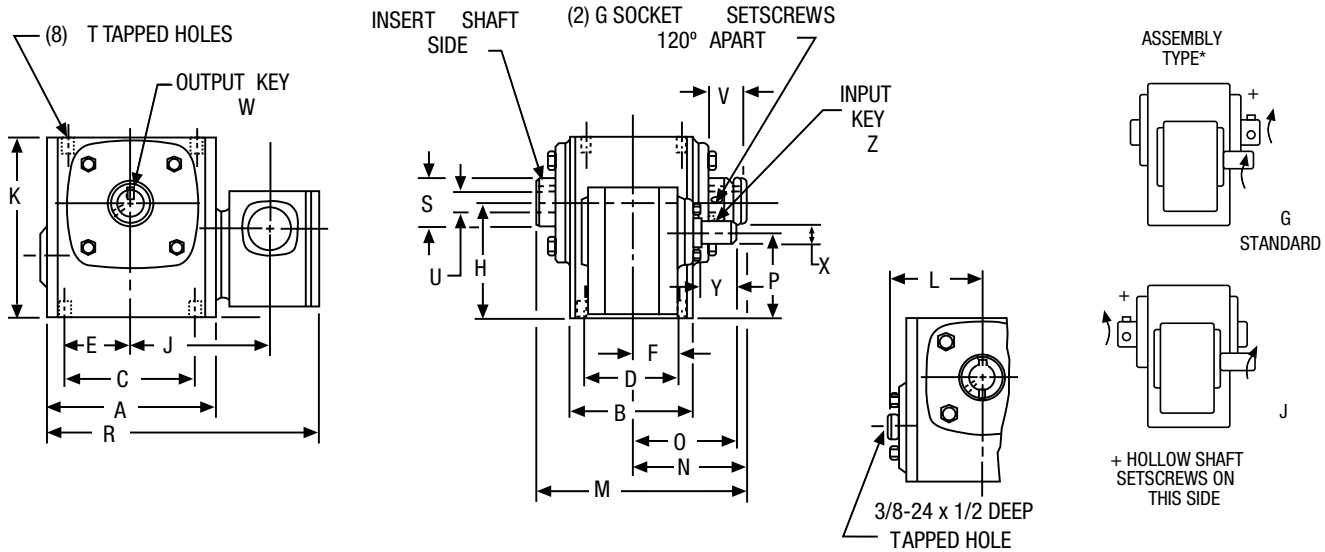
* See Assemblies and Mounting Position, Page 74
Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.
See Page 128 for available bore sizes.

700 Series Double Reduction Non-Flanged Reducer Dimensions

SWA700 Series

Basic Models (No Base); Parallel Shafts; Hollow Output

FOR ORDERING INFORMATION, see Page 56.
FOR ADDITIONAL SIZES, See the H Series Page 88-89.
FOR RATING INFORMATION, See Pages 71, 77-81.



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H	J	K	M	N	O	P
718	5.50	3.69	4.19	2.75	2.09	1.38	#10-32	3.69	4.44	5.75	5.69	3.09	2.88	2.94
721	6.00	3.81	5.00	2.88	2.50	1.44	1/4-28	4.09	4.94	6.38	5.88	3.22	3.91	3.38
726	7.38	4.44	6.38	3.38	3.19	1.69	1/4-28	5.06	5.66	8.00	6.47	3.50	3.91	3.78
732	9.00	5.88	7.50	4.00	3.75	2.00	5/16-24	5.88	6.48	9.38	8.06	4.38	4.88	4.38

Size	R	S	T		Low Speed Shaft				High Speed Shaft				Approx. Weight (Lbs.)
			Tap Size	Depth	U +.0015 -.000	V	W-KEY		X +.000 -.001	Y	Z-KEY		
							Sq	Length			Sq	Length	
718	8.72	1.38	5/16-18	.50	1.000	.78	See Page		.3745	.81	3/32	3/8	27
721	9.69	1.50	3/8-16	.56	1.125	.88	128 For		.4995	1.31	1/8	5/8	35
726	11.09	2.16	3/8-16	.56	1.4375	.84	Key Information		.4995	1.31	1/8	5/8	52
732	13.69	2.56	7/16-14	.66	1.9375	1.00			.6245	1.56	3/16	13/16	91

* See Assemblies and Mounting Positions, Page 74. Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces, viewed from end of input shaft. Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.

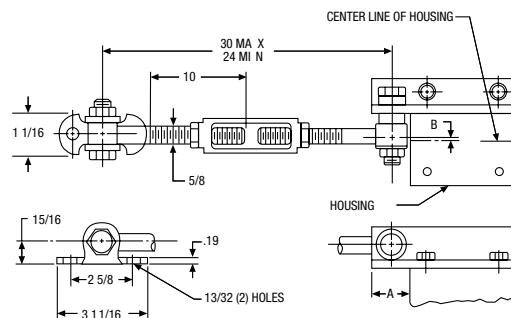
Note: For base dimensions see Single Reduction Flanged Reducer Dimension pages.

Reaction Rod Kits

ALL DIMENSIONS IN INCHES

SIZE	A	B	Catalog Number	Kit No.
718	1.09	.09	X718-76K	69692
721	1.25	.03	X721-76K	69693
726	1.25	.22	X726-76K	69694
732	1.50	.53	X732-76K	69695

All hardware shown is included in the kits.

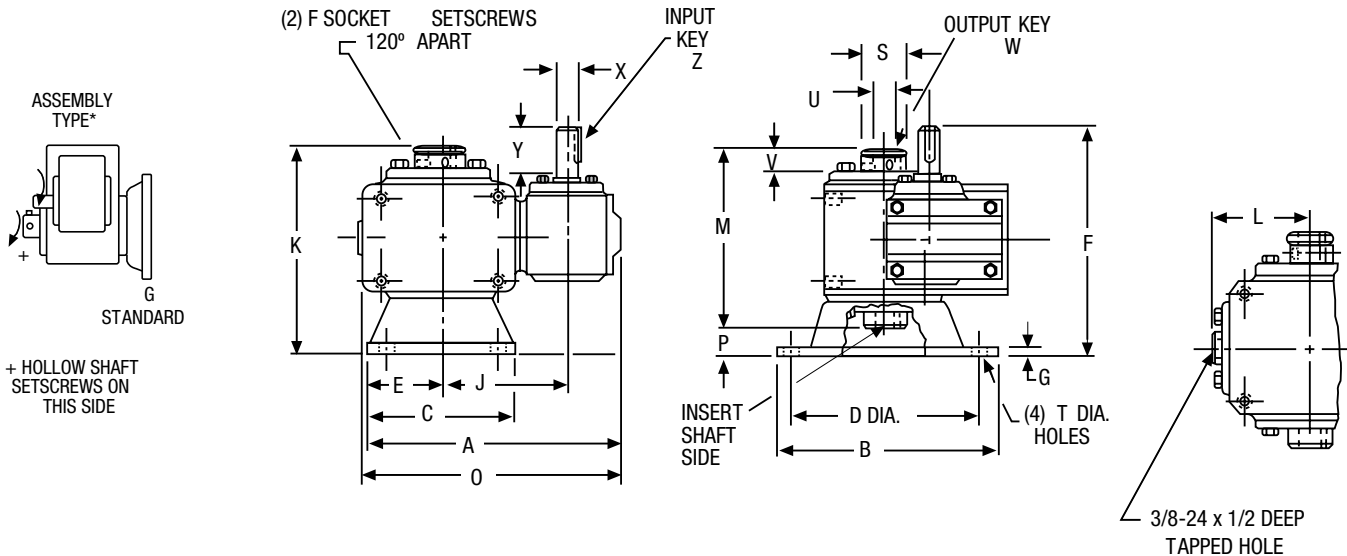


700 Series Double Reduction Non-Flanged Reducer Dimensions

SWA700 Series

V Position Mounting Flange; Parallel Shafts; Hollow Output

FOR ORDERING INFORMATION, see Page 56.
 FOR ADDITIONAL SIZES, See the H Series Page 88-89.
 FOR RATING INFORMATION, See Pages 71, 77-81.



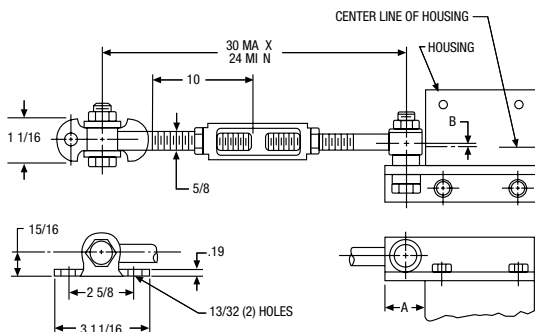
ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	J	K	M	O	P
718	8.41	6.75	4.88	5.88	2.44	#10-32	.38	4.44	6.59	5.69	8.72	.91
721	9.56	7.38	5.75	6.50	2.88	1/4-28	.38	4.94	6.97	5.88	9.69	1.09
726	11.28	8.88	7.75	8.00	3.88	1/4-28	.38	5.66	7.56	6.47	11.28	1.09
732	13.25	11.00	9.00	10.00	4.50	5/16-24	.50	6.48	9.63	8.06	13.69	1.56

Size	S	T Dia	Low Speed Shaft				High Speed Shaft				Approx. Weight (Lbs.)
			U +.0015 -.000	V	W-KEY		X +.000 -.001	Y	Z-KEY		
					Sq	Length			Sq	Length	
718	1.38	11/32	1.000	.78	See Page		.3745	.81	3/32	3/8	32
721	1.50	13/32	1.125	.88	128 For		.4995	1.31	1/8	5/8	40
726	2.16	13/32	1.4375	.84	Key Information		.4995	1.31	1/8	5/8	63
732	2.56	9/16	1.9375	1.00			.6245	1.56	3/16	13/16	120

* See Assemblies and Mounting Position, Page 74. Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces, viewed from end of input shaft.
 Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.

Reaction Rod Kits



ALL DIMENSIONS IN INCHES

Size	A	B	Catalog Number	Kit No.
718	1.09	.09	X718-76K	69692
721	1.25	.03	X721-76K	69693
726	1.25	.22	X726-76K	69694
732	1.50	.53	X732-76K	69695

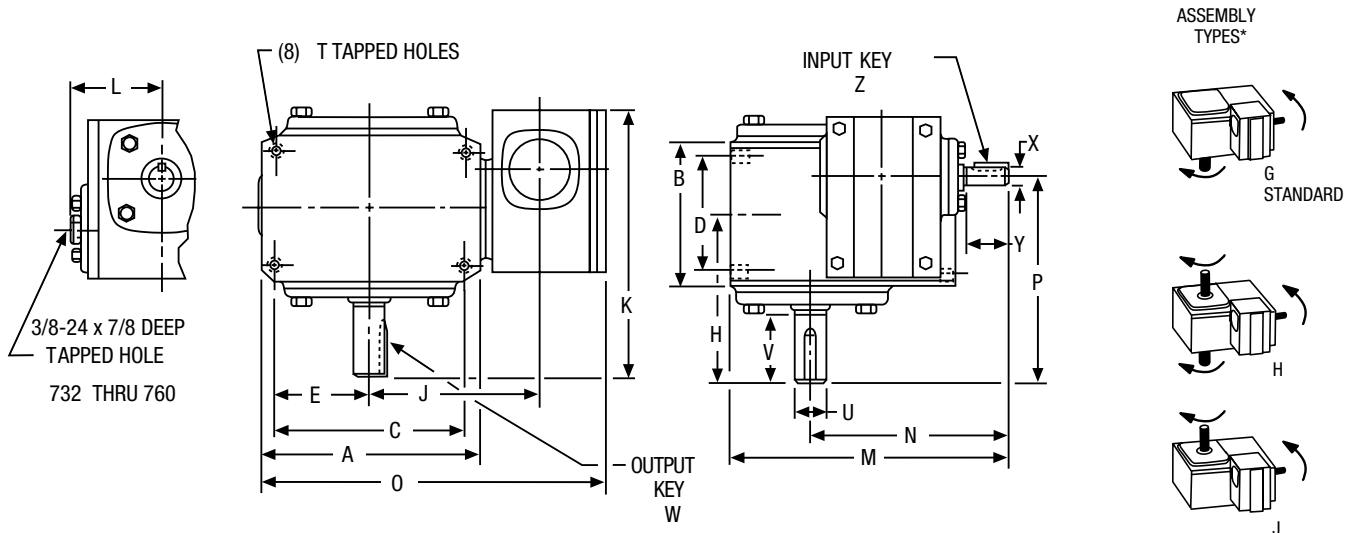
All hardware shown is included in the kits.

700 Series Double Reduction Non-Flanged Reducer Dimensions

WC700 Series

Basic Models (No Base); Right Angle Shafts

FOR ORDERING INFORMATION, see Page 56.
FOR RATING INFORMATION, See Pages 71, 77-81.



ALL DIMENSIONS IN INCHES

SIZE	A	B	C	D	E	H	J	K	L	M	N	O	P
713	4.25	2.88	3.25	2.00	1.63	4.00	3.75	6.19	—	5.94	4.22	7.41	5.00
718	5.50	3.69	4.19	2.75	2.09	4.31	4.44	6.50	—	6.69	4.63	8.72	5.31
721	6.00	3.81	5.00	2.88	2.50	4.69	4.94	7.63	—	8.25	5.97	9.69	6.03
726	7.38	4.44	6.38	3.38	3.19	5.63	5.66	8.56	—	9.47	6.53	11.09	6.97
730	8.12	5.25	7.00	4.00	3.50	6.75	6.12	10.44	—	11.09	7.84	12.45	8.50
732	9.00	5.88	7.50	4.00	3.75	7.06	6.48	10.75	4.94	11.63	8.13	13.69	8.81
738	10.00	6.38	8.50	4.75	4.25	7.75	7.27	11.84	5.50	12.75	8.88	15.16	9.81
752	13.13	7.38	11.00	5.81	5.50	9.06	9.28	14.00	7.19	16.81	11.50	19.34	11.69
760	14.50	8.13	12.75	6.38	6.38	10.00	9.56	15.88	7.94	19.94	13.44	21.13	13.25

Size	T		Low Speed Shaft				High Speed Shaft				Approx. Weight (LBS.)	Vertical Base Kit No. †	
	Tap Size	Depth	U +.000 -.001	V	W-KEY		X +.000 -.001	Y	Z-KEY			High	Low
					Sq	Length			Sq	Length			
713	5/16-18	.50	.625	2.00	3/16	1	.3745	.81	3/32	3/8	15	56578	56579
718	5/16-18	.50	.875	1.78	3/16	1	.3745	.81	3/32	3/8	28	56582	56583
721	3/8-16	.56	1.000	2.09	1/4	1-1/4	.4995	1.31	1/8	5/8	37	56588	56589
726	3/8-16	.56	1.125	2.63	1/4	1-15/16	.4995	1.31	1/8	5/8	55	56596	56597
730	7/16-14	.88	1.250	3.25	1/4	2-1/4	.6245	1.56	3/16	13/16	73	65545	65546
732	7/16-14	.66	1.375	3.25	5/16	2-7/16	.6245	1.56	3/16	13/16	93	56600	56601
738	1/2-13	.75	1.625	3.50	3/8	2-1/4	.6245	1.56	3/16	13/16	132	56604	56605
752	5/8-11	1.00	2.000	4.16	1/2	2-15/16	.7495	2.38	3/16	1	235	56608	56609
760	5/8-11	1.00	2.250	4.56	1/2	3-3/8	.8745	2.31	3/16	1	298	56611	56612

* See Assemblies and Mounting Positions, Page 75.

† For Base Kits, see Page 129.

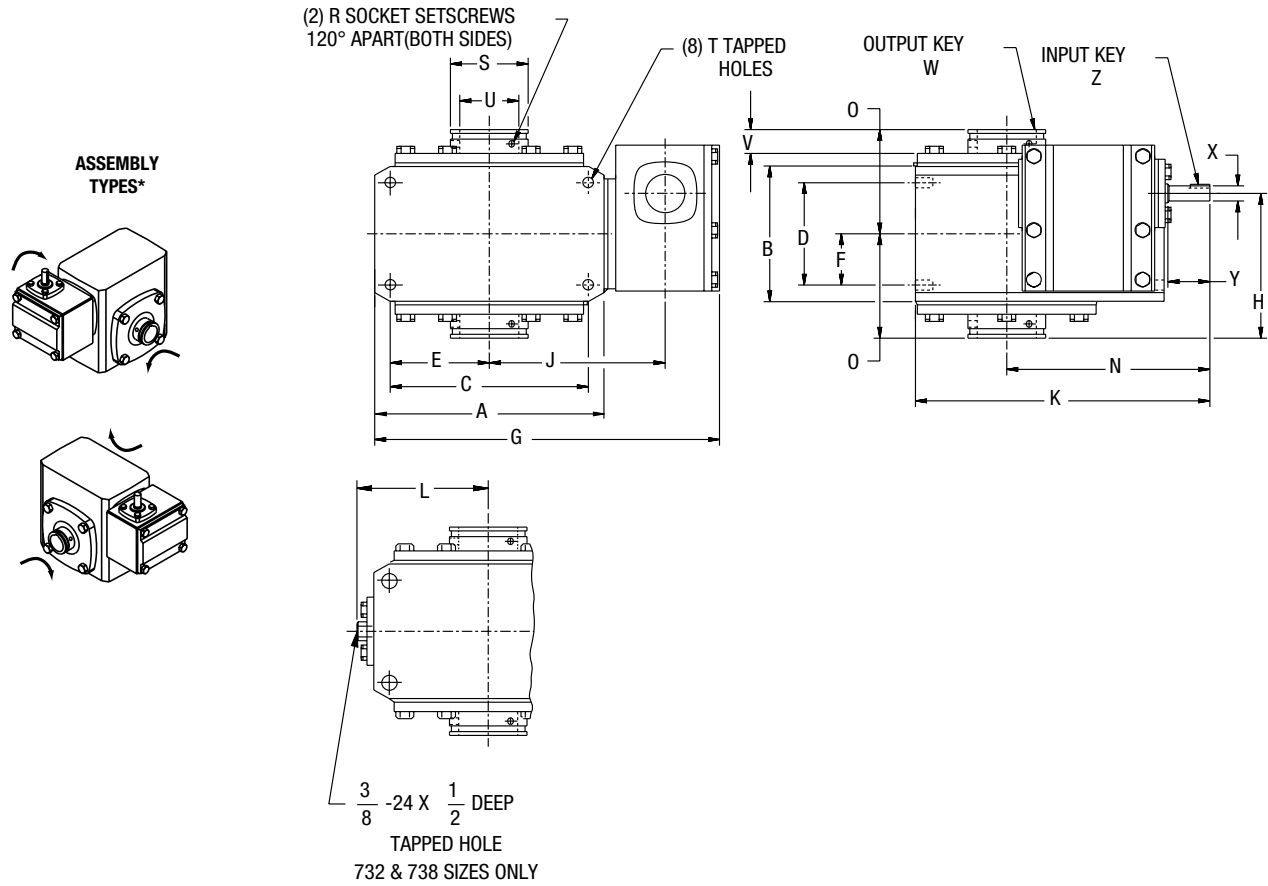
700 Series Double Reduction Non-Flanged Reducer Dimensions

HWC700 Series

Basic Models (No Base); Right Angle Shafts; Bored to Size Hollow Output

FOR ORDERING INFORMATION, see Page 56.

FOR RATING INFORMATION, See Pages 71, 77-81.



ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H	J	K	L	N	O	R
713	4.25	2.88	3.25	2.00	1.63	1.00	7.41	3.50	3.75	5.94	—	4.22	2.50	#10-32
718	5.50	3.69	4.19	2.75	2.09	1.38	8.72	4.03	4.44	6.69	—	4.63	3.03	#10-32
721	6.00	3.81	5.00	2.88	2.50	1.44	9.69	4.55	4.94	8.25	—	5.97	3.22	1/4-28
726	7.38	4.44	6.38	3.38	3.19	1.69	11.09	4.77	5.66	9.47	—	6.53	3.44	5/16-24
730	8.12	5.25	7.00	4.00	3.50	2.00	12.45	5.94	6.12	11.09	—	7.84	4.19	5/16-24
732	9.00	5.88	7.50	4.00	3.75	2.00	13.69	6.06	6.48	11.63	4.94	8.13	4.31	5/16-24
738	10.00	6.38	8.50	4.75	4.25	2.38	15.16	6.87	7.27	12.75	5.50	8.88	4.81	5/16-24

Size	S	T		Low Speed Shaft				High Speed Shaft				Approx. Weight (Lbs.)
				Max U +.0015 -.000	V	W-KEY		X +.000 -.001	Y	Z-KEY		
		Tap Size	Depth			Sq	Length			Sq	Length	
718	.88	5/16-18	.50	.625	.68			.3745	.81	3/32	3/8	17
721	1.38	5/16-18	.50	1.000	.74			.3745	.81	3/32	3/8	28
726	1.94	3/8-16	.56	1.4375	.87	See Page 128 For Key Information		.4995	1.31	1/8	5/8	37
732	2.50	3/8-16	.56	1.9375	.78	Key Information		.4995	1.31	1/8	5/8	55
730	2.88	7/16-14	.88	2.1875	1.10	Key Information		.6245	1.56	3/16	13/16	76
732	2.88	7/16-14	.66	2.1875	.93	Key Information		.6245	1.56	3/16	13/16	96
738	3.25	1/2-13	.75	2.4375	1.11	Key Information		.6245	1.56	3/16	13/16	166

* See Assemblies and Mounting Positions, Page 75.

Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.

See Page 128 for available bore sizes.

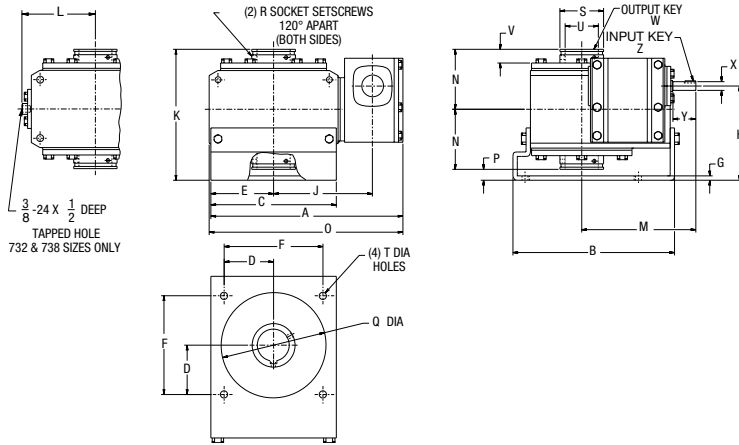
700 Series Double Reduction Non-Flanged Reducer Dimensions

HWC700 Series

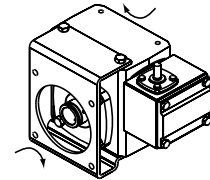
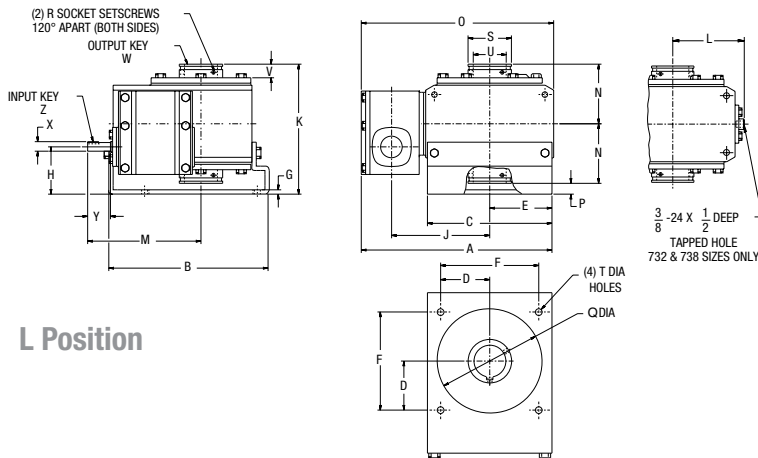
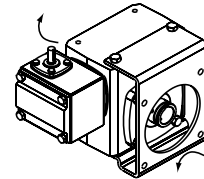
R/L Position Mounting Bracket; Right Angle Shafts; Bored to Size Hollow Output

R Position

FOR ORDERING INFORMATION, see Page 56.
FOR RATING INFORMATION, See Pages 71, 77-81.



ASSEMBLY TYPES*



L Position

ALL DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H		J	K	L	M	N	O	P
								R Model	L Model							
713	7.40	5.55	4.24	1.77	2.12	3.54	.19	4.00	2.00	3.75	5.50	—	4.22	2.50	7.41	.50
718	8.38	6.66	4.82	2.08	2.41	4.16	.19	4.50	2.50	4.44	6.53	—	4.63	3.03	8.72	.47
721	9.57	7.47	5.76	2.30	2.88	4.60	.19	5.08	2.42	4.94	6.97	—	5.97	3.22	9.69	.53
726	11.00	9.25	7.18	2.83	3.59	5.66	.25	5.39	2.73	5.66	7.50	—	6.53	3.44	11.09	.62
730	12.39	10.38	8.00	3.18	4.00	6.38	.25	6.25	2.75	6.12	8.69	—	7.84	4.19	12.45	.31
732	13.44	10.91	8.50	3.54	4.25	7.08	.25	7.00	3.50	6.48	9.56	4.94	8.13	4.31	13.69	.94
738	14.91	11.84	9.50	4.06	4.75	8.12	.25	7.53	3.41	7.27	10.28	5.50	8.88	4.81	15.16	.66

Size	Q	R	S	T Dia.	Low Speed Shaft				High Speed Shaft				Approx. Weight (Lbs.)
					Max U +.0015 -.0000	V	W-KEY		X +.000 -.001	Y	Z-KEY		
							Sq	Length			Sq	Length	
713	3.62	#10-32	.88	11/32	.625	.68			.3745	.81	3/32	3/8	17
718	4.06	#10-32	1.38	11/32	1.000	.74			.3745	.81	3/32	3/8	34
721	4.50	1/4-28	1.94	13/32	1.4375	.87	See Page 128 For		.4995	1.31	1/8	5/8	42
726	6.00	5/16-24	2.50	13/32	1.9375	.78	Key Information		.4995	1.31	1/8	5/8	66
730	7.00	5/16-24	2.88	13/32	2.1875	1.10	Key Information		.6245	1.56	3/16	13/16	86
732	7.00	5/16-24	2.88	9/16	2.1875	.93	Key Information		.6245	1.56	3/16	13/16	126
738	8.00	5/16-24	3.25	9/16	2.4375	1.11	Key Information		.6245	1.56	3/16	13/16	148

* See Assemblies and Mounting Positions, Page 75.

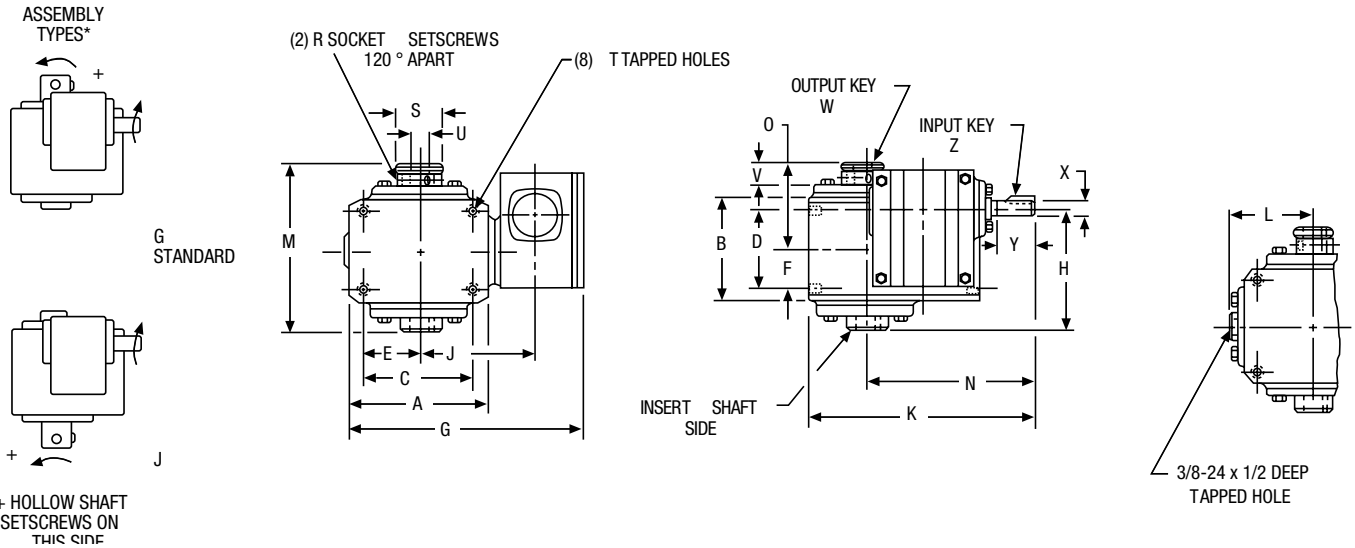
Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation. See Page 128 for available bore sizes.

700 Series Double Reduction Non-Flanged Reducer Dimensions

SWC700 Series

Basic Models (No Base); Right Angle Shafts; Hollow Output

FOR ORDERING INFORMATION, see Page 56.
 FOR ADDITIONAL SIZES, See the H Series Page 88-89.
 FOR RATING INFORMATION, See Pages 71, 77-81.



ALL DIMENSIONS IN INCHES

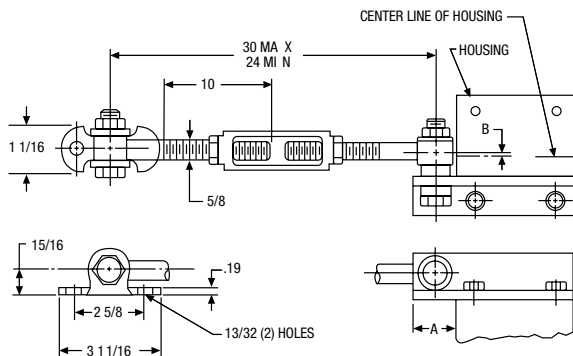
Size	A	B	C	D	E	F	G	H	J	K	M	N	O	R
718	5.50	3.69	4.19	2.75	2.09	1.38	8.72	3.59	4.44	6.69	5.69	4.63	3.09	#10-32
721	6.00	3.81	5.00	2.88	2.50	1.44	9.69	4.00	4.94	8.25	5.88	5.97	3.22	1/4-28
726	7.38	4.44	6.38	3.38	3.19	1.69	11.09	4.31	5.66	9.47	6.47	6.53	3.50	1/4-28
732	9.00	5.88	7.50	4.00	3.75	2.00	13.69	5.44	6.48	11.63	8.06	8.13	4.38	5/16-24

Size	S	T		Low Speed Shaft				High Speed Shaft				Approx. Weight (Lbs.)
		Tap Size	Depth	U +.0015 -.000	V	W-KEY		X +.000 -.001	Y	Z-KEY		
						Sq	Length			Sq	Length	
718	1.38	5/16-18	.50	1.000	.78	See Page		.3745	.81	3/32	3/8	27
721	1.50	3/8-16	.56	1.125	.88	128 For		.4995	1.31	1/8	5/8	35
726	2.16	3/8-16	.56	1.4375	.84	Key Information		.4995	1.31	1/8	5/8	52
732	2.56	7/16-14	.66	1.9375	1.00			.6245	1.56	3/16	13/16	91

* See Assemblies and Mounting Positions, Page 75. Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces, viewed from end of input shaft. Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.

Reaction Rod Kits

ALL DIMENSIONS IN INCHES



SIZE	A	B	Catalog Number	Kit No.
718	1.09	.09	X718-76K	69692
721	1.25	.03	X721-76K	69693
726	1.25	.22	X726-76K	69694
732	1.50	.53	X732-76K	69695

All hardware shown is included in the kits.

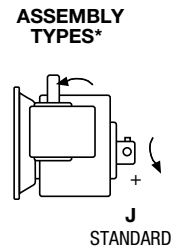
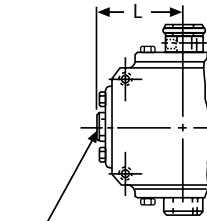
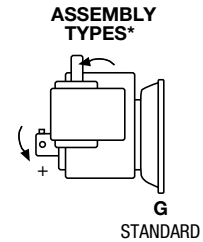
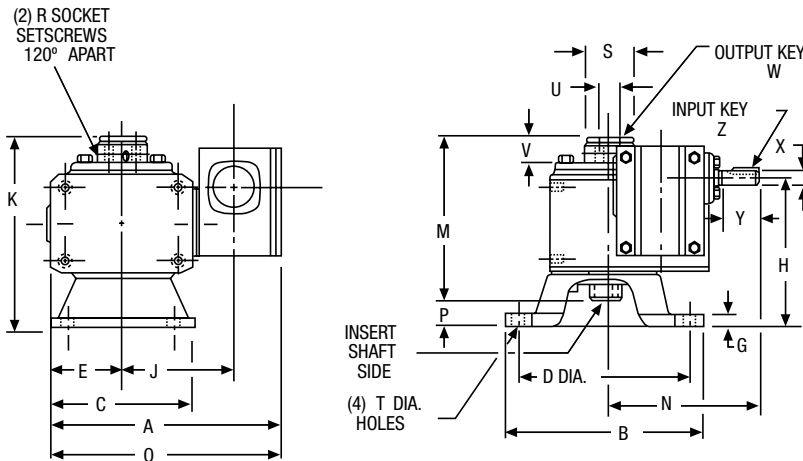
700 Series Double Reduction Non-Flanged Reducer Dimensions

SWC700 Series

V/W Position Mounting Flange; Right Angle Shafts; Hollow Output

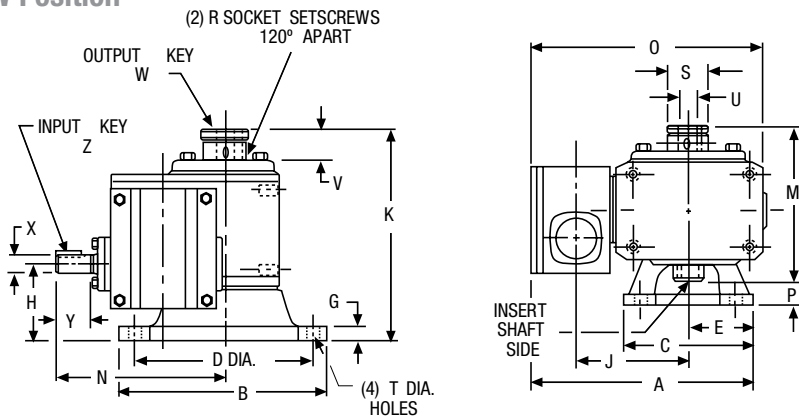
FOR ORDERING INFORMATION, see Page 56.
 FOR ADDITIONAL SIZES, See the H Series Page 88-89.
 FOR RATING INFORMATION, See Pages 71, 77-81.

V Position



+ HOLLOW SHAFT SETSCREWS ON THIS SIDE.

W Position

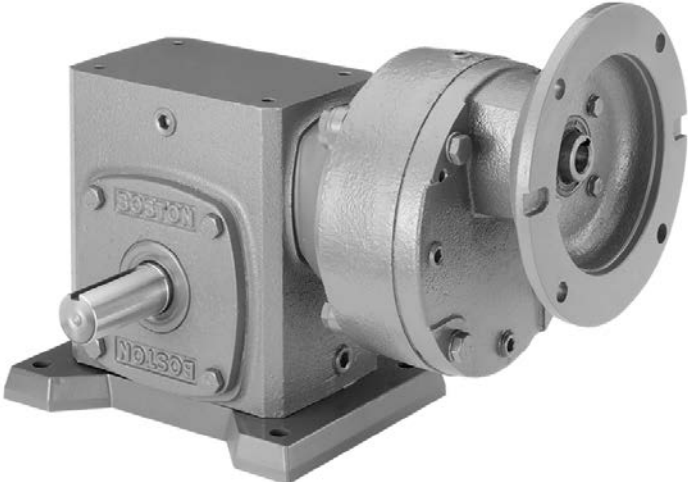


ALL DIMENSIONS IN INCHES

SIZE	A	B	C	D	E	G	H		K	L	M	N	O	P
							V Model	W Model						
718	8.41	6.75	4.88	5.88	2.44	.38	4.50	3.50	4.44	6.59	5.69	4.63	8.72	.91
721	9.56	7.38	5.75	6.50	2.88	.38	5.09	3.75	4.94	6.97	5.88	5.97	9.69	1.09
726	11.28	8.88	7.75	8.00	3.88	.38	5.41	4.08	5.66	7.56	6.47	6.53	11.28	1.09
732	13.25	11.00	9.00	10.00	4.50	.50	7.00	5.25	6.48	9.63	8.06	8.13	13.69	1.56

Size	R	S	T Dia.	Low Speed Shaft				High Speed Shaft				Approx. Weight (Lbs.)
				U +.0015 -.000	V	W-KEY		X +.000 -.001	Y	Z-KEY		
						Sq	Length			Sq	Length	
718	#10-32	1.38	11/32	1.000	.78	See Page		.3745	.81	3/32	3/8	32
721	1/4-28	1.50	13/32	1.125	.88	128 For		.4995	1.31	1/8	5/8	40
726	1/4-28	2.16	13/32	1.4375	.84	Key Information		.4995	1.31	1/8	5/8	63
732	5/16-24	2.56	9/16	1.9375	1.00			.6245	1.56	3/16	13/16	120

* See Assemblies and Mounting Positions, Page 75. Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces, viewed from end of input shaft. Input may be rotated clockwise or counterclockwise. Arrows indicate relative rotation.



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- Quick Selection Chart109**
- Output RPM Selection Tables 110-118**
- Dimensions 119-126**

Product Selection / Reference Guide

700 Series Single Reduction Flanged Reducers with HMF Series

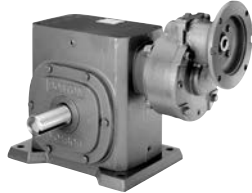
Ordering Information – Page 106

Selection/Rating Information – Pages 109-118

Mountings – Pages 107-108



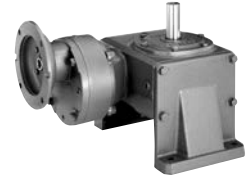
F700/QC700 BASIC W/HMF
Dimension Page 119



F700/QC700 B W/HMF
Dimension Page 120



F700/QC700 A W/HMF
Dimension Page 121



F700/QC700 C/D W/HMF
Dimension Page 122



F700 /QC700 E/F W/HMF
Dimension Page 122



F700/QC700 X W/HMF
Dimension Page 123



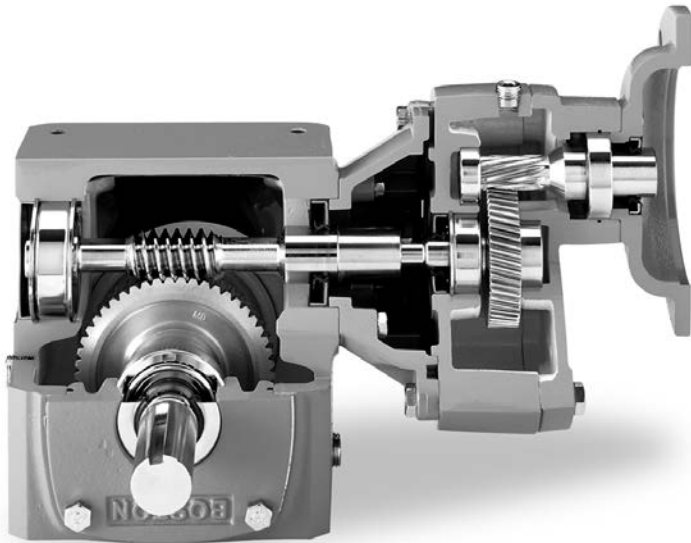
HF700/HQC700 W/HMF
Dimension Page 124



HF700/HQC700 R/L W/HMF
Dimension Page 125

C

Helical Multiplier Reducer Series Features



Combination 700 and HM Series Features

- Rugged housing of fine-grained, gear-quality cast iron provides maximum strength and durability. Greater rigidity and one-piece construction ensure precise alignment of the worm and gear. This housing construction also provides superior resistance to caustic washdown solutions, plus high heat dissipation and reduced noise level. Pipe plugs allow easy fill, level and drain in any mounting position.
- Housings are straddle-milled top and bottom for precise alignment of horizontal and vertical bases.
- Multi-position mounting flexibility - threaded bolt holes let you install the HM Series speed reducers in almost any position.
- Internal baffle assures positive leak-free venting.
- Large oil reservoir provides highly efficient heat dissipation and lubrication for longer operating life.
- High pressure angle on worm provides greater operating efficiency.
- Integral input worm and shaft design made from high-strength case-hardened alloy steel. Reducer sizes 710 through 730 have pre-lubricant ball bearings; 732 through 760 have tapered roller bearings. Double lip oil seals are standard.
- Super-finished oil seal diameters on both input and output shafts provide extended seal life.
- High strength steel output shaft assures capacity for high torque and overhung loads
- High-strength bronze worm gear is straddle mounted between heavy-duty tapered roller bearings to increase thrust and overhung load capacities, sizes 713-760.

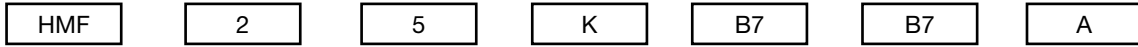
C

Numbering System / How to Order

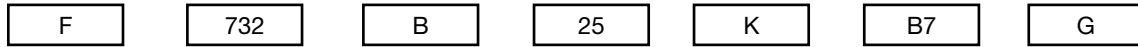
When ordering reducers please include code letters for Style, Size, Base (if required), Ratio, Lubrication (if required), NEMA Mounting (if flanged reducer), Shaft Assembly and Motor (if required).

Example:

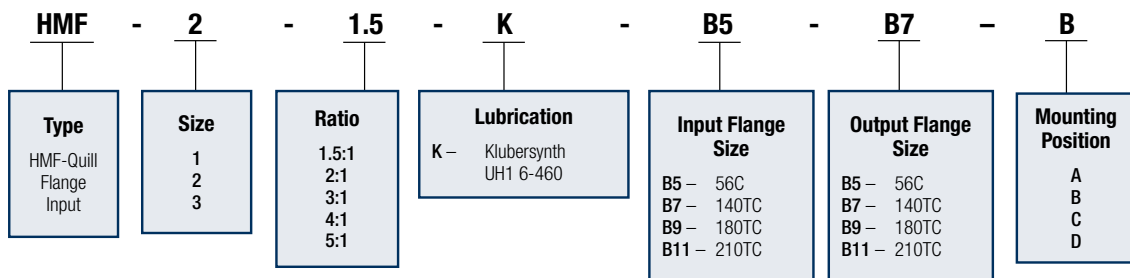
Application requirements: 125:1 reduction, 1 HP NEMA 140TC 1750 RPM, Service Class I, horizontal base, Klubersynth UH1 6-460 lubrication, with standard assembly.



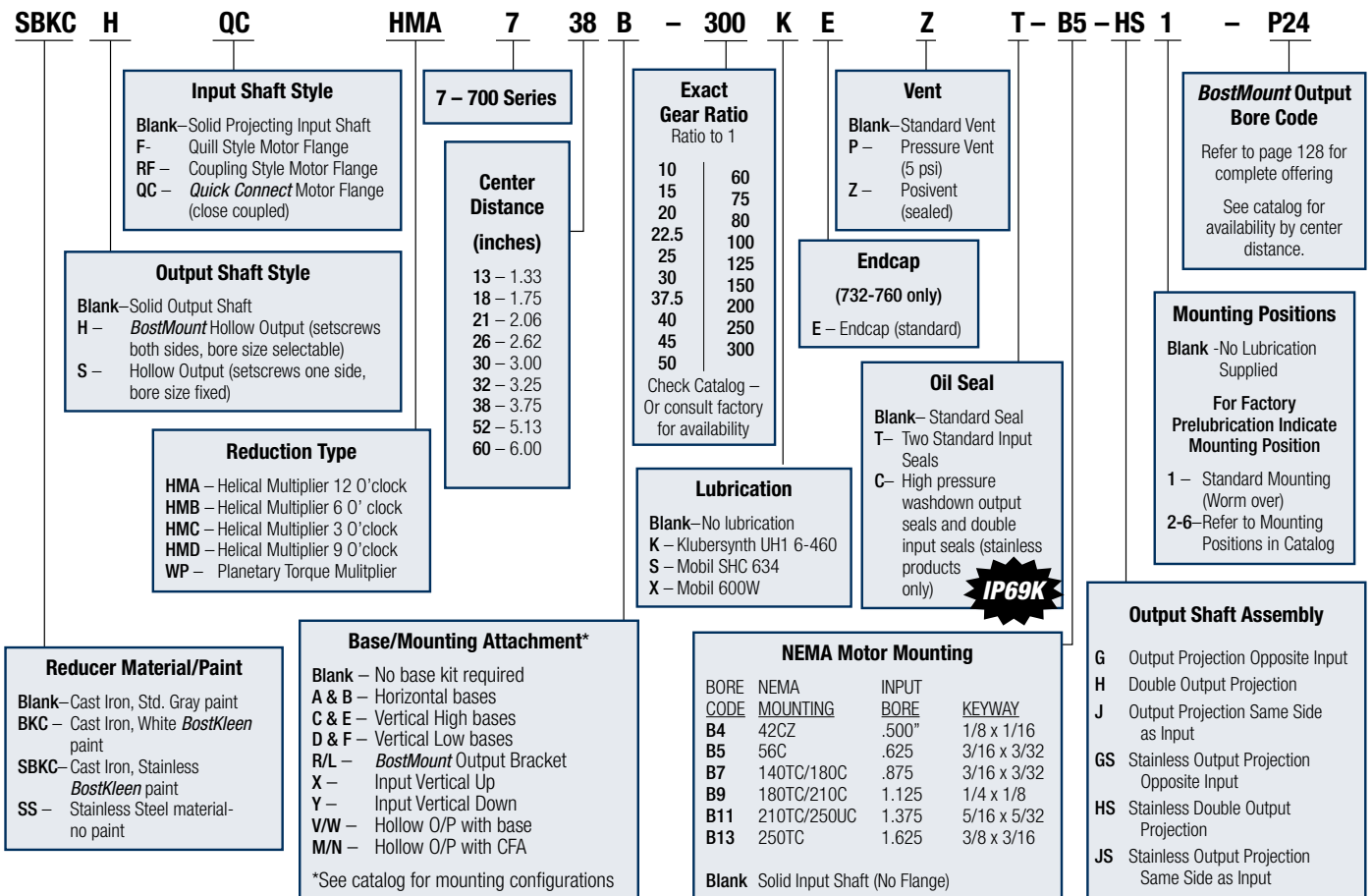
Assembled to an:



Each gearbox can be shipped separately or assembled.



700 Series Right Angle Helical-Worm Gearbox - Double Reduction



Assemblies

Standard assemblies define output shaft (slow speed) projection with respect to input shaft (high speed) and mounting surfaces.

Type "A" and "B" are horizontal bases.

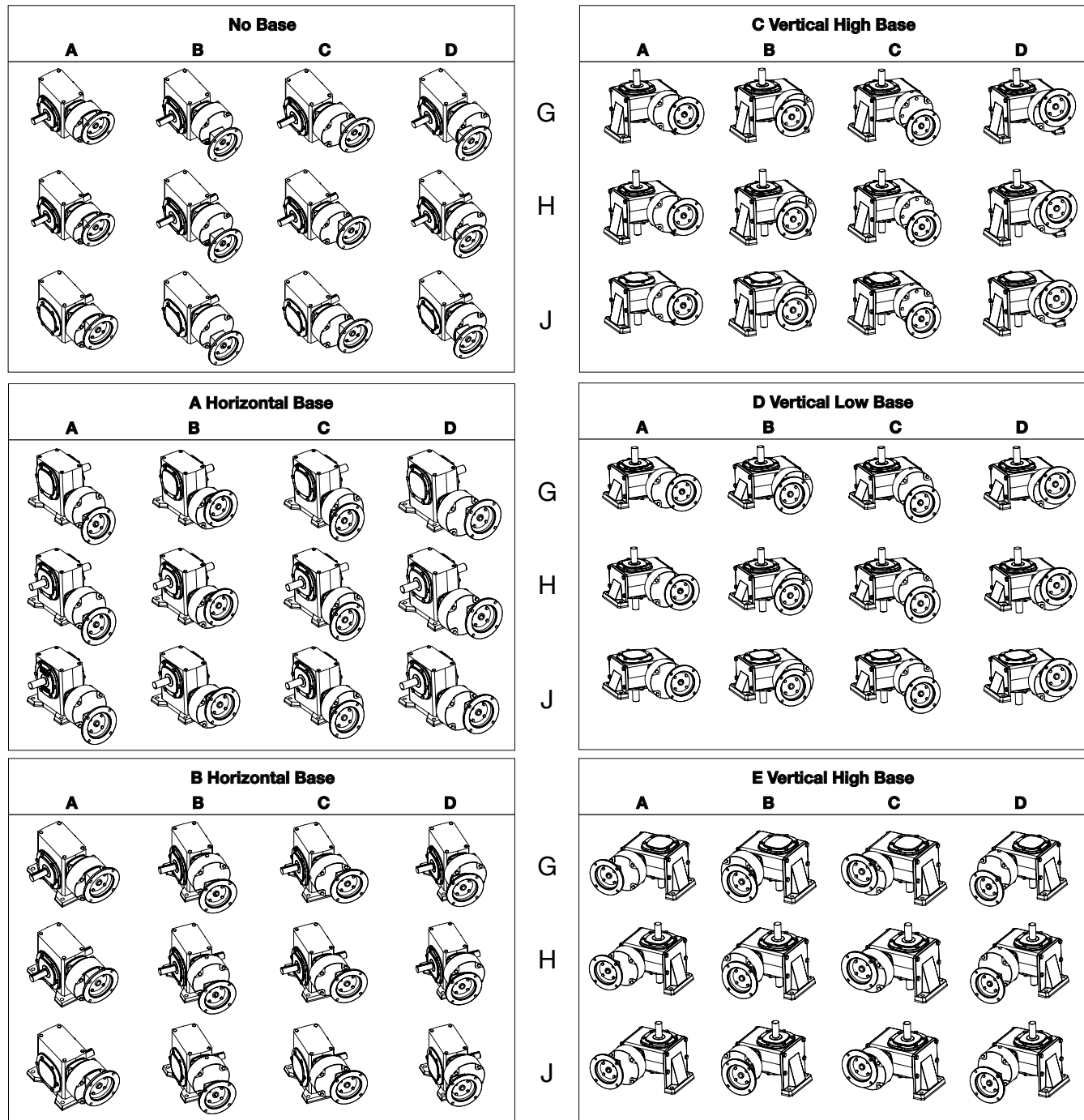
Types "C" and "E" are vertical high bases and types "D" and "F" are vertical low bases.

Type "X" is input vertical up.

Basic models and separate base kits are supplied unless otherwise specified. Assembly "H" available at a slight additional charge.

Input may rotate clockwise or counter clockwise.

FOR OTHER CONFIGURATIONS NOT SHOWN, CONTACT FACTORY.



Mounting Data

Assemblies

Standard assemblies define output shaft (slow speed) projection with respect to input shaft (high speed) and mounting surfaces.

Type “A” and “B” are horizontal bases.

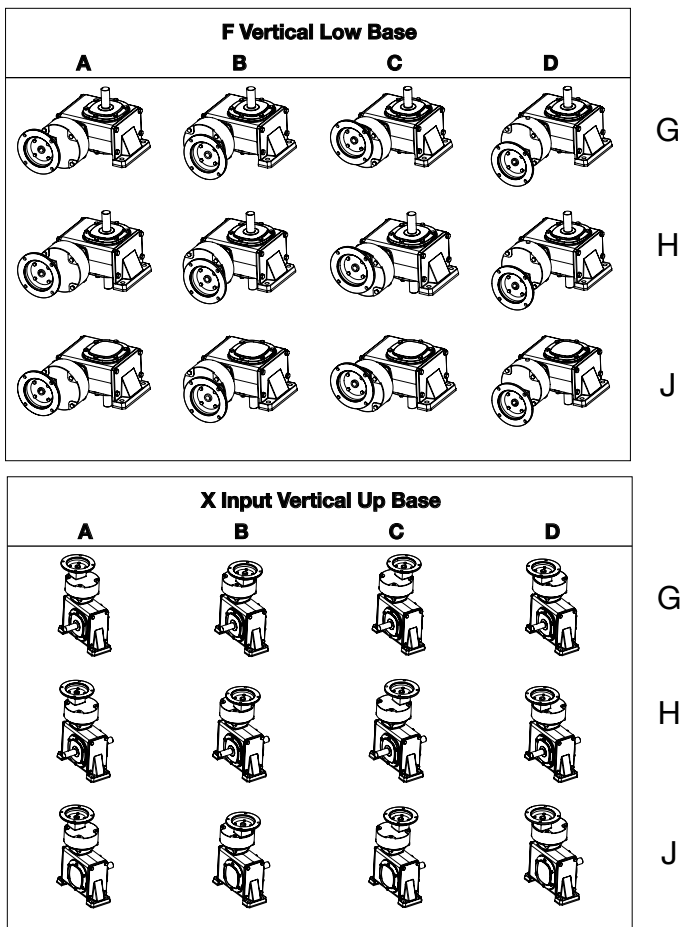
Types “C” and “E” are vertical high bases and types “D” and “F” are vertical low bases.

Type “X” is input vertical up.

Basic models and separate base kits are supplied unless otherwise specified. Assembly “H” available at a slight additional charge.

Input may rotate clockwise or counter clockwise.

FOR OTHER CONFIGURATIONS NOT SHOWN, CONTACT FACTORY.



C

Quick Reference Model Selection Chart

CLASS I SERVICE Single Reduction (1.0 Service Factor)

Reducer Ratio	Output RPM	Input Horsepower @ 1750 rpm													
		1/6	1/4	1/3	1/2	3/4	1	1-1/2	2	3	5	7-1/2	10	15	20
10	175		713	713	713	715	715	721	721	726	730	—	—	—	—
15	116.7		713	713	715	715	721	721	724	730	—	—	—	—	—
20	87.5	713	713	713	715	718	721	724	726	730	738	752	752	—	—
22.5	77.8	713	713	713	715	721	721	724	726	730	738	752	752	—	—
25	70	713	713	715	715	721	721	726	730	—	—	—	—	—	—
30	58.3	713	713	715	718	721	721	726	730	732	752	752	760	—	—
37.5	46.7	713	713	715	718	721	724	730	732	—	—	—	—	—	—
40	43.8	713	713	715	721	721	724	730	730	738	752	752	760	—	—
45	38.9	713	713	715	721	724	726	730	730	738	752	760	760	—	—
50	35	713	715	718	721	724	726	730	730	738	752	760	760	—	—
60	29.2	713	715	718	721	724	726	730	738	752	752	760	—	—	—
75	23.3	715	718	721	724	726	730	730	738	752	752	—	—	—	—
80	21.9	715	718	721	724	726	730	732	738	752	760	—	—	—	—
100	17.5	715	718	721	724	730	730	738	738	752	760	—	—	—	—
125	14	718	721	724	726	730	732	—	—	—	—	—	—	—	—
150	11.7	718	721	724	726	730	732	738	—	—	—	—	—	—	—
200	8.8	718	721	724	730	732	738	—	—	760	—	—	—	—	—
250	7	721	724	726	730	738	—	—	—	—	—	—	—	—	—
300	5.8	721	726	730	732	738	—	—	—	—	—	—	—	—	—

CLASS II SERVICE Single Reduction (1.25 Service Factor)

Reducer Ratio	Output RPM	Input Horsepower @ 1750 rpm													
		1/6	1/4	1/3	1/2	3/4	1	1-1/2	2	3	5	7-1/2	10	15	20
10	175		713	713	713	715	721	724	726	730	—	—	—	—	—
15	116.7		713	713	715	721	721	724	726	730	—	—	—	—	—
20	87.5	713	713	715	718	721	724	726	732	732	752	752	752	—	—
22.5	77.8	713	713	715	718	721	724	726	730	732	752	752	—	—	—
25	70	713	715	715	721	721	724	726	730	—	—	—	—	—	—
30	58.3	713	715	715	721	721	724	730	730	738	752	752	760	—	—
37.5	46.7	713	715	718	721	724	726	730	732	—	—	—	—	—	—
40	43.8	713	715	718	721	724	726	730	732	752	752	760	760	—	—
45	38.9	713	715	718	721	724	726	730	738	752	752	760	—	—	—
50	35	713	718	721	724	726	730	730	738	752	752	760	—	—	—
60	29.2	715	718	721	724	726	730	732	738	752	—	760	—	—	—
75	23.3	715	721	721	724	730	730	738	752	752	—	760	—	—	—
80	21.9	715	721	721	724	730	730	738	752	752	—	—	—	—	—
100	17.5	718	721	724	726	730	732	738	—	752	—	—	—	—	—
125	14	721	724	726	730	732	—	—	—	—	—	—	—	—	—
150	11.7	721	724	726	730	732	738	738	—	752	—	—	—	—	—
200	8.8	721	724	726	730	738	—	—	—	—	—	—	—	—	—
250	7	724	726	730	732	—	—	—	—	—	—	—	—	—	—
300	5.8	724	726	732	738	—	—	—	—	—	—	—	—	—	—

Note: This chart is meant only as a guide. For actual ratings, see Pages 110-118.

Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio	Flanged Reducers (Gearmotor)								Motors*		
		Gear Capacity			Available Models			Ratings			Catalog Nos.	
		Output Torque (lb.in.)	HP		F, QC, HF, SF, HQC, RF			MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
			Input	Output	Gearbox Size K							
175	10 2x5	203	0.67	0.56	HMF1-2K-B5-B5 with F713-5-(B5)			1/2 1/3 1/4	152 101 76	II III III	B5 B5 B5	FUTF EUTF DUTF
		315	1	0.87	HMF1-2K-B5-B5 with F715-5-(B5)			1 3/4 1/2	315 236 158	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		380	1.21	1.06	HMF1-2K-B5-B5 with F718-5-(B5)			1 3/4 1/2	315 236 158	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		622	1.94	1.73	HMF2-2K-B7-B7 with F721-5-(B7)			2 1 1/2	621 466	I II	B7 B7	KUTF JUTF
					HMF2-2K-B5-B5 with F721-5-(B5)			1	311	III	B5	HUTF-5/8
		850	2.72	2.36	HMF2-2K-B7-B7 with F724-5-(B7)			2 1 1/2	624 468	II II	B7 B7	KUTF JUTF
					HMF2-2K-B5-B5 with F724-5-(B5)			1	312	III	B5	HUTF-5/8
		1140	3.91	3.17	HMF3-2K-B9-B9 with F726-5-(B9)			3	943	I	B9	LUTF
					HMF2-2K-B7-B7 with F726-5-(B7)			2 1 1/2	629 471	II III	B7 B7	KUTF JUTF
		1944	5.98	5.4	HMF3-2K-B9-B9 with F730-5-(B9)			5	1624	I	B9	MUTF
HMF2-2K-B7-B7 with F730-5-(B7)					3 2	974 650	II III	B7 B7	LUTF KUTF			
116.7	15 3x5	211	0.462	0.391	HMF1-3K-B5-B5 with F713-5-(B5)			1/3 1/4	152 114	II III	B5 B5	EUTF DUTF
		337	0.752	0.624	HMF1-3K-B5-B5 with F715-5-(B5)			3/4 1/2 1/3	334 223 148	I II III	B5 B5 B5	GUTF FUTF EUTF
		411	0.902	0.761	HMF1-3K-B5-B5 with F718-5-(B5)			3/4 1/2 1/3	342 228 152	I II III	B5 B5 B5	GUTF FUTF EUTF
		697	1.510	1.291	HMF2-3K-B7-B7 with F721-5-(B7)			1 1/2	691	I	B7	JUTF
					HMF2-3K-B5-B5 with F721-5-(B5)			1 3/4	461 346	II III	B5 B5	HUTF-5/8 GUTF
		962	2.06	1.798	HMF2-3K-B7-B7 with F724-5-(B7)			2 1 1/2	934 700	I II	B7 B7	KUTF JUTF
					HMF2-3K-B5-B5 with F724-5-(B5)			1	467	III	B5	HUTF-5/8
		1313	2.815	2.431	HMF2-3K-B7-B7 with F726-5-(B7)			2 1 1/2	932 700	II III	B7 B7	KUTF JUTF
		2326	4.93	4.31	HMF3-3K-B9-B9 with F730-5-(B9)			3	1414	II	B9	LUTF
					HMF2-3K-B7-B7 with F730-5-(B7)			2	943	III	B7	KUTF
87.5	20 2x10	257	0.426	0.357	HMF1-2K-B5-B5 with F713-10-(B5)			1/3 1/4 1/6	200 151 100	I II III	B5 B5 B5	EUTF DUTF CUTF
		370	0.604	0.514	HMF1-2K-B5-B5 with F715-10-(B5)			1/2 1/3 1/4	306 204 153	I II III	B5 B5 B5	FUTF EUTF DUTF
		510	0.829	0.708	HMF1-2K-B5-B5 with F718-10-(B5)			3/4 1/2 1/3	461 307 205	I II III	B5 B5 B5	GUTF FUTF EUTF
		777	1.26	1.08	HMF2-2K-B5-B5 with F721-10-(B7)			1 3/4 1/2	615 461 307	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see our Electrical Products Catalog.

Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio	Flanged Reducers (Gearmotor)								Motors*				
		Gear Capacity			Available Models		Ratings				Catalog Nos.			
		Output Torque (lb.in.)	HP		F, QC, HF, SF, HQC, RF		MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz			
			Input	Output	Gearbox Size K									
87.5	20 2X10	1130	1.81	1.57	HMF2-2K-B7-B7 with F724-10-(B7)		1 1/2	938	I	B7	JUTF			
					HMF2-2K-B5-B5 with F724-10-(B5)		1 3/4	625 469	II III	B5 B5	HUTF-5/8 GUTF			
		1515	2.44	2.103	HMF2-2K-B7-B7 with F726-10-(B7)		2 1 1/2	1242 931	I II	B7 B7	KUTF JUTF			
					HMF2-2K-B5-B5 with F726-10-(B5)		1	621	III	B5	HUTF-5/8 K			
		2370	3.75	3.29	HMF3-2K-B9-B9 with F730-10-(B9)		3	1881	II	B9	LUTF			
					HMF2-2K-B7-B7 with F730-10-(B7)		2	1254	III	B7	KUTF			
		2660	4.23	3.69	HMF3-2K-B9-B9 with F732-10-(B9)		3	1886	II	B9	LUTF			
		3700	5.92	5.14	HMF3-2K-B9-B9 with F738-10-(B9)		5 3	3125 1875	I II	B9 B9	MUTF LUTF			
HMF3-2K-B11-B11 with RF752-10-(B11)					10 7 1/2	6286 4714	II III	B11 B11	PUTF NUTF					
77.8	22.5 1.5X15	262	0.381	0.32	HMF1-1.5K-B5-B5 with F713-15-(B5)		1/3 1/4 1/6	226 170 113	I II III	B5 B5 B5	EUTF DUTF CUTF			
					376	0.546	0.46	HMF1-1.5K-B5-B5 with F715-15-(B5)		1/2 1/3 1/4	337 225 169	I II III	B5 B5 B5	FUTF EUTF DUTF
								472	0.69	0.57	HMF1-1.5K-B5-B5 with F718-15-(B5)		1/2 1/3	334 223
		752	1.09	0.91							HMF1-1.5K-B5-B5 with F721-15-(B5)		1 3/4 1/2	674 506 337
					1060	1.56	1.29	HMF2-1.5K-B7-B7 with F724-15-(B7)		1 1/2	1006	I	B7	JUTF
		HMF2-1.5K-B5-B5 with F724-15-(B5)		1 3/4				671 503	II III	B5 B5	HUTF-5/8 GUTF			
		1425	2.07	1.73	HMF2-1.5K-B7-B7 with F726-15-(B7)		2 1 1/2	1353 1014	I II	B7 B7	KUTF JUTF			
					HMF2-1.5K-B5-B5 with F726-15-(B5)		1	677	III	B5	HUTF-5/8			
		2425	3.51	2.95	HMF3-1.5K-B9-B9 with F730-15-(B9)		3	2039	I	B9	LUTF			
					HMF2-1.5K-B7-B7 with F730-15-(B7)		2 1 1/2	1359 1019	II III	B7 B7	KUTF JUTF			
		2600	3.74	3.16	HMF3-1.5K-B9-B9 with F732-15-(B9)		3	2053	II	B9	LUTF			
		3600	5.14	4.38	HMF3-1.5K-B9-B9 with F738-15-(B9)		5 3	3449 2070	I II	B9 B9	MUTF LUTF			
					7700	10.82	9.37	HMF3-1.5K-B11-B11 with RF752-15-(B11)		10 7 1/2	7008 5256	I II	B11 B11	PUTF NUTF
		HMF3-1.5K-B9-B9 with RF752-15-(B9)		5				3504	III	B9	MUTF			
10800	15.18	13.14	HMF3-1.5K-B11-B11 with RF760-15-(B11)		10 7 1/2	7008 5256	II III	B11 B11	PUTF NUTF					

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see our Electrical Products Catalog.



Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio	Flanged Reducers (Gearmotor)								Motors*	
		Gear Capacity			Available Models		Ratings			Catalog Nos.	
		Output Torque (lb.in.)	HP		F, QC, HF, SF, HQC, RF		MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
			Input	Output	Gearbox Size K						
70	25 5x5	225	0.307	0.25	HMF1-5K-B5-B5 with F713-5-(B5)		1/4 1/6	183 122	I II	B5 B5	DUTF CUTF
		353	0.486	0.392	HMF1-5K-B5-B5 with F715-5-(B5)		1/2 1/3 1/4	353 242 181	I II III	B5 B5 B5	FUTF EUTF DUTF
		435	0.6	0.483	HMF1-5K-B5-B5 with F718-5-(B5)		1/2 1/3 1/4	362 242 181	I II III	B5 B5 B5	FUTF EUTF DUTF
		756	1.00	0.84	HMF1-5K-B5-B5 with F721-5-(B5)		1 3/4 1/2	758 568 379	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		1081	1.394	1.201	HMF1-5K-B5-B5 with F724-5-(B5)		1 3/4 1/2	775 581 388	II II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		1451	1.89	1.612	HMF2-5K-B7-B7 with F726-5-(B7)		1-1/2	1163	II	B7	JUTF
		2590	3.41	2.877	HMF2-5K-B5-B5 with F726-5-(B5)		1 3/4	775 581	II III	B5 B5	HUTF-5/8 GUTF
58.3	30 2x15	277	0.31	0.256	HMF1-2K-B5-B5 with F713-15-(B5)		1/4 1/6	223 148	I II	B5 B5	DUTF CUTF
		400	0.45	0.37	HMF1-2K-B5-B5 with F715-15-(B5)		1/3 1/4 1/6	297 223 148	II II III	B5 B5 B5	EUTF DUTF CUTF
		510	0.572	0.472	HMF1-2K-B5-B5 with F718-15-(B5)		1/2 1/3 1/4	445 297 223	I II III	B5 B5 B5	FUTF EUTF DUTF
	30 3x10	842	0.96	0.78	HMF1-3K-B5-B5 with F721-10-(B5)		1 3/4 1/2 1/3	842 660 440 293	I II III III	B5 B5 B5 B5	HUTF-5/8 GUTF FUTF EUTF
		1241	1.345	1.148	HMF2-3K-B5-B5 with F724-10-(B5)		1 3/4 1/2	930 698 465	II II III	B5 B5 B5	HUTF GUTF FUTF
		1665	1.82	1.54	HMF2-3K-B7-B7 with F726-10-(B7)		1-1/2	1367	I	B7	JUTF
		2672	2.93	2.472	HMF2-3K-B5-B5 with F726-10-(B5)		1 3/4	911 684	II III	B5 B5	HUTF GUTF
					HMF2-3K-B7-B7 with F730-10-(B7)		2 1-1/2	1823 1367	II III	B7 B7	KUTF JUTF
		2890	3.132	2.673	HMF2-3K-B5-B5 with F730-10-(B5)		1	911	III	B5	HUTF-5/8
					HMF3-3K-B9-B9 with F732-10-(B9)		3	2766	I	B9	LUTF
	4044	4.432	3.741	HMF2-3K-B7-B7 with F732-10-(B7)		2 1-1/2	1844 1382	II III	B7 B7	KUTF JUTF	
				HMF3-3K-B9-B9 with F738-10-(B9)		3 2	2734 1823	II III	B9 B9	LUTF KUTF	
	30 2x15	9.35	8.103	HMF3-2K-B11-B11 with RF752-15-(B11)		7-1/2	7016	II	B11	NUTF	
				HMF3-2K-B9-B9 with RF752-15-(B9)		5 3	4677 1871	II III	B9 B9	MUTF LUTF	
HMF3-2K-B11-B11 with RF760-15-(B11)				10 7-1/2	9345 7008	II II	B11 B11	PUTF NUTF			
HMF3-2K-B9-B9 with RF760-15-(B9)				5	4672	III	B9	MUTF			

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Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio	Flanged Reducers (Gearmotor)								Motors*		
		Gear Capacity			Available Models			Ratings			Catalog Nos.	
		Output Torque (lb.in.)	HP		F, QC, HF, SF, HQC, RF			MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
			Input	Output	Gearbox Size K							
46.7	37.5 1.5 x 25	491	0.49	0.36	HMF1-1.5K-B5-B5 with F718-25-(B5)			1/2 1/3 1/6	491 327 245	I II III	B5 B5 B5	FUTF EUTF CUTF
		792	0.75	0.58	HMF1-1.5K-B5-B5 with F721-25-(B5)			3/4 1/2 1/3	792 528 352	I II III	B5 B5 B5	GUTF FUTF EUTF
		1150	1.06	0.84	HMF1-1.5K-B5-B5 with F724-25-(B5)			1 3/4 1/2	1068 800 534	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		1525	1.35	1.11	HMF1-1.5K-B5-B5 with F726-25-(B5)			1 3/4	1109 832	II III	B5 B5	HUTF-5/8 GUTF
		2560	2.37	1.86	HMF2-1.5K-B7-B7 with F730-25-(B7)			2 1-1/2	2118 1589	I II	B7 B7	KUTF JUTF
					HMF2-1.5K-B5-B5 with F730-25-(B5)			1	1059	III	B5	HUTF-5/8
		3000	2.73	2.19	HMF2-1.5K-B7-B7 with F732-25-(B7)			2 1-1/2	2118 1589	II III	B7 B7	KUTF JUTF
43.8	40 4x10	279	0.25	0.194	HMF1-4K-B5-B5 with F713-10-(B5)			1/4 1/6	279 186	I II	B5 B5	DUTF CUTF
		404	0.36	0.28	HMF1-4K-B5-B5 with F715-10-(B5)			1/3 1/4 1/6	372 279 186	I II III	B5 B5 B5	EUTF DUTF CUTF
		566	0.468	0.393	HMF1-4K-B5-B5 with F718-10-(B5)			1/3 1/4	391 293	II III	B5 B5	EUTF DUTF
		880	0.79	0.61	HMF1-4K-B5-B5 with F721-10-(B5)			3/4 1/2 1/3	878 587 391	I II III	B5 B5 B5	GUTF FUTF EUTF
		1298	1.08	0.901	HMF1-4K-B5-B5 with F724-10-(B5)			1 3/4 1/2	1201 900 600	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		1754	1.46	1.218	HMF2-4K-B5-B5 with F726-10-(B5)			1 3/4	1201 900	II III	B5 B5	HUTF-5/8 GUTF
		2842	2.36	1.973	HMF2-4K-B7-B7 with F730-10-(B7)			2 1-1/2	2402 1802	I II	B7 B7	KUTF JUTF
					HMF2-4K-B5-B5 with F730-10-(B5)			1	1201	III	B5	HUTF-5/8
		3014	2.51	2.092	HMF2-4K-B7-B7 with F732-10-(B7)			2 1-1/2	2402 1802	II II	B7 B7	KUTF JUTF
		4242	3.52	2.94	HMF3-4K-B9-B9 with F738-10-(B9)			3	3604	I	B9	LUTF
		9413	7.74	6.53	HMF3-4K-B11-B11 with RF752-10-(B11)			7-1/2	9009	I	B11	NUTF
					HMF3-4K-B9-B9 with RF752-10-(B9)			5 3	6006 3604	II III	B9 B9	MUTF LUTF
15112	12.28	10.49	HMF3-4K-B11-B11 with RF760-10-(B11)			10 7-1/2	12012 9009	II II	B11 B11	PUTF NUTF		
			HMF3-4K-B9-B9 with RF760-10-(B9)			5	6006	III	B9	MUTF		
38.9	45 3x15	296	0.25	0.183	HMF1-3K-B5-B5 with F713-15-(B5)			1/4 1/6	296 202	II II	B5 B5	DUTF CUTF
		425	0.346	0.262	HMF1-3K-B5-B5 with F715-15-(B5)			1/3 1/4 1/6	408 306 204	I II III	B5 B5 B5	EUTF DUTF CUTF
		545	0.428	0.336	HMF1-3K-B5-B5 with F718-15-(B5)			1/3 1/4 1/6	424 318 212	II II III	B5 B5 B5	EUTF DUTF CUTF
		856	0.66	0.53	HMF1-3K-B5-B5 with F721-15-(B5)			1/2 1/3	652 435	II III	B5 B5	FUTF EUTF

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see our Electrical Products Catalog.



Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio	Flanged Reducers (Gearmotor)								Motors*		
		Gear Capacity		Available Models			Ratings			Catalog Nos.		
		Output Torque (lb.in.)	HP		F, QC, HF, SF, HQC, RF			MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
			Input	Output	Gearbox Size K							
38.9	45 3x15	1279	0.951	0.789	HMF2-3K-B5-B5 with F724-15-(B5)			3/4 1/2	978 652	II III	B5 B5	GUTF FUTF
		1744	1.337	1.076	HMF2-3K-B5-B5 with F726-15-(B5)			1 3/4 1/2	1304 978 652	II III III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		3051	2.319	1.883	HMF2-3K-B7-B7 with F730-15-(B7)			2 1-1/2	2608 1956	I II	B7 B7	KUTF JUTF
					HMF2-3K-B5-B5 with F730-15-(B5)			1	1304	III	B5	HUTF-5/8
		3126	2.34	1.929	HMF2-3K-B7-B7 with F732-15-(B7)			2 1-1/2	2671 2003	I II	B7 B7	KUTF JUTF
					HMF2-3K-B5-B5 with F732-15-(B5)			1	1304	III	B5	HUT-5/8
		4380	3.24	2.703	HMF3-3K-B9-B9 with F738-15-(B9)			3	4054	I	B9	LUTF
9913	7.25	6.118	HMF3-3K-B9-B9 with RF752-15-(B9)			5 3	6757 4054	II III	B9 B9	MUTF LUTF		
13874	10.15	8.563	HMF3-3K-B11-B11 with RF752-15-(B11)			10 7-1/2	13514 10135	I II	B11 B11	PUTF NUTF		
35	50 5x10	283	0.205	0.157	HMF1-5K-B5-B5 with F713-10-(B5)			1/6	232	I	B5	CUTF
		411	0.296	0.228	HMF1-5K-B5-B5 with F715-10-(B5)			1/4 1/6 1/3	347 232 477	I II I	B5 B5 B5	DUTF CUTF EUTF
					HMF1-5K-B5-B5 with F718-10-(B5)			1/4 1/6	356 239	II III	B5 B5	DUTF CUTF
					HMF1-5K-B5-B5 with F721-10-(B5)			1/2 1/3	690 460	II III	B5 B5	FUTF EUTF
		1332	0.89	0.74	HMF2-5K-B5-B5 with F724-10-(B5)			3/4 1/2 1/3	1123 749 499	I II III	B5 B5 B5	GUTF FUTF EUTF
		1807	1.217	1.003	HMF2-5K-B5-B5 with F726-10-(B5)			1 3/4 1/2	1484 1113 742	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
					2944	2.03	1.635	HMF2-5K-B7-B7 with F730-10-(B7)			2 1-1/2	2898 2174
		HMF2-5K-B5-B5 with F730-10-(B5)						1	1449	III	B5	HUTF-5/8
		3088	2.016	1.715	HMF2-5K-B7-B7 with F732-10-(B7)			2 1-1/2	2968 2226	I II	B7 B7	KUTF JUTF
					HMF2-5K-B5-B5 with F732-10-(B5)			1	1484	III	B5	HUTF-5/8
		4361	2.91	2.422	HMF3-5K-B9-B9 with F738-10-(B9)			3	4361	I	B9	LUTF
					HMF2-5K-B7-B7 with F738-10-(B7)			2 1-1/2	2989 2242	II III	B7	KUTF JUTF
9695	6.39	5.384	HMF3-5K-B9-B9 with RF752-10-(B9)			5 3	7578 4547	II III	B9	MUTF LUTF		
15757	10.39	8.75	HMF3-5K-B11-B11 with RF760-10-(B11)			10 7-1/2	15155 11366	I II	B11	PUTF NUTF		
			HMF3-5K-B9-B9 with RF760-10-(B9)			5	7578	III	B9	MUTF		
29.2	60 4x15	302	0.192	0.14	HMF1-4K-B5-B5 with F713-15-(B5)			1/6	262	I	B5	CUTF
		438	0.278	0.203	HMF1-4K-B5-B5 with F715-15-(B5)			1/4 1/6	393 262	I II	B5 B5	DUTF CUTF
					HMF1-4K-B5-B5 with F718-15-(B5)			1/3 1/4 1/6	524 393 262	I II II	B5 B5 B5	EUTF DUTF CUTF

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see our Electrical Products Catalog.

Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio	Flanged Reducers (Gearmotor)								Motors*	
		Gear Capacity			Available Models		Ratings			Catalog Nos.	
		Output Torque (lb.in.)	HP		F, QC, HF, SF, HQC, RF		MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
			Input	Output	Gearbox Size K						
29.2	60 4X15	890	0.525	0.412	HMF1-4K-B5-B5 with F721-15-(B5)		1/2 1/3 1/4	848 566 424	I II III	B5 B5 B5	FUTF EUTF DUTF
		1334	0.796	0.617	HMF2-4K-B5-B5 with F724-15-(B5)		3/4 1/2 1/3	1257 838 556	I II III	B5 B5 B5	GUTF FUTF EUTF
		1838	1.09	0.851	HMF2-4K-B5-B5 with F726-15-(B5)		1 3/4 1/2	1676 1257 838	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		3220	1.92	1.49	HMF2-4K-B7-B7 with F730-15-(B7)		1-1/2	2514	I	B7	JUTF
					HMF2-4K-B5-B5 with F730-15-(B5)		1 3/4	1676 1257	II III	B5 B5	HUTF-5/8 GUTF
		3299	1.87	1.53	HMF2-4K-B7-B7 with F732-15-(B7)		1-1/2	2640	II	B7	JUTF
					HMF2-4K-B5-B5 with F732-15-(B5)		1 3/4	1781 1336	II III	B5	HUTF-5/8 GUTF
		4628	2.56	2.14	HMF2-4K-B7-B7 with F738-15-(B7)		2 1-1/2	3562 2671	II II	B7 B7	KUTF JUTF
					HMF2-4K-B5-B5 with F738-15-(B5)		1	1781	III	B5	HUTF-5/8
		10512	5.9	4.86	HMF3-4K-B9-B9 with RF752-15-(B9)		5 3	8905 4343	I III	B9 B9	MUTF LUTF
14817	8.32	6.86	HMF3-4K-B11-B11 with RF760-15-(B11)		7-1/2 5	13357 8905	I II	B11 B11	NUTF MUTF		
			HMF3-4K-B9-B9 with RF760-15-(B9)		3	5343	III	B9	LUTF		
23.3	75 5X15	446	0.24	0.165	HMF1-5K-B5-B5 with F715-15-(B5)		1/6	314	II	B5	CUTF
		570	0.289	0.211	HMF1-5K-B5-B5 with F718-15-(B5)		1/4 1/6	491 327	I II	B5 B5	DUTF CUTF
		910	0.434	0.336	HMF1-5K-B5-B5 with F721-15-(B5)		1/3 1/4 1/6	698 524 349	II II III	B5 B5 B5	EUTF DUTF CUTF
		1367	0.66	0.505	HMF2-5K-B5-B5 with F724-15-(B5)		1/2 1/3	1034 690	II III	B5 B5	FUTF EUTF
		1895	0.92	0.701	HMF2-5K-B5-B5 with F726-15-(B5)		3/4 1/2 1/3	1548 1031 688	I II III	B5 B5 B5	GUTF FUTF EUTF
		3221	1.59	1.191	HMF2-5K-B7-B7 with F730-15-(B7)		1-1/2 1	3025 2017	I II	B7	JUTF HUTF-5/8
					HMF2-5K-B5-B5 with F730-15-(B5)		3/4	1512	III	B5	GUTF
		3402	1.58	1.258	HMF2-5K-B7-B7 with F732-15-(B7)		1-1/2 1	3221 2148	I II	B7 B7	JUTF HUTF-5/8
					HMF2-5K-B5-B5 with F732-15-(B5)		3/4	1611	III	B5	GUTF
		4776	2.22	1.766	HMF2-5K-B7-B7 with F738-15-(B7)		2 1-1/2	4295 3221	I II	B7 B7	KUTF JUTF
					HMF2-5K-B5-B5 with F738-15-(B5)		1	2148	III	B5	HUTF-5/8
		10872	5.05	4.019	HMF3-5K-B9-B9 with RF752-15-(B9)		5 3	10738 6443	I II	B9 B9	MUTF LUTF
15383	6.98	5.687	HMF3-5K-B9-B9 with RF760-15-(B9)		5 3	11000 6600	II III	B9 B9	MUTF LUTF		
21.9	80 4X20	448	0.228	0.156	HMF1-4K-B5-B5 with F715-20-(B5)		1/6	326	II	B5	CUTF
		627	0.303	0.218	HMF1-4K-B5-B5 with F718-20-(B5)		1/4 1/6	517 344	I II	B5 B5	DUTF CUTF

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see our Electrical Products Catalog.



Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio	Flanged Reducers (Gearmotor)								Motors*	
		Gear Capacity			Available Models		Ratings			Catalog Nos.	
		Output Torque (lb.in.)	HP		F, QC, HF, SF, HQC, RF		MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
			Input	Output	Gearbox Size K						
21.9	80 4x20	936	0.45	0.33	HMF1-4K-B5-B5 with F721-20-(B5)		1/3 1/4 1/6	698 524 349	II II III	B5 B5 B5	EUTF DUTF CUTF
		1395	0.657	0.485	HMF2-4K-B5-B5 with F724-20-(B5)		1/2 1/3	1062 707	II III	B5 B5	FUTF EUTF
		1864	0.8	0.648	HMF2-4K-B5-B5 with F726-20-(B5)		3/4 1/2 1/3	1697 1131 754	I II III	B5 B5 B5	GUTF FUTF EUTF
		3100	1.22	1.077	HMF2-4K-B5-B5 with F730-20-(B5)		1 3/4 1/2	2514 1886 1256	II II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		3677	1.646	1.278	HMF2-4K-B7-B7 with F732-20-(B7)		1-1/2	3352	I	B7	JUTF
					HMF2-4K-B5-B5 with F732-20-(B5)		1 3/4	2234 1676	II III	B5	HUTF-5/8 GUTF
		5285	2.337	1.836	HMF2-4K-B7-B7 with F738-20-(B7)		2 1-1/2	4525 3394	I II	B7 B7	KUTF JUTF
					HMF2-4K-B5-B5 with F738-20-(B5)		1	2263	III	B5	HUTF-5/8
		10450	4.68	3.63	HMF3-4K-B9-B9 with RF752-20-(B9)		3	6705	II	B9	LUTF
15140	6.56	5.261	HMF3-4K-B9-B9 with RF760-20-(B9)		5 3	11537 6922	II III	B9 B9	MUTF LUTF		
17.5	100 5x20	457	0.19	0.127	HMF1-5K-B5-B5 with F715-20-(B5)		1/6	402	I	B5	CUTF
		643	0.259	0.179	HMF1-5K-B5-B5 with F718-20-(B5)		1/4 1/6	620 413	I II	B5 B5	DUTF CUTF
		957	0.37	0.27	HMF1-5K-B5-B5 with F721-20-(B5)		1/3 1/4 1/6	861 646 431	I II III	B5 B5 B5	EUTF DUTF CUTF
		1435	0.562	0.398	HMF2-5K-B5-B5 with F724-20-(B5)		1/2 1/3 1/4	1275 850 637	I II III	B5 B5 B5	FUTF EUTF DUTF
		1912	0.68	0.531	HMF2-5K-B5-B5 with F726-20-(B5)		1/2 1/3	1379 1000	II III	B5 B5	FUTF EUTF
		3225	1.15	0.895	HMF2-5K-B5-B5 with F730-20-(B5)		1 3/4 1/2	2759 2069 1379	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		3721	1.4	1.003	HMF2-5K-B5-B5 with F732-20-(B5)		1 3/4 1/2	2654 1990 1327	II II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		5418	2.01	1.504	HMF2-5K-B7-B7 with F738-20-(B7)		2 1-1/2	5378 4033	I II	B7 B7	KUTF JUTF
					HMF2-5K-B5-B5 with F738-20-(B5)		1	2689	III	B5	HUTF-5/8
		10744	3.89	2.98	HMF3-5K-B9-B9 with RF752-20-(B9)		3	8276	II	B9	LUTF K
15622	5.43	4.338	HMF3-5K-B9-B9 with RF760-20-(B9)		5 3	13968 8381	I II	B9 B9	MUTF LUTF		
14	125 5X25	609	0.205	0.135	HMF1-5K-B5-B5 with F718-25-(B5)		1/6	495	I	B5	CUTF
		933	0.31	0.21	HMF1-5K-B5-B5 with F721-25-(B5)		1/4 1/6	917 611	I II	B5 B5	DUTF CUTF
		1407	0.46	0.313	HMF2-5K-B5-B5 with F724-25-(B5)		1/3 1/4 1/6	1018 764 509	II II III	B5 B5 B5	EUTF DUTF CUTF
		1937	0.59	0.43	HMF2-5K-B5-B5 with F726-25-(B5)		1/2 1/3 1/4	1637 1091 818	I II III	B5 B5 B5	FUTF EUTF DUTF

* Totally Enclosed, Fan Cooled. For complete motor Catalog Numbers and additional motors, see our Electrical Products Catalog.

Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio	Flanged Reducers (Gearmotor)								Motors*		
		Gear Capacity		Available Models			Ratings			Catalog Nos.		
		Output Torque (lb.in.)	HP		F, QC, HF, SF, HQC, RF			MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
			Input	Output	Gearbox Size K							
14	125 5x25	3158	0.95	0.701	HMF2-5K-B5-B5 with F730-25-(B5)			1 3/4 1/2	3158 2423 1615	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		3373	1.1	0.75	HMF2-5K-B5-B5 with F732-25-(B5)			1 3/4 1/2	3230 2423 1615	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
11.7	150 5x30	663	0.186	0.123	HMF1-5K-B5-B5 with F718-30-(B5)			1/6	594	I	B5	CUTF
		977	0.28	0.18	HMF1-5K-B5-B5 with F721-30-(B5)			1/4 1/6	877 585	I II	B5 B5	DUTF CUTF
		1415	0.404	0.263	HMF2-5K-B5-B5 with F724-30-(B5)			1/3 1/4 1/6	1170 877 585	I II III	B5 B5 B5	EUTF DUTF CUTF
		1969	0.562	0.366	HMF2-5K-B5-B5 with F726-30-(B5)			1/2 1/3 1/4	1756 1170 877	I II III	B5 B5 B5	FUTF EUTF DUTF
		3404	1.002	0.632	HMF2-5K-B5-B5 with F730-30-(B5)			1 3/4 1/2	3404 2553 1702	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		3788	1.1	0.73	HMF2-5K-B5-B5 with F732-30-(B5)			1 3/4 1/2	3404 2553 1702	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		5303	1.39	0.984	HMF2-5K-B5-B5 with F738-30-(B5)			1 3/4	3824 2868	II II	B5 B5	HUTF-5/8 GUTF
		11381	3.11	2.113	HMF3-5K-B9-B9 with RF752-30-(B9)			3	11000	II	B9	LUTF
		15932	4.08	2.958	HMF3-5K-B9-B9 with RF760-30-(B9)			3	11000	II	B9	LUTF
8.8	200 5x40	643	0.162	0.089	HMF1-5K-B5-B5 with F718-40-(B5)			1/6	640	I	B5	CUTF
		957	0.25	0.13	HMF1-5K-B5-B5 with F721-40-(B5)			1/4 1/6	950 640	I II	B5 B5	DUTF CUTF
		1435	0.35	0.199	HMF2-5K-B5-B5 with F724-40-(B5)			1/3 1/4 1/6	1327 995 663	I II III	B5 B5 B5	EUTF DUTF CUTF
		1912	0.464	0.265	HMF2-5K-B5-B5 with F726-40-(B5)			1/3 1/4	1374 1030	II III	B5 B5	EUTF DUTF
		3303	0.775	0.459	HMF2-5K-B5-B5 with F730-40-(B5)			3/4 1/2 1/3	3195 2130 1420	I II III	B5 B5 B5	GUTF FUTF EUTF
		3636	0.8	0.505	HMF2-5K-B5-B5 with F732-40-(B5)			3/4 1/2 1/3	3405 2270 1513	I II III	B5 B5 B5	GUTF FUTF EUTF
		5418	1.17	0.752	HMF2-5K-B5-B5 with F738-40-(B5)			1 3/4 1/2	4609 3457 2305	I II III	B5 B5 B5	HUTF-5/8 CUTF FUTF
		15623	3.19	2.169	HMF3-5K-B9-B9 with F760-40-(B9)			3	14457	I	B9	LUTF

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Double Reduction Output RPM & Capacity Selection Tables

@ 1750 RPM Input

Output RPM	Ratio	Flanged Reducers (Gearmotor)								Motors*		
		Gear Capacity		Available Models			Ratings			Catalog Nos.		
		Output Torque (lb.in.)	HP		F, QC, HF, SF, HQC, RF			MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
			Input	Output	Gearbox Size K							
7	250 5x50	915	0.18	0.10	HMF1-5K-B5-B5 with F721-50-(B5)			1/6	844	I	B5	CUTF
		1340	0.274	0.149	HMF2-5K-B5-B5 with F724-50-(B5)			1/4 1/6	1222 814	I II	B5 B5	DUTF CUTF
		1848	0.359	0.205	HMF2-5K-B5-B5 with F726-50-(B5)			1/3 1/4 1/6	1717 1288 858	I II III	B5 B5 B5	EUTF DUTF CUTF
		3008	0.604	0.334	HMF2-5K-B5-B5 with F730-50-(B5)			1/2 1/3 1/4	2488 1659 1244	I II III	B5 B5 B5	FUTF EUTF DUTF
		3210	0.634	0.356	HMF2-5K-B5-B5 with F732-50-(B5)			1/2 1/3	2488 1659	II III	B5 B5	FUTF EUTF
		4373	0.862	0.486	HMF2-5K-B5-B5 with F738-50-(B5)			3/4 1/2 1/3	3798 2532 1688	I II III	B5 B5 B5	GUTF FUTF EUTF
5.8	300 5x60	877	0.17	0.08	HMF1-5K-B5-B5 with F721-60-(B5)			1/6	873	I	B5	CUTF
		1255	0.239	0.116	HMF2-5K-B5-B5 with F724-60-(B5)			1/6	873	II	B5	CUTF
		1725	0.31	0.16	HMF2-5K-B5-B5 with F726-60-(B5)			1/4 1/6	1388 925	II II	B5 B5	DUTF
		2868	0.43	0.265	HMF2-5K-B5-B5 with F730-60-(B5)			1/3 1/4	2200 1650	II II	B5 B5	EUTF DUTF
					HMF2-5K-B5-B5 with F730-60-(B5)			1/6	1100	III	B5	CUTF
		3015	0.522	0.278	HMF2-5K-B5-B5 with F732-60-(B5)			1/2 1/3 1/6	2881 1921 1440	I II III	B5 B5 B5	FUTF EUTF CUTF
HMF2-5K-B5-B5 with F738-60-(B5)					3/4 1/2 1/3	4272 2933 1955	I II III	B5 B5 B5	GUTF FUTF EUTF			

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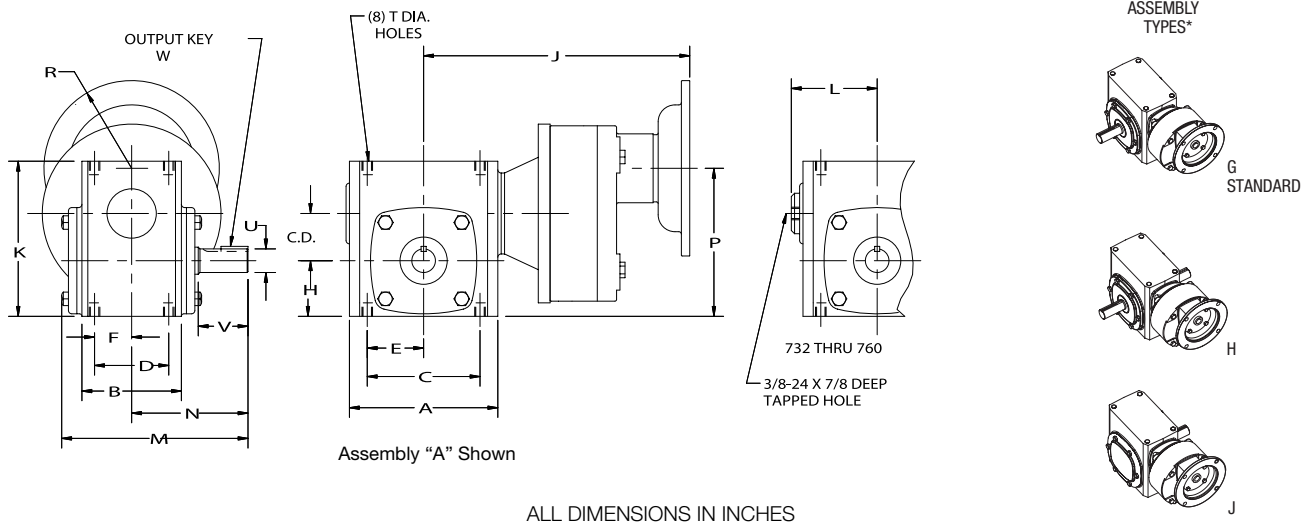
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HMF and 700 Series Double Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

Basic Models (No Base)

FOR ORDERING INFORMATION, see Page 106.
FOR RATING INFORMATION, See Pages 109-118.



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	H	J-NEMA Mounting						K	L	M
									F700			QC700					
									56C	140TC	180TC 210C	56C	140TC	180TC 210TC 250TC			
713	1.33	4.25	2.88	3.25	2.00	1.63	1.00	1.72	9.12	—	—	10.65	—	—	4.64	—	6.03
715	1.54	5.13	3.69	4.19	2.75	2.09	1.38	1.91	9.68	—	—	11.29	—	—	5.38	—	6.84
718	1.75	5.50	3.69	4.19	2.75	2.09	1.38	2.06	9.87	—	—	11.47	—	—	5.75	—	6.81
721	2.06	6.00	3.81	5.00	2.88	2.50	1.44	2.28	10.24	10.69	—	11.94	12.39	—	6.38	—	7.28
724	2.38	6.38	4.06	5.00	2.88	2.50	1.44	2.50	10.88	10.88	11.32	12.58	12.58	13.45	6.94	—	7.81
726	2.62	7.38	4.44	6.38	3.38	3.19	1.69	2.94	11.38	11.38	11.82	13.02	13.02	13.94	8.00	—	8.53
730	3.00	8.12	5.25	7.00	4.00	3.50	2.00	3.25	11.83	11.83	14.07	13.47	13.47	16.17	8.88	—	10.02
732	3.25	9.00	5.88	7.50	4.00	3.75	2.00	3.50	12.19	12.19	14.43	13.83	13.84	16.57	9.38	4.94	10.81
738	3.75	10.00	6.38	8.50	4.75	4.25	2.38	3.88	12.69	12.69	14.93	14.34	14.34	17.71	10.44	5.50	11.88
752	5.16	13.13	7.38	11.00	5.81	5.50	2.91	5.31	—	—	—	—	—	23.43†	13.75	7.19	13.81
760	6.00	14.50	8.13	12.75	6.38	6.38	3.19	6.50	—	—	—	—	—	23.43†	16.50	7.94	15.31

Size	N	P	R-NEMA		T		Low Speed Shaft				Approx. Weight (LBS.)		Fan Kit No.**	
			56C 140TC	180TC 210TC 250TC	Tap Size	Depth	U +.000 - .001	V	W-Key		F700 (1)	QC700 (1)		
									Sq.	Length				
713	4.00	4.74	—	3.31	—	5/16-18	.50	.625	2.00	3/16	1	30	33	—
715	4.31	5.12	—	3.31	—	5/16-18	.50	.750	1.78	3/16	1	36	42	—
718	4.31	5.49	—	3.31	—	5/16-18	.50	.875	1.78	3/16	1	38	45	—
721	4.69	6.02	7.22	3.31	—	3/8-16	.56	1.000	2.09	1/4	1-1/4	47	51	—
724	5.09	7.76	—	3.31	4.63	3/8-16	.56	1.125	2.38	1/4	1-1/4	56	61	—
726	5.63	8.44	—	3.31	4.63	3/8-16	.56	1.125	2.63	1/4	1-15/16	71	72	—
730	6.75	9.11	—	3.31	4.63	7/16-14	.88	1.250	3.25	1/4	2-1/4	91	97	—
732	7.06	9.63	—	3.31	4.63	7/16-14	.66	1.375	3.25	5/16	2-7/16	109	109	51450
738	7.75	10.51	—	3.31	4.63	1/2-13	.81	1.625	3.50	3/8	2-1/4	142	142	51451
752	9.06	13.38	—	—	4.63	5/8-11	1.00	2.000	4.16	1/2	2-15/16	—	271†	51452
760	10.00	15.38	—	—	4.63	5/8-11	1.00	2.250	4.56	1/2	3-3/8	—	320†	51453

* See Assemblies and Mounting Positions, Pages 107 and 108.

** For Fan Kits, see Page 130.

(1) For sizes 724 and larger using HM3 add 25 lbs.

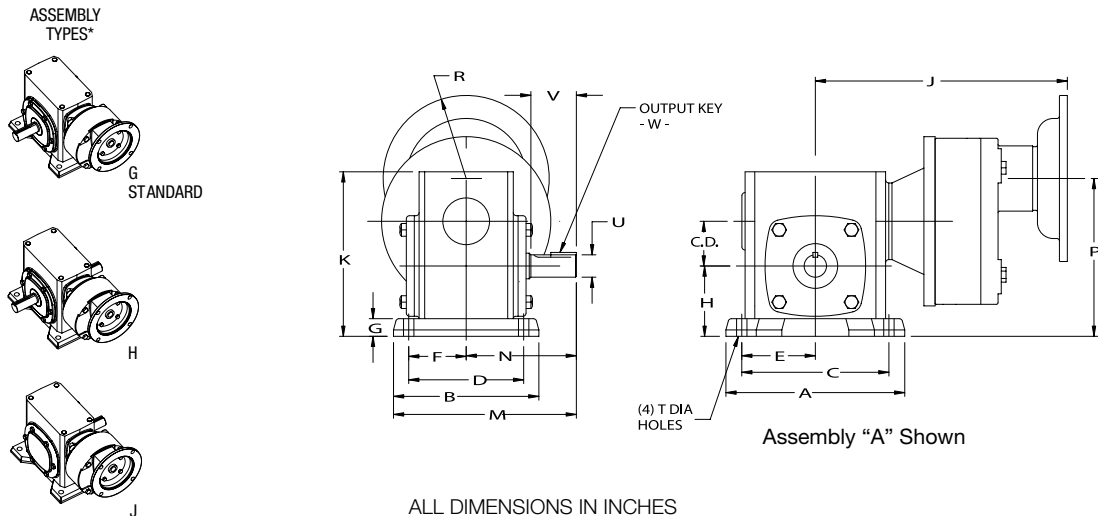
† 752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPE. Reference Page 245 for flange details.

HMF and 700 Series Double Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

B Position Horizontal Base

FOR ORDERING INFORMATION, see Page 106.
FOR RATING INFORMATION, See Pages 109-118.



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting						K	M
										F700			QC700				
										56C	140TC	180TC 210C	56C	140TC	180TC 210TC 250TC		
713	1.33	5.38	4.19	4.38	3.31	2.19	1.66	.53	2.25	9.12	—	—	10.65	—	—	5.19	6.09
715	1.54	6.44	5.44	5.25	4.31	2.63	2.16	.59	2.50	9.68	—	—	11.29	—	—	5.97	7.03
718	1.75	7.00	5.69	5.75	4.50	2.88	2.25	.69	2.75	9.87	—	—	11.47	—	—	6.44	7.16
721	2.06	7.75	5.94	6.38	4.69	3.19	2.34	.72	3.00	10.24	10.69	—	11.94	12.39	—	7.09	7.66
724	2.38	8.50	6.19	7.06	4.88	3.53	2.44	.75	3.25	10.88	10.88	11.32	12.58	12.58	13.45	7.69	8.19
726	2.62	9.63	6.66	8.00	5.25	4.00	2.63	.75	3.69	11.38	11.38	11.82	13.02	13.02	13.94	8.75	8.97
730	3.00	10.00	7.50	8.44	5.88	4.22	2.94	.75	4.00	11.83	11.83	14.07	13.47	13.47	16.17	9.63	10.50
732	3.25	11.19	7.66	9.50	6.13	4.75	3.06	.88	4.38	12.19	12.19	14.43	13.83	13.83	16.57	10.25	10.94
738	3.75	12.13	8.66	10.38	7.00	5.19	3.50	.94	4.81	12.69	12.69	14.93	14.34	14.34	17.71	11.38	12.09
752	5.16	16.38	10.63	14.13	8.38	7.06	4.19	1.13	6.44	—	—	—	—	—	23.43††	14.88	14.38
760	6.00	19.00	12.00	16.50	9.50	8.25	4.75	1.25	7.75	—	—	—	—	—	23.43††	17.75	16.00

Size	N	P	R-NEMA		T	Low Speed Shaft				Approx. Weight (LBS.)		Base Kit No. †	Fan Kit No.**	
			56C 140TC	180TC 210TC 250TC		U +.000 -.001	V	W-Key		F700 (1)	QC700 (1)			
			Sq.	Length										
713	4.00	5.27	—	3.31	—	11/32	.625	2.00	3/16	1	31	35	56577	—
715	4.31	5.71	—	3.31	—	13/32	.750	1.78	3/16	1	37	43	56438	—
718	4.31	6.18	—	3.31	—	13/32	.875	1.78	3/16	1	39	46	56585	—
721	4.69	6.74	7.94	3.31	—	15/32	1.000	2.09	1/4	1-1/4	48	51	56440	—
724	5.09	8.51	—	3.31	4.63	15/32	1.125	2.38	1/4	1-1/4	57	62	56591	—
726	5.63	9.19	—	3.31	4.63	17/32	1.125	2.63	1/4	1-15/16	74	75	56595	—
730	6.75	9.86	—	3.31	4.63	17/32	1.250	3.25	1/4	2-1/4	96	102	65544	—
732	7.06	10.51	—	3.31	4.63	17/32	1.375	3.25	5/16	2-7/16	118	119	56599	51450
738	7.75	11.45	—	3.31	4.63	19/32	1.625	3.50	3/8	2-1/4	156	158	56603	51451
752	9.06	14.51	—	—	4.63	25/32	2.000	4.16	1/2	2-15/16	—	292††	56607	51452
760	10.00	16.63	—	—	4.63	29/32	2.250	4.56	1/2	3-3/8	—	350††	56610	51453

* See Assemblies and Mounting Positions, Pages 107 and 108.

** For Fan Kits, see Page 130.

† For Base Kits, see Page 129.

(1) For sizes 724 and larger using HM3 add 25 lbs.

†† 752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPE.

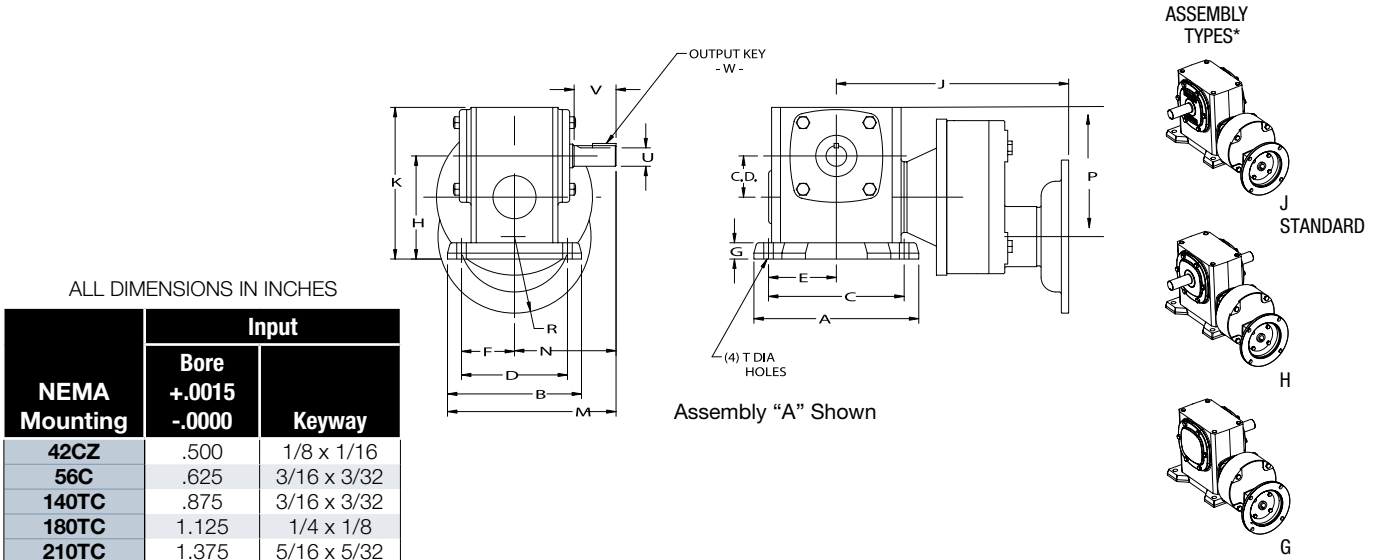
Reference Page 245 for flange details.

HMF and 700 Series Double Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

A Position Horizontal Base

FOR ORDERING INFORMATION, see Page 106.
FOR RATING INFORMATION, See Pages 109-118.



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting						K	M
										F700			QC700				
										56C	140TC	180TC 210C	56C	140TC	180TC 210TC 250TC		
713	1.33	5.38	4.19	4.38	3.31	2.19	1.66	.53	3.47	9.12	—	—	10.65	—	—	5.19	6.09
715	1.54	6.44	5.44	5.25	4.31	2.63	2.16	.59	4.06	9.68	—	—	11.29	—	—	5.97	7.03
718	1.75	7.00	5.69	5.75	4.50	2.88	2.25	.69	4.38	9.87	—	—	11.47	—	—	6.44	7.16
721	2.06	7.75	5.94	6.37	4.69	3.19	2.34	.72	4.81	10.24	10.69	—	11.94	12.39	—	7.09	7.66
724	2.37	8.50	6.19	7.06	4.88	3.53	2.44	.75	5.19	10.88	10.88	11.32	12.58	12.58	13.45	7.69	8.19
726	2.62	9.63	6.66	8.00	5.25	4.00	2.62	.75	5.81	11.38	11.38	11.82	13.02	13.02	13.94	8.75	8.97
730	3.00	10.00	7.50	8.44	5.88	4.22	2.94	.75	6.38	11.83	11.83	14.07	13.47	13.47	16.17	9.63	10.50
732	3.25	11.19	7.66	9.50	6.12	4.75	3.06	.88	6.75	12.19	12.19	14.43	13.83	13.83	16.57	10.25	10.89
738	3.75	12.13	8.66	10.37	7.00	5.19	3.50	.94	7.50	12.69	12.69	14.93	14.34	14.34	17.71	11.38	12.09

Size	N	P	R-NEMA				T Holes	Low Speed Shaft				Approx. Weight (LBS.)		Base Kit No. †	Fan Kit No.**
			56C	140TC	180TC	210TC		U +.000 -.001	V	W-Key		F700 (1)	QC700 (1)		
										Sq.	Length				
713	4.00	4.74	—	3.31	—	—	11/32	.625	2.00	3/16	1	31	35	56577	—
715	4.31	5.12	—	3.31	3.31	—	13/32	.750	1.78	3/16	1	37	43	56438	—
718	4.31	5.49	—	3.31	3.31	—	13/32	.875	1.78	3/16	1	39	46	56585	—
721	4.69	6.02	7.22	3.31	3.31	—	15/32	1.000	2.09	1/4	1-1/4	48	51	56440	—
724	5.09	7.76	—	3.31	3.31	4.63	15/32	1.125	2.37	1/4	1-1/4	57	62	56591	—
726	5.62	8.44	—	3.31	3.31	4.63	17/32	1.125	2.62	1/4	1-15/16	74	75	56595	—
730	6.75	9.11	—	3.31	3.31	4.63	17/32	1.250	3.25	1/4	2-1/4	96	102	65544	—
732	7.06	9.63	—	3.31	3.31	4.63	17/32	1.375	3.25	5/16	2-7/16	118	119	56599	54150
738	7.75	10.51	—	—	3.31	4.63	19/32	1.625	3.50	3/8	2-1/4	156	158	56603	54151

* See Assemblies and Mounting Positions, Pages 107 and 108.

** For Fan Kits, see Page 130.

† For Base Kits, see Page 129.

(1) For sizes 724 and larger using HM3 add 25 lbs.

†† 752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPE.

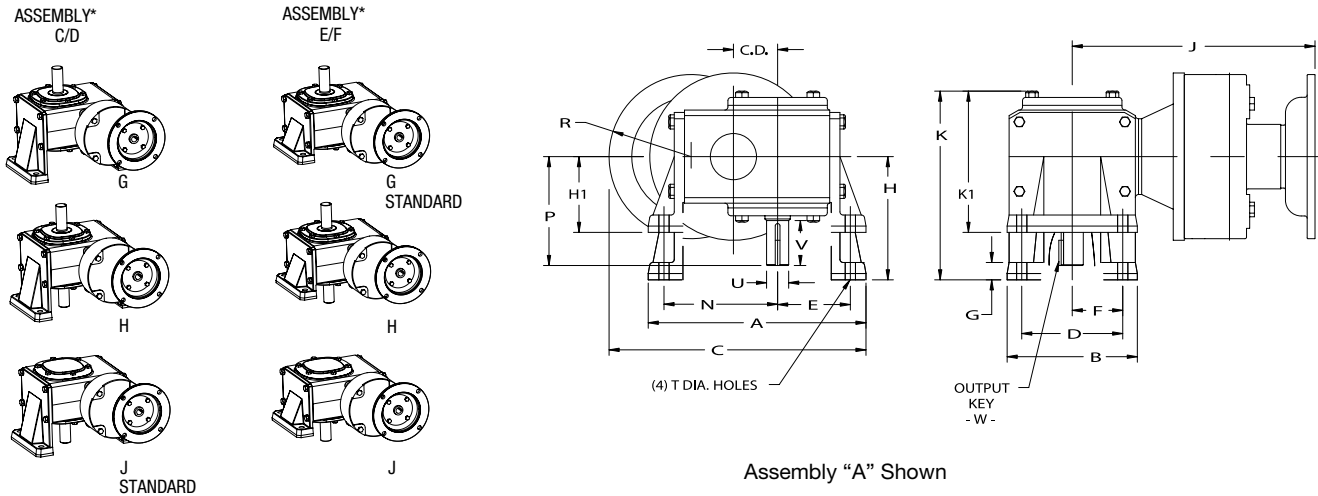
Reference Page 245 for flange details.

HMF and 700 Series Double Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

C/D Position Vertical Base; C/E = High Base; D/F = Low Base

FOR ORDERING INFORMATION, see Page 106.
FOR RATING INFORMATION, See Pages 109-118.



Assembly "A" Shown
ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	H1	J-NEMA Mounting						K	K1
											F700			QC700				
											56C	140TC	180TC 210C	56C	140TC	180TC 210C 250TC		
713	1.33	7.09	4.13	6.16	3.25	1.78	1.63	.53	3.56	2.31	9.12	—	—	10.65	—	—	5.59	4.34
715	1.54	8.03	5.16	6.97	4.00	1.97	2.00	.69	4.38	3.00	9.68	—	—	11.29	—	—	6.91	5.53
718	1.75	8.44	5.16	7.38	4.00	2.13	2.00	.69	4.38	3.00	9.87	—	—	11.47	—	—	6.88	5.50
721	2.06	9.50	6.03	8.38	4.88	2.34	2.44	.72	4.88	3.13	10.24	10.69	—	11.94	12.39	—	7.50	5.75
724	2.38	10.06	6.31	8.94	4.88	2.56	2.44	.75	5.25	3.38	10.88	10.88	11.32	12.58	12.58	13.45	7.97	6.09
726	2.62	11.69	7.38	10.13	5.75	3.00	2.88	.88	5.59	3.63	11.38	11.38	11.82	13.02	13.02	13.94	8.50	6.53
730	3.00	12.50	8.00	11.13	6.00	3.34	3.00	.94	5.88	3.94	11.83	11.83	14.07	13.47	13.47	16.17	9.13	7.20
732	3.25	13.38	9.00	11.88	6.13	3.56	3.06	.88	6.25	4.69	12.19	12.19	14.43	13.83	13.83	16.57	10.00	8.56
738	3.75	15.69	10.00	13.94	8.00	4.00	4.00	.94	7.00	5.25	12.69	12.69	14.93	14.34	14.34	17.71	11.12	9.38
752	5.16	20.50	13.13	18.00	10.00	5.44	5.00	1.13	8.63	6.38	—	—	—	—	—	23.43††	13.38	11.13
760	6.00	23.25	14.75	20.88	11.75	6.63	5.88	1.13	9.63	7.31	—	—	—	—	—	23.43††	14.94	12.63

Size	N	P	R-NEMA Mounting				Low Speed Shaft				High Base		Low Base		Fan Kit No.**		
			42CZ	56C 140TC	180TC 210C 250TC	T Holes	U +.000 -.001	V	W-Key		Approx. Weight (LBS.)		Base Kit No. †	Approx. Weight (LBS.)			
									Sq.	Length	F	QC		F		QC	
713	3.69	4.00	—	3.31	—	11/32	.625	2.00	3/16	1	13	19	56578	30	35	56579	—
715	4.25	4.31	—	3.31	—	13/32	.750	1.78	3/16	1	22	27	56582	39	44	56583	—
718	4.50	4.31	—	3.31	—	13/32	.875	1.78	3/16	1	24	30	56582	41	47	56583	—
721	5.09	4.69	—	3.31	—	15/32	1.000	2.09	1/4	1-1/4	29	35	56588	50	52	56589	—
724	5.44	5.09	—	3.31	4.63	15/32	1.125	2.38	1/4	1-1/4	39	44	56592	63	66	56593	—
726	6.13	5.63	—	3.31	4.63	17/32	1.125	2.63	1/4	1-15/16	59	57	56596	80	81	56597	—
730	6.75	6.75	—	3.31	4.63	17/32	1.250	3.25	1/4	2-1/4	77	79	65545	98	101	65546	—
732	7.13	7.06	—	3.31	4.63	17/32	1.375	3.25	5/16	2-7/16	95	98	56600	115	119	56601	51450
738	8.31	7.75	—	3.31	4.63	19/32	1.625	3.50	3/8	2-1/4	153	147	56604	162	166	56605	51451
752	10.56	9.06	—	—	4.63	29/32	2.000	4.16	1/2	2-15/16	—	267	56608	—	305††	56609	51452
760	12.19	10.00	—	—	4.63	29/32	2.250	4.56	1/2	3-3/8	—	345	56611	—	375††	56612	51453

* See Assemblies and Mounting Positions, Pages 107 and 108.

** For Fan Kits, see Page 130.

† For Base Kits, see Page 129.

(1) For sizes 724 and larger using HM3 add 25 lbs.

†† 752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPE.

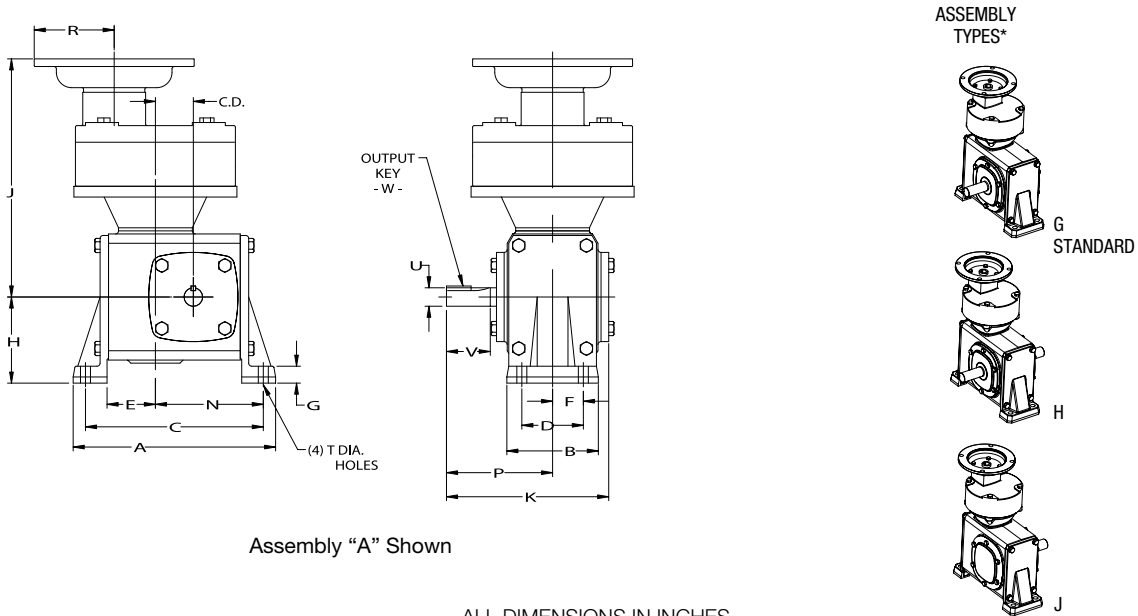
Reference Page 245 for flange details.

HMF and 700 Series Double Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

X Position Vertical Base; X = Input Vertical Up

FOR ORDERING INFORMATION, see Page 106.
FOR RATING INFORMATION, See Pages 109-118.



Assembly "A" Shown

ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA MOUNTING				K	N
										F700		QC700			
										56C 140TC	180TC 210C	56C 140TC	180TC 210C		
713	1.33	7.28	2.91	6.41	2.00	1.70	1.00	0.53	2.94	9.12	—	10.65	—	6.03	3.92
715	1.54	8.25	3.72	7.25	2.50	2.00	1.25	0.69	3.50	9.68	—	11.29	—	6.84	4.37
718	1.75	8.62	3.72	7.63	2.50	2.00	1.25	0.69	3.50	9.87	—	11.47	—	6.81	4.75
721	2.06	9.75	3.84	8.63	2.63	2.09	1.31	0.72	3.94	10.24 10.69	—	11.94 12.39	—	7.28	5.47
724	2.37	10.31	4.13	9.19	2.88	2.13	1.44	0.75	4.06	10.88	11.32	12.58	13.45	7.81	6.00
726	2.62	11.88	4.53	10.38	3.13	2.50	1.56	0.88	4.75	11.38	11.82	13.02	13.94	8.53	6.75

Size	P	R-NEMA Mounting		T Holes	Low Speed Shaft				Approximate Weight (LBS.) (1)		Base Kit No. †
		56C 140TC	180TC 210C		U +.001 -.000	V	W-Key		F	QC	
		Sq.	Length								
713	4.00	3.31	—	11/32	.625	2.00	3/16	1	31	31	55196
715	4.31	3.31	—	13/32	.750	1.78	3/16	1	39	42	55349
718	4.30	3.31	—	13/32	.875	1.78	3/16	1	40	45	55349
721	4.69	3.31	—	15/32	1.000	2.09	1/4	1-1/4	50	52	55644
724	5.09	3.31	4.63	15/32	1.125	2.38	1/4	1-1/4	59	59	55678
726	5.63	3.31	4.63	17/32	1.125	2.63	1/4	1-1/4	76	77	55769

* Assemblies define output (slow speed) shaft projection with respect to input (high speed) shaft and mounted surfaces. Input may be rotated clockwise or counterclockwise. See Assemblies and Mounting Positions, Pages 107 and 108.

† For Base Kits, see Page 129.

(1) For sizes 724 and larger using HM3 add 25 lbs. Reference Page 245 for flange details.

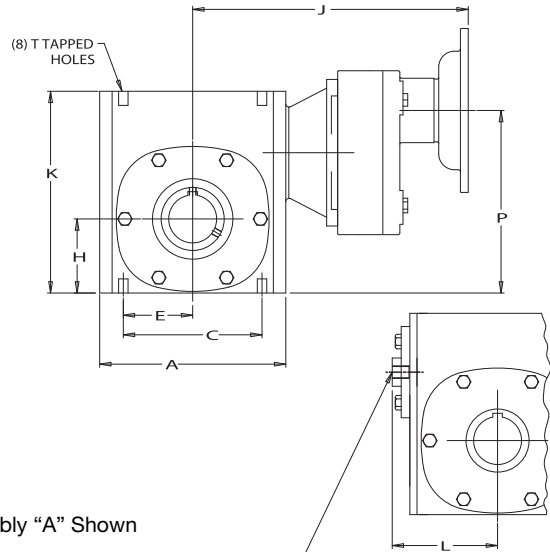
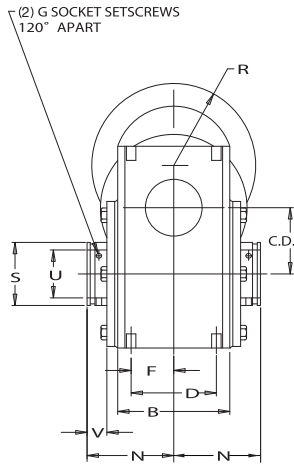
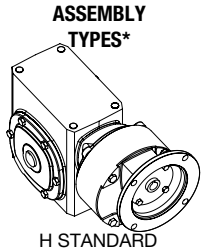


HMF and 700 Series Double Reduction Flanged Reducer Dimensions

HF700/HQC700 Series Flanged Quill/Flanged Coupling Types

Basic Models (No Base); Bored to Size Hollow Output Shaft

FOR ORDERING INFORMATION, see Page 106.
FOR RATING INFORMATION, See Pages 109-118.



Assembly "A" Shown

3/8-24 X 7/8 DEEP
TAPPED HOLE
732 AND 738 SIZES ONLY

ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting						K	L	N
										HF700			HQC700					
										56C 140TC	180TC 210C	250TC	56C 140TC	180TC 210C	250TC			
713	1.33	4.25	2.88	3.25	2.00	1.63	1.00	#10-32	1.72	9.12	—	—	10.65	—	—	4.66	—	2.50
715	1.54	5.13	3.69	4.19	2.75	2.09	1.38	#10-32	1.91	9.68	—	—	11.29	—	—	5.38	—	3.03
718	1.75	5.50	3.69	4.19	2.75	2.09	1.38	#10-32	2.06	9.87	—	—	11.47	—	—	5.75	—	3.03
721	2.06	6.00	3.81	5.00	2.88	2.50	1.44	1/4-28	2.28	10.24 10.69	—	—	11.94 12.39	—	—	6.38	—	3.22
724	2.38	6.38	4.06	5.00	2.88	2.50	1.44	1/4-28	2.50	10.88	11.32	—	12.58	13.45	—	6.94	—	3.22
726	2.62	7.38	4.44	6.38	3.38	3.19	1.69	5/16-24	2.94	11.38	11.82	—	13.02	13.94	—	8.00	—	3.44
730	3.00	8.12	5.25	7.00	4.00	3.50	2.00	5/16-24	3.25	11.83	14.07	—	13.47	16.17	—	8.88	—	4.19
732	3.25	9.00	5.88	7.50	4.00	3.75	2.00	5/16-24	3.50	12.19	14.43	—	13.83	16.57	—	9.38	4.94	4.31
738	3.75	10.00	6.38	8.50	4.75	4.25	2.38	3/8-24	3.88	12.69	14.93	—	14.34	17.71	—	10.44	5.50	4.81
752	5.16	13.13	7.38	11.0	5.81	5.50	2.91	3/8-24	5.31	—	22.44	22.44	—	22.44	22.44	13.75	7.19	6.12

Size	P	R-NEMA Mounting			S	T		Low Speed Shaft				Approx. Weight (LBS.) (1)		Fan Kit No.**
		56C 140TC	180TC 210TC	250TC		Tap Size	Depth	Max U +.0015 -.0000	V	W-Key		HF	HQC	
		Sq.	Length	HF		HQC								
713	4.74	—	3.31	—	.88	5/16-18	.50	.625	.68	3/16 x 1/8	1	25	27	—
715	5.12	—	3.31	—	1.38	5/16-18	.50	1.000	.84	1/4 x 7/32	1-3/8	39	41	—
718	5.49	—	3.31	—	1.38	5/16-18	.50	1.000	.74	1/4 x 7/32	1-3/8	41	42	—
721	6.02	7.22	3.31	—	2.00	3/8-16	.56	1.4375	.87	3/8 x 5/16	1-3/4	46	47	—
724	7.76	—	3.31	4.63	2.00	3/8-16	.56	1.4375	.75	3/8 x 5/16	1-3/4	61	65	—
726	8.44	—	3.31	4.63	2.50	3/8-16	.56	1.9375	.78	1/2 x 3/8	2	74	75	—
730	9.11	—	3.31	4.63	2.88	7/16-14	.88	2.1875	1.10	1/2 x 3/8	2	95	99	—
732	9.63	—	3.31	4.63	2.88	7/16-14	.66	2.1875	.93	1/2 x 3/8	2	115	127	51450
738	10.51	—	3.31	4.63	3.25	1/2-13	.75	2.4375	1.11	5/8 x 3/8	2-1/2	155	166	51451
752	13.38	—	—	4.63	4.25	5/8-11	1.00	3.4375	1.37	See Chart on page 128	221	—	—	51457

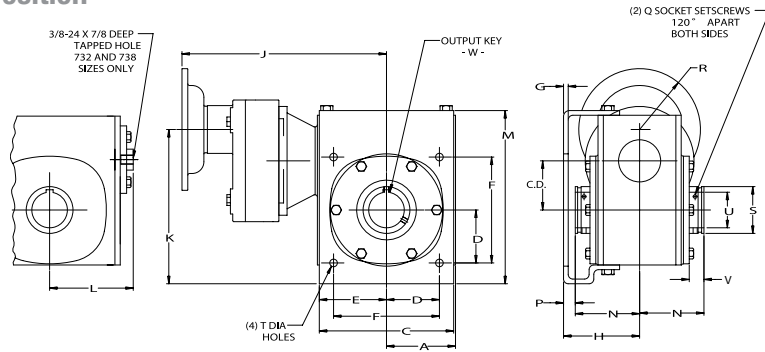
* See Assemblies and Mounting Positions, Pages 107 and 108.
** For Fan Kits, see Page 130.

(1) For sizes 724 and larger using HM3 add 25 lbs.
Input may be rotated clockwise or counterclockwise.
See Page 128 for available bore sizes.
Reference Page 245 for flange details.

HMF and 700 Series Double Reduction Flanged Reducer Dimensions

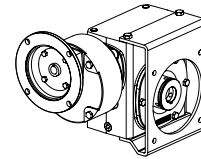
HF700/HQC700 Series Flanged Quill/Flanged Coupling Types R/L Position Mounting Bracket; Bored to Size Hollow Output Shaft

R Position

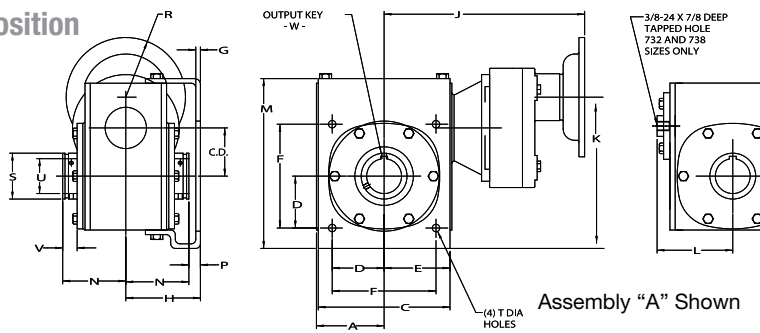


FOR ORDERING INFORMATION, see Page 106.
FOR RATING INFORMATION, See Pages 109-118.

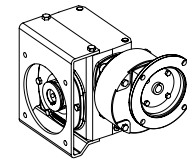
ASSEMBLY TYPES*



L Position



ALL DIMENSIONS IN INCHES



Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting				K	L
										HF700		HQC700			
										56C 140TC	180TC 210C	56C 140TC	180TC 210C		
713	1.33	2.12	3.62	4.25	1.77	2.12	3.54	.19	3.00	9.12	—	10.65	—	5.34	—
715	1.54	2.56	3.62	4.75	1.77	2.38	3.54	.19	3.56	9.68	—	11.29	—	5.75	—
718	1.75	2.75	4.06	4.81	2.08	2.41	4.16	.19	3.50	9.87	—	11.47	—	6.25	—
721	2.06	3.00	4.50	5.75	2.30	2.88	4.60	.19	3.75	10.24 10.69	—	11.94 12.39	—	6.86 8.06	—
724	2.38	3.19	5.00	5.75	2.65	2.88	5.30	.25	3.72	10.88	11.32	12.58	13.45	8.86	—
726	2.62	3.69	6.00	7.18	2.83	3.59	5.66	.25	4.06	11.38	11.82	13.02	13.94	9.44	—
730	3.00	4.06	7.00	8.00	3.18	4.00	6.36	.25	4.50	11.83	14.07	13.47	16.17	10.39	—
732	3.25	4.50	7.00	8.50	3.54	4.25	7.08	.25	5.25	12.19	14.43	13.83	16.57	10.88	4.94
738	3.75	5.00	8.00	9.50	4.06	4.75	8.12	.25	5.47	12.69	14.93	14.34	17.71	33.78	5.50

Size	M	N	P	Q	R-NEMA Mounting		S	T Holes	Low Speed Shaft			Approx. Weight (LBS.) (1)		Fan Kit No.**	
					56C 140TC	180TC 210TC			Max U + .0015 - .0000	V	W-Key		HF		HQC
					Size.	Length									
713	5.55	2.50	.50	#10-32	3.31	—	.88	11/32	.625	.68	3/16x1/8	1	34	39	—
715	6.16	3.03	.44	#10-32	3.31	—	1.38	11/32	1.000	.84	1/4x7/32	1-3/8	40	46	—
718	6.66	3.03	.47	#10-32	3.31	—	1.38	11/32	1.000	.74	1/4x7/32	1-3/8	47	49	—
721	7.47	3.22	.53	1/4-28	3.31	—	1.94	13/32	1.4375	.87	3/8x5/16	1-3/4	58	59	—
724	8.30	3.22	.50	1/4-28	3.31	4.63	1.94	13/32	1.4375	.75	3/8x5/16	1-3/4	66	72	—
726	9.25	3.44	.62	5/16-24	3.31	4.63	2.50	13/32	1.9375	.78	1/2x3/8	2	77	78	—
730	10.38	4.19	.31	5/16-24	3.31	4.63	2.88	13/32	2.1875	1.12	1/2x3/8	2	101	105	—
732	10.91	4.31	.94	5/16-24	3.31	4.63	2.88	9/16	2.1875	.93	1/2x3/8	2	120	132	51450
738	11.84	4.81	.66	3/8-24	3.31	4.63	3.25	9/16	2.4375	1.11	5/8x3/8	2-1/2	172	175	51451

* See Assemblies and Mounting Positions, Pages 107 and 108.

** For Fan Kits, see Page 130.

(1) For sizes 724 and larger using HM3 add 25 lbs.

Input may be rotated clockwise or counterclockwise.

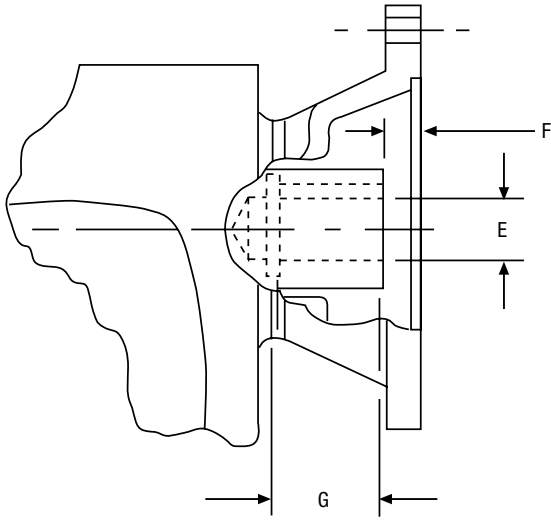
See Page 128 for available bore sizes.

Reference Page 245 for flange details.

700 Series Miscellaneous Component Data

F700 NEMA C Quill Type Motor Flange Data

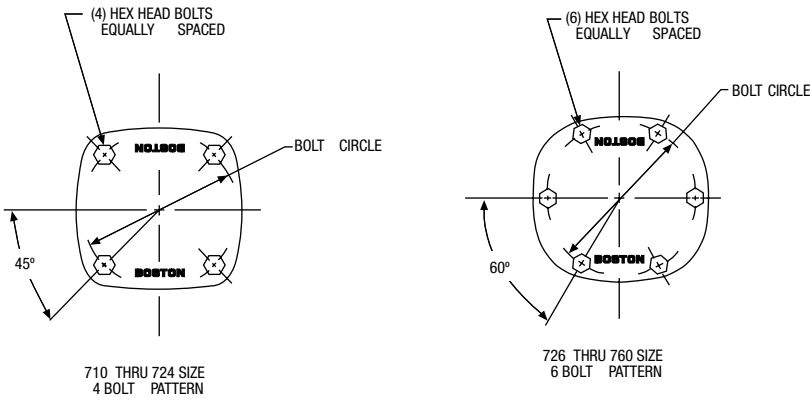
ALL DIMENSIONS IN INCHES



SIZE	BORE CODE	E	F	G
710	B4	1/2	3/8	1-3/32
	B5	5/8	9/32	1-5/16
713	B5	5/8	23/32	1-5/16
715	B5	5/8	21/32	1-5/8
	B7	7/8	7/16	1-3/4
718	B5	5/8	21/32	1-5/8
	B7	7/8	17/32	1-3/4
721	B5	5/8	5/8	1-5/8
	B7	7/8	13/16	1-3/4
724	B5	5/8	11/16	1-5/8
	B7	7/8	11/16	1-3/4
	B9	1-1/8	7/16	2-7/16
726	B5	5/8	5/8	1-5/8
	B7	7/8	21/32	1-3/4
	B9	1-1/8	5/8	2-3/8
730	B5	5/8	5/8	1-11/32
	B7	7/8	5/8	1-11/32
	B9	1-1/8	11/16	2-11/16
732	B5	5/8	23/32	1-5/8
	B7	7/8	23/32	1-3/4
	B9	1-1/8	29/32	2-3/8
738	B7	7/8	19/32	1-3/4
	B9	1-1/8	5/16	2-1/8
	B11	1-3/8	3/4	2-7/8

Cast Iron Output Bearing Carrier Data

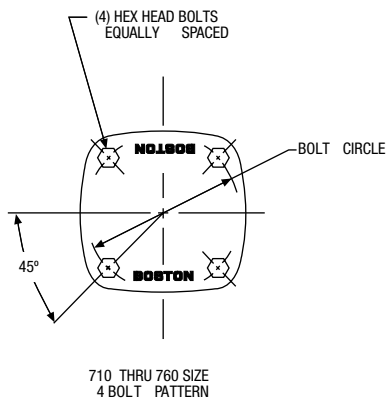
ALL DIMENSIONS IN INCHES



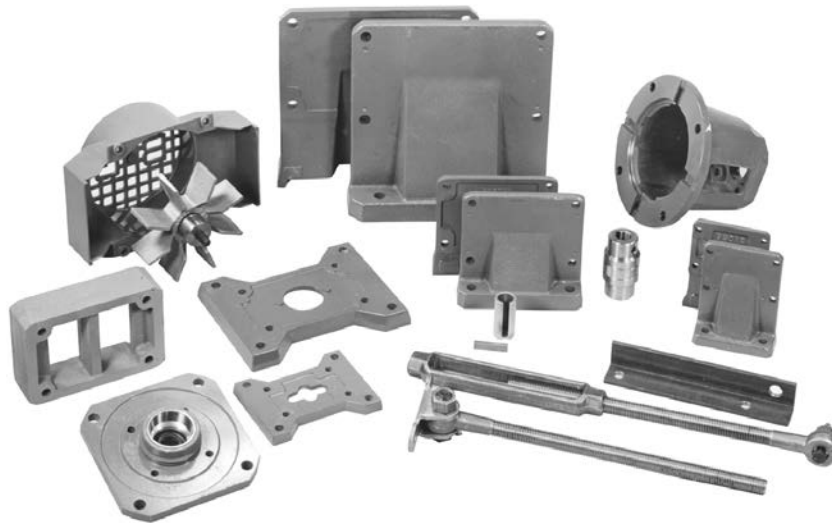
SIZE	BOLT		
	CIRCLE DIA.	SIZE	LENGTH
710	2-3/8	10-32	1/2
713	3	1/4-20	5/8
715	3-5/8	5/16-18	3/4
718	4	5/16-18	3/4
721	4-3/8	5/16-18	3/4
724	4-15/16	5/16-18	3/4
726	5-3/8	5/16-18	3/4
730	6	5/16-18	3/4
732	6-9/16	5/16-18	3/4
738	7-5/8	3/8-16	7/8
752	10-3/8	7/16-14	1-1/4
760	12-1/16	1/2-13	1-1/4

Input Bearing Retainer Data

ALL DIMENSIONS IN INCHES



SIZE	BOLT		
	CIRCLE DIA.	SIZE	LENGTH
710	1-5/8	10-32	1/2
713	2	1/4-20	5/8
715	2-5/8	5/16-18	3/4
718	2-5/8	5/16-18	3/4
721	3	5/16-18	3/4
724	3	5/16-18	3/4
726	3-7/16	5/16-18	3/4
730	3-7/16	5/16-18	3/4
732	3-7/16	5/16-18	3/4
738	3-7/16	5/16-18	3/4
752	4-3/8	7/16-14	1-1/4
760	4-3/8	7/16-14	1-1/4



Section Contents

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700 Series Accessories

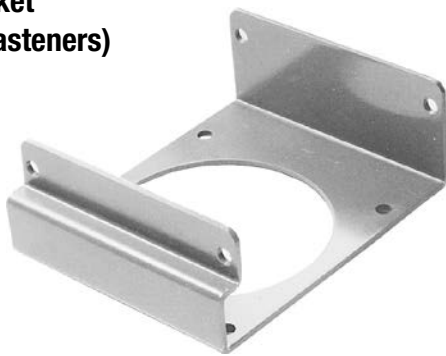
H Series Hollow Output Bore Sizes														
Unit Size														
Fraction Size	Output Bore Code	713	SS713	715	718	721	724	726	730	732	738	752	Decimal Size*	Key Size†
5/8	P10	•	•										.6250	3/16 x 1/8 x 1"
3/4	P12		•	•	•	•	•						.7500	3/16 x 5/32 x 1"
7/8	P14		•	•	•	•	•						.8750	3/16 x 5/32 x 1"
15/16	P15		•	•	•	•	•	•					.9375	1/4 x 7/32 x 1-3/8"
1	P16		•	•	•	•	•	•					1.0000	1/4 x 7/32 x 1-3/8"
1 1/16	P17					•	•	•					1.0625	1/4 x 7/32 x 1-3/8"
1 1/8	P18					•	•	•					1.1250	1/4 x 7/32 x 1-3/8"
1 3/16	P19					•	•	•	•	•			1.1875	1/4 x 7/32 x 1-3/8"
1 1/4	P20					•	•	•	•	•			1.2500	1/4 x 7/32 x 1-3/8"
1 5/16	P21					•	•	•	•	•			1.3125	5/16 x 1/4 x 1-5/8"
1 3/8	P22							•	•	•	•		1.3750	5/16 x 1/4 x 1-5/8"
1 7/16	P23					•	•	•	•	•	•		1.4375	3/8 x 5/16 x 1-3/4"
1 1/2	P24							•	•	•	•		1.5000	3/8 x 5/16 x 1-3/4"
1 5/8	P26							•	•	•	•		1.6250	3/8 x 5/16 x 1-3/4"
1 11/16	P27							•	•	•	•		1.6875	3/8 x 5/16 x 1-3/4"
1 3/4	P28							•	•	•	•		1.7500	3/8 x 5/16 x 1-3/4"
1 7/8	P30							•	•	•	•		1.8750	1/2 x 3/8 x 2"
1 15/16	P31							•	•	•	•		1.9375	1/2 x 3/8 x 2"
2	P32								•	•	•		2.0000	1/2 x 3/8 x 2"
2 1/8	P34									•	•		2.1250	1/2 x 3/8 x 2"
2 3/16	P35								•	•	•		2.1875	1/2 x 3/8 x 2"
2 1/4	P36										•		2.2500	1/2 x 3/8 x 2"
2 7/16	P39										•		2.4375	5/8 x 1/2 x 2-1/2"
3 7/16	P55											•	3.4375	7/8 x 5/8 x 3"

* Bore Tolerance +.0015 - .0000

• Available bore sizes

† Key is provided with reducer to fit hollow shaft. Driven shaft requires standard width and depth keyway.
Also available in stainless steel.

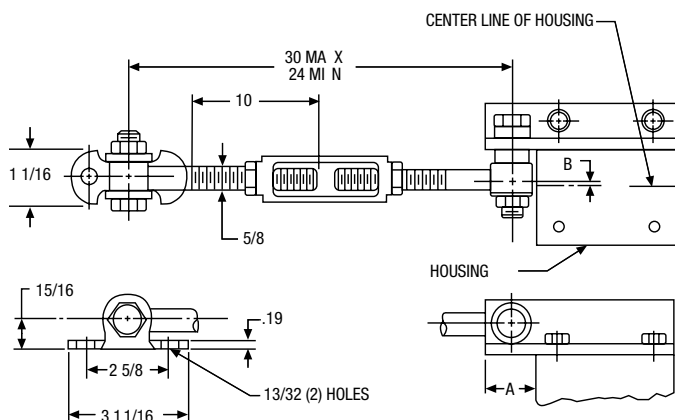
Output Bracket (Including Fasteners)



ORDER BY CATALOG OR KIT NUMBER

Size	Catalog Number	Kit Number
713	XH713-11RLK	13977
715	XH715-11RLK	13978
718	XH718-11RLK	13979
721	XH721-11RLK	13980
724	XH724-11RLK	13981
726	XH726-11RLK	13982
730	XH730-11RLK	65547
732	XH732-11RLK	13983
738	XH738-11RLK	13984

Reaction Rod Kits



Accessory kits are shipped separately, unless otherwise specified.
ORDER BY CATALOG OR KIT NUMBER

Size	Dimensions		Catalog Number	Kit Number
	A	B		
713	1.31	.26	XH713-76K	13973
715	1.18	.12	XH715-76K	13974
718	1.09	.09	X718-76K	69692
721	1.25	.03	X721-76K	69693
724	1.00	.03	X721-76K	69693
726	1.25	.22	X726-76K	69694
730	2.10	.52	X732-76K	69695
732	1.50	.53	X732-76K	69695
738	1.41	.91	XH738-76K	13976

Complete kit includes all hardware shown, angle bracket and cap screws.

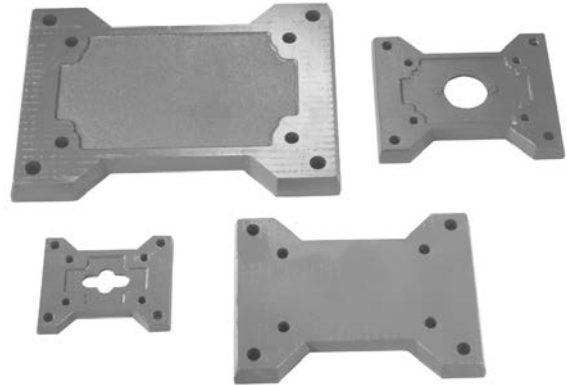
700 Series Accessories

Dimensions of bases assembled on units are shown on applicable reducer dimension pages.
Accessory kits are shipped separately, unless otherwise specified.

ORDER BY KIT NUMBER

Size	Cast Iron Kit Number
710A,B	87874
713A,B	56437
715A,B	56438
718A,B	56439
721A,B	56440
724A,B	56441
726A,B	56442
730A,B	65544
732A,B	56599
738A,B	56603
752A,B	56607
760A,B	56610

Cast Iron Base Kits (Including Fasteners) For Horizontal Positions A & B



ORDER BY KIT NUMBER

SIZE	KIT NUMBER	SIZE	KIT NUMBER
710C	56576	724X/Y	55678
713D	56579	726D	56597
713C	56578	726C	56596
713X/Y	55196	726X/Y	55769
715D	56583	730D	65546
715C	56582	730C	65545
715X/Y	55349	732D	56601
718D	56583	732C	56600
718C	56582	738D	56605
718X/Y	55349	738C	56604
721D	56589	752D	56609
721C	56588	752C	56608
721X/Y	55644	760D	56612
724D	56593	760C	56611
724C	56592		

Cast Iron Base Kits (Including Fasteners) For Vertical Positions C, D, E & F



Type "C" and "E" are High Base.
Type "D" and "F" are Low Base.
Type "X" and "Y" are Input Vertical.

For E Base order C Base.
For F Base order D Base.

710 available High Base only.

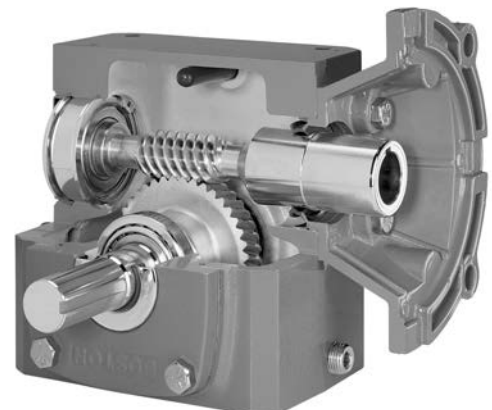
The Boston Gear PosiVent option is available in all current 700 series styles and configurations. This specially-designed internal pressure equalization system allows the gearbox to operate in all environments without the use of conventional pressure vents. Unlike competitive versions, our unique single seam design allows for easy installation and extended life. This means longer trouble-free operation with virtually no maintenance.

USDA approved washdown finishes available in Bost-Kleen™ and Stainless Bost-Kleen™

The PosiVent option is ideal for material handling, food processing, medical and pharmaceutical applications.

To order specify the letter "Z" for the vent option, in the 700 series catalog number.

Speed Reducers With PosiVent® Option



D