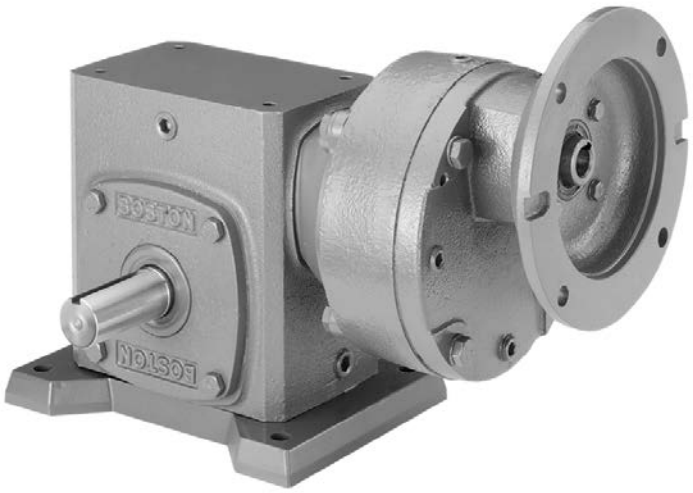


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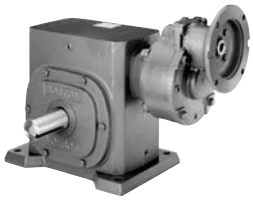
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700 Series Single Reduction
Flanged Reducers with HMF Series

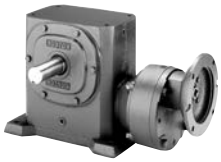
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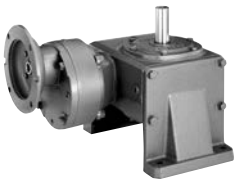
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F700/QC700 C/D W/HMF
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F700 /QC700 E/F W/HMF
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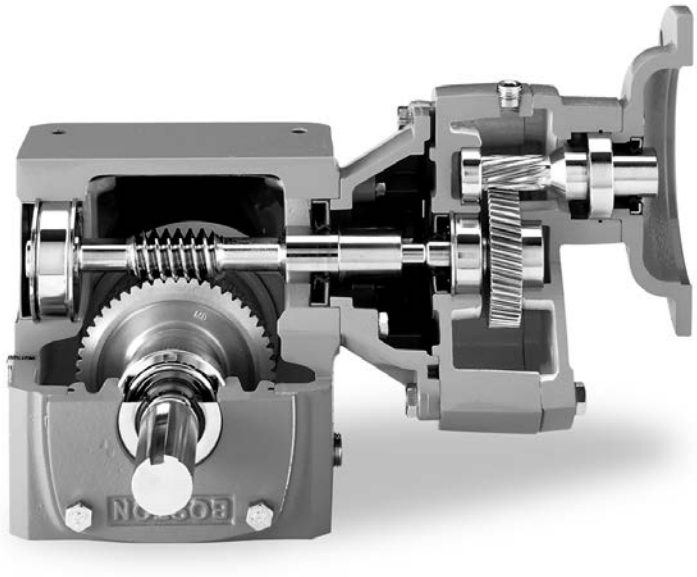
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HF700/HQC700 W/HMF
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HF700/HQC700 R/L W/HMF
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Combination 700 and HM Series Features

- 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-finshed 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.

HMF	2	5	K	B7	B7	A

Assembled to an:

F	732	B	25	K	B7	G

Each gearbox can be shipped separately or assembled.

HMF - 2 - 1.5 - K - B5 - B7 – B

Type
HMF-Quill Flange Input

Size
1
2
3

Ratio
1.5:1
2:1
3:1
4:1
5:1

Lubrication
K – Klubersynth UH1 6-460

Input Flange Size
B5 – 56C
B7 – 140TC
B9 – 180TC
B11 – 210TC

Output Flange Size
B5 – 56C
B7 – 140TC
B9 – 180TC
B11 – 210TC

Mounting Position
A
B
C
D

C

700 Series Right Angle Helical-Worm Gearbox - Double Reduction

SBKC H QC HMA 7 38 B – 300 K E Z T – B5 – HS 1 – P24

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)

7 – 700 Series

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

10	60
15	75
20	80
22.5	100
25	125
30	150
37.5	200
40	250
45	300
50	

Check Catalog – Or consult factory for availability

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

Endcap
(732-760 only)
E – Endcap (standard)

***BostMount* Output Bore Code**
Refer to page 128 for complete offering
See catalog for availability by center distance.

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)

Reduction Type
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 Mulitplier

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

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

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

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

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)

Output Shaft Assembly
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

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.

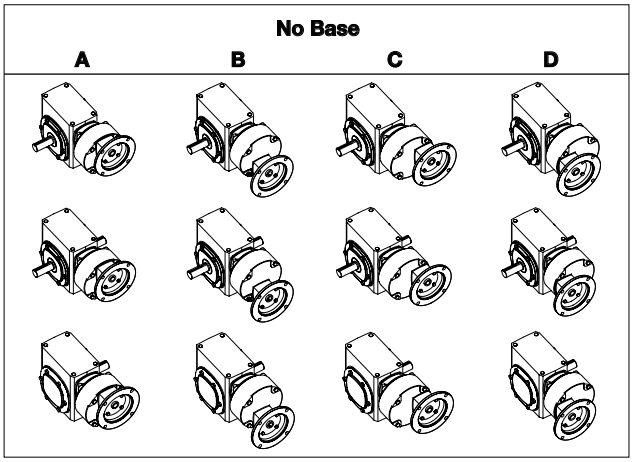
Type “X” is input vertical up.

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

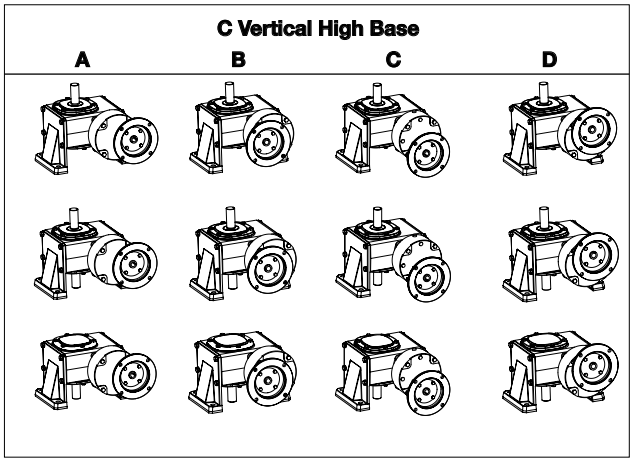
Input may rotate clockwise or counter clockwise.

FOR OTHER CONFIGURATIONS NOT SHOWN, CONTACT FACTORY.

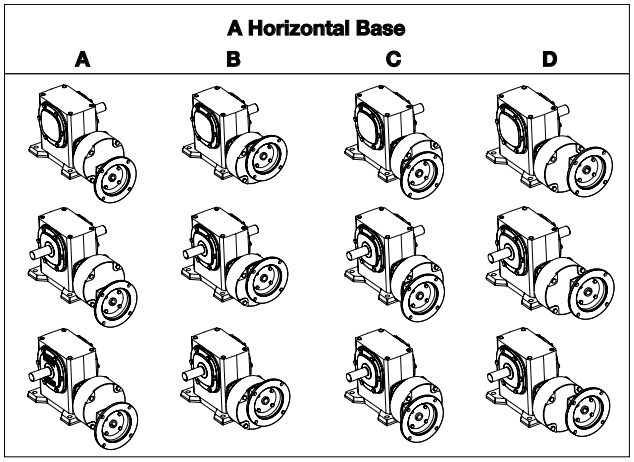
No Base



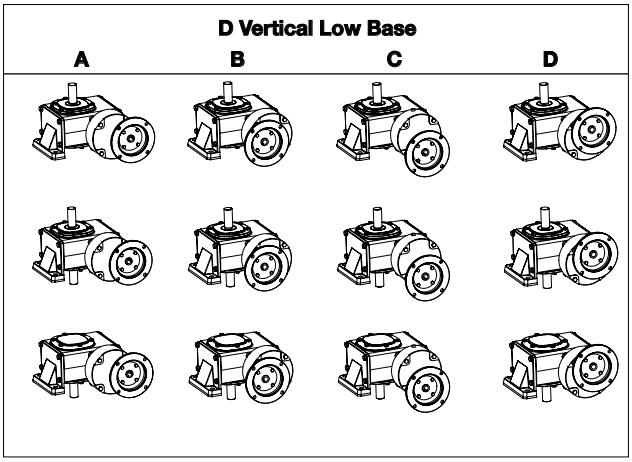
C Vertical High Base



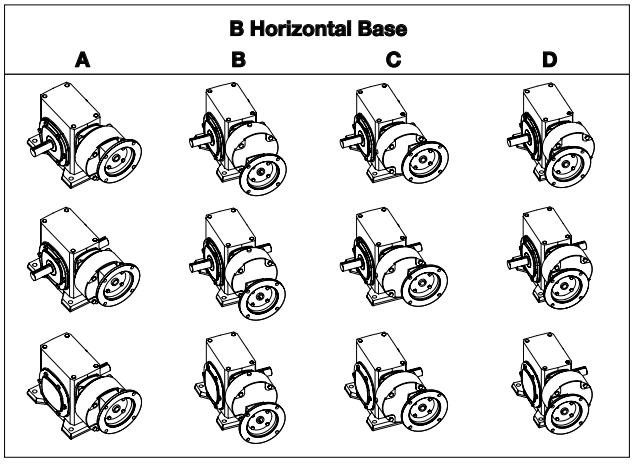
A Horizontal Base



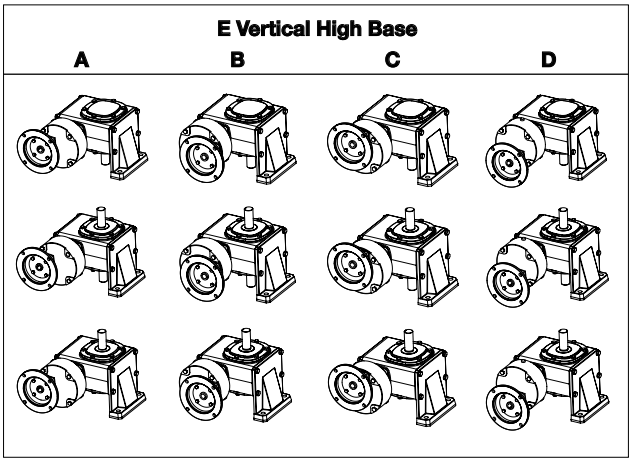
D Vertical Low Base



B Horizontal Base



E Vertical High Base



C

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.

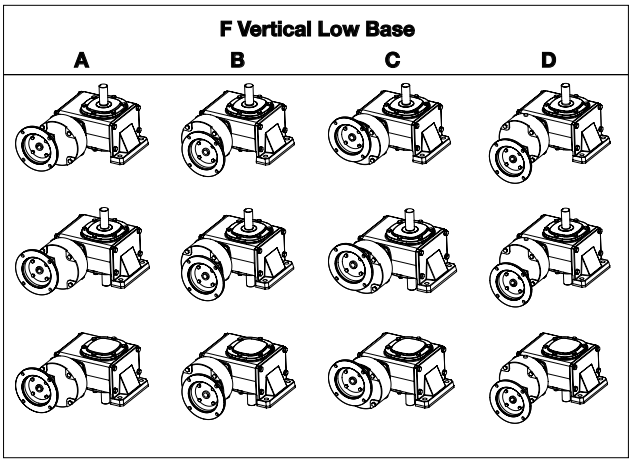
Types “C” and “E” are vertical high bases and types “D” and “F” are vertical low bases.

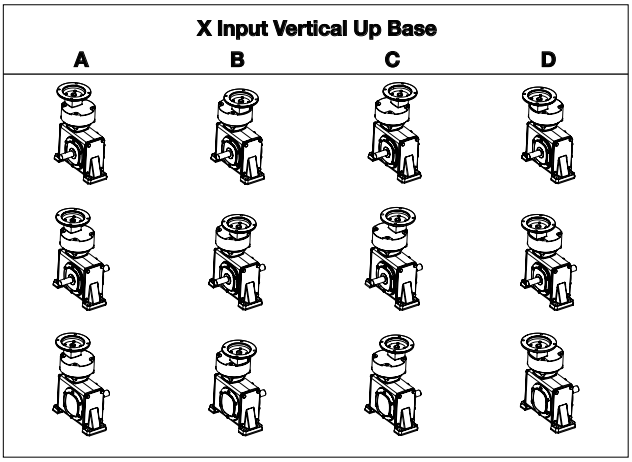
Type “X” is input vertical up.

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.

C

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.

C

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					
			Input	Output	Gearbox Size K	MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
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 withF724-10-(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
		8037	12.78	11.16	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	II III	B5 B5	FUTF EUTF
		752	1.09	0.91	HMF1-1.5K-B5-B5 with F721-15-(B5)	1 3/4 1/2	674 506 337	I II III	B5 B5 B5	HUTF-5/8 GUTF FUTF
		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.

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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					
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
					HMF2-5K-B5-B5 with F726-5-(B5)	1 3/4	775 581	II III	B5 B5	HUTF-5/8 GUTF
		2590	3.41	2.877	HMF2-5K-B7-B7 with F730-5-(B7)	1-1/2 2	1519 1139	II III	B7 B7	JUTF KUTF
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
					HMF2-3K-B5-B5 with F726-10-(B5)	1 3/4	911 684	II III	B5 B5	HUTF GUTF
		2672	2.93	2.472	HMF2-3K-B7-B7 with F730-10-(B7)	2 1-1/2	1823 1367	II III	B7 B7	KUTF JUTF
					HMF2-3K-B5-B5 with F730-10-(B5)	1	911	III	B5	HUTF-5/8
		2890	3.132	2.673	HMF3-3K-B9-B9 with F732-10-(B9)	3	2766	I	B9	LUTF
					HMF2-3K-B7-B7 with F732-10-(B7)	2 1-1/2	1844 1382	II III	B7 B7	KUTF JUTF
		4044	4.432	3.741	HMF3-3K-B9-B9 with F738-10-(B9)	3 2	2734 1823	II III	B9 B9	LUTF KUTF
	30 2x15	8760	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
		12220	13.06	11.304	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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@ 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					
			Input	Output	Gearbox Size K	MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
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

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C

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					
			Input	Output	Gearbox Size K	MTR HP	Output Torque (lb.in.)	Service Class	MTR Bore Code	230/460 VAC 3 Phase 60 Hz
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 wth 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
		577	0.403	0.32	HMF1-5K-B5-B5 with F718-10-(B5)	1/4 1/6	356 239	II III	B5 B5	DUTF CUTF
		903	0.655	0.501	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	I II	B7 B7	KUTF JUTF
					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
		560	0.343	0.259	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.

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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					
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

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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					
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 withF732-20-(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.

@ 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

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

C

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
		4272	0.73	0.395	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

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

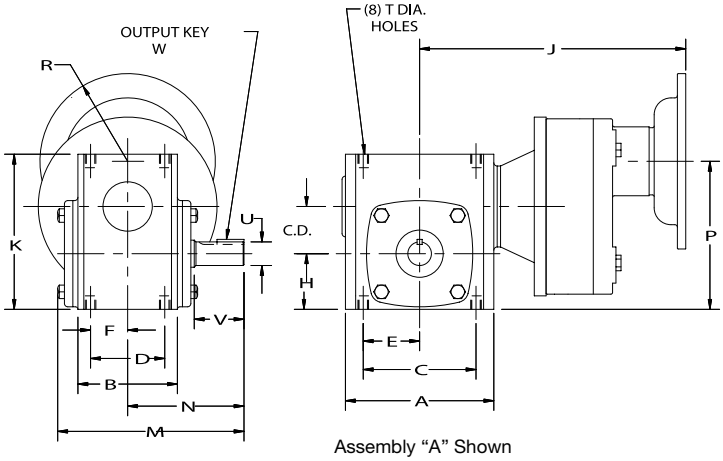
C

HMF and 700 Series Double Reduction Flanged Reducer Dimensions

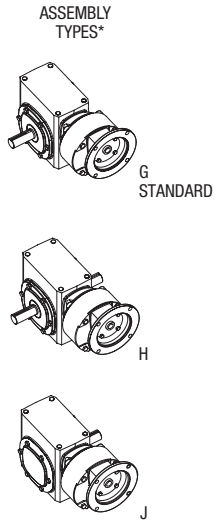
F700/QC700 Series Flanged Quill/Flanged Coupling Types

Basic Models (No Base)

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



Assembly "A" Shown



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	H	J-NEMA Mounting F700 56C	J-NEMA Mounting F700 140TC	J-NEMA Mounting F700 180TC 210C	J-NEMA Mounting QC700 56C	J-NEMA Mounting QC700 140TC	J-NEMA Mounting QC700 180TC 210TC 250TC	K	L	M
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 56C 140TC	R-NEMA 180TC 210TC 250TC	T Tap Size	T Depth	Low Speed Shaft U +.000 -.001	Low Speed Shaft V	Low Speed Shaft W-Key Sq.	Low Speed Shaft W-Key Length	Approx. Weight (LBS.) F700 (1)	Approx. Weight (LBS.) QC700 (1)	Fan Kit No.**
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.

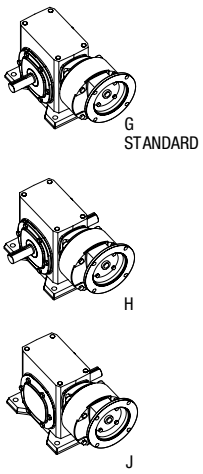
HMF and 700 Series Double Reduction Flanged Reducer Dimensions

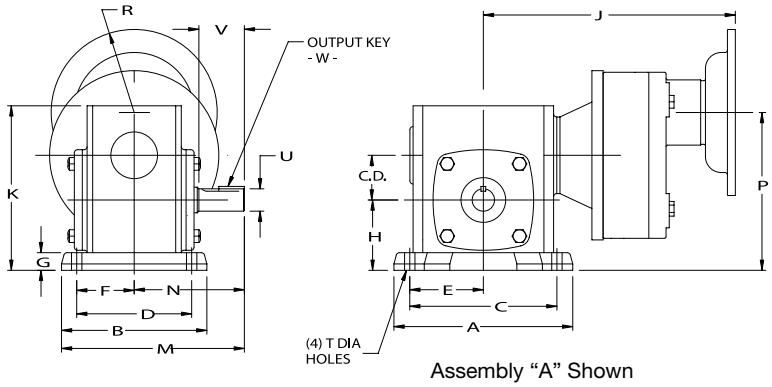
F700/QC700 Series Flanged Quill/Flanged Coupling Types

B Position Horizontal Base

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

ASSEMBLY TYPES*





Assembly "A" Shown

ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting F700 56C	J-NEMA Mounting F700 140TC	J-NEMA Mounting F700 180TC 210TC	J-NEMA Mounting QC700 56C	J-NEMA Mounting QC700 140TC	J-NEMA Mounting QC700 180TC 210TC 250TC	K	M
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 56C 140TC	R-NEMA 180TC 210TC 250TC	T	Low Speed Shaft U +.000 -.001	V	W-Key Sq.	W-Key Length	Approx. Weight (LBS.) F700 (1)	Approx. Weight (LBS.) QC700 (1)	Base Kit No. †	Fan Kit No.**
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

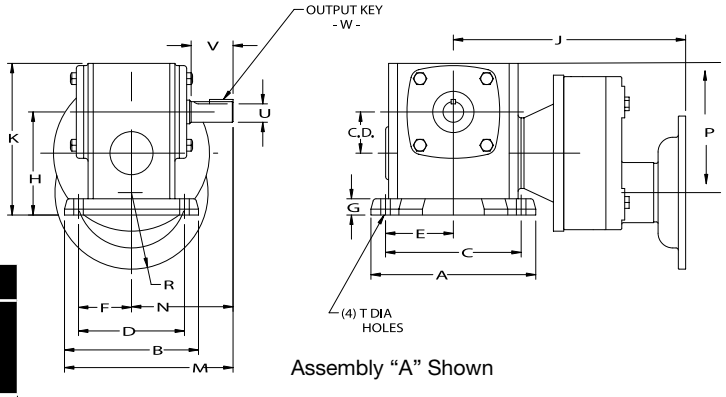
* See Assemblies and Mounting Positions, Pages 107 and 108.
** For Fan Kits, see Page 130.
† For Base Kits, see Page 129.
(1) For sizes 724 and larger using HM3 add 25 lbs.
††752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPE.
Reference Page 245 for flange details.

HMF and 700 Series Double Reduction Flanged Reducer Dimensions

F700/QC700 Series Flanged Quill/Flanged Coupling Types

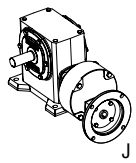
A Position Horizontal Base

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

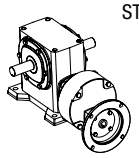


Assembly "A" Shown

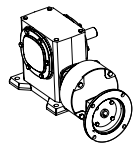
ASSEMBLY TYPES*



J STANDARD



H



G

ALL DIMENSIONS IN INCHES

NEMA Mounting	Input	
	Bore +.0015 -.0000	Keyway
42CZ	.500	1/8 x 1/16
56C	.625	3/16 x 3/32
140TC	.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				
										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 Sq.	W-Key Length	F700 (1)	QC700 (1)		
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	4.63	19/32	1.625	3.50	3/8	2-1/4	156	158	56603	54151

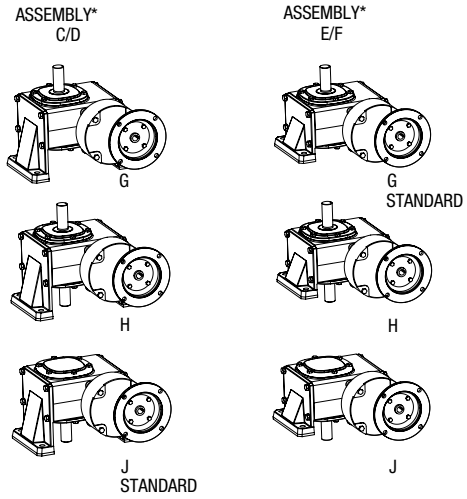
* See Assemblies and Mounting Positions, Pages 107 and 108.
** For Fan Kits, see Page 130.
† For Base Kits, see Page 129.
(1) For sizes 724 and larger using HM3 add 25 lbs.
††752 & 760 SIZES AVAILABLE ONLY IN RF-FLANGED COUPLING TYPE.
Reference Page 245 for flange details.

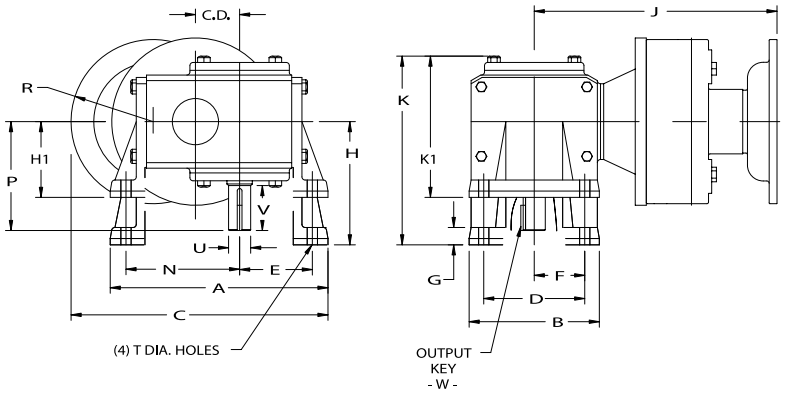
HMF and 700 Series Double Reduction Flanged Reducer Dimensions

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 F700 56C	J-NEMA Mounting F700 140TC	J-NEMA Mounting F700 180TC 210C	J-NEMA Mounting QC700 56C	J-NEMA Mounting QC700 140TC	J-NEMA Mounting QC700 180TC 210TC 250TC	K	K1
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 42CZ	R-NEMA Mounting 56C 140TC	R-NEMA Mounting 180TC 210TC 250TC	T Holes	Low Speed Shaft U +.000 -.001	Low Speed Shaft V	Low Speed Shaft W-Key Sq.	Low Speed Shaft W-Key Length	High Base Approx. Weight (LBS.) F	High Base Approx. Weight (LBS.) QC	High Base Base Kit No. †	Low Base Approx. Weight (LBS.) F	Low Base Approx. Weight (LBS.) QC	Low Base Base Kit No. †	Fan Kit No.**
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

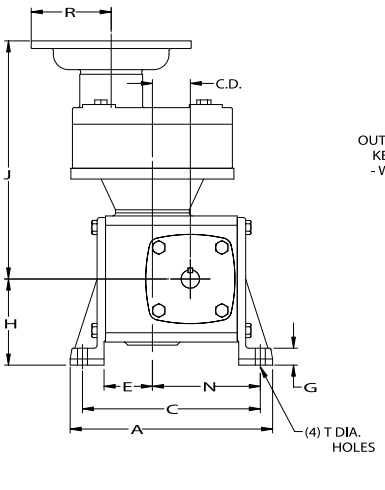
* See Assemblies and Mounting Positions, Pages 107 and 108.
** For Fan Kits, see Page 130.
† For Base Kits, see Page 129.
(1) For sizes 724 and larger using HM3 add 25 lbs.

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

F700/QC700 Series Flanged Quill/Flanged Coupling Types

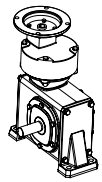
X Position Vertical Base; X = Input Vertical Up

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

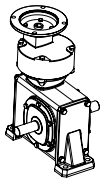


Assembly "A" Shown

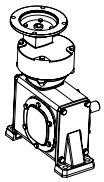
ASSEMBLY TYPES*



G STANDARD



H



J

ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA MOUNTING F700 56C 140TC	J-NEMA MOUNTING F700 180TC 210C	J-NEMA MOUNTING QC700 56C 140TC	J-NEMA MOUNTING QC700 180TC 210C	K	N
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 56C 140TC	R-NEMA Mounting 180TC 210C	T Holes	Low Speed Shaft U +.001 -.000	Low Speed Shaft V	Low Speed Shaft W-Key Sq.	Low Speed Shaft W-Key Length	Approximate Weight (LBS.) (1) F	Approximate Weight (LBS.) (1) QC	Base Kit No. †
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.

C

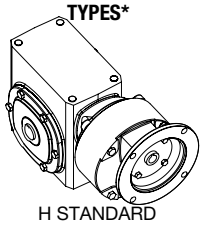
HMF and 700 Series Double Reduction Flanged Reducer Dimensions

HF700/HQC700 Series Flanged Quill/Flanged Coupling Types

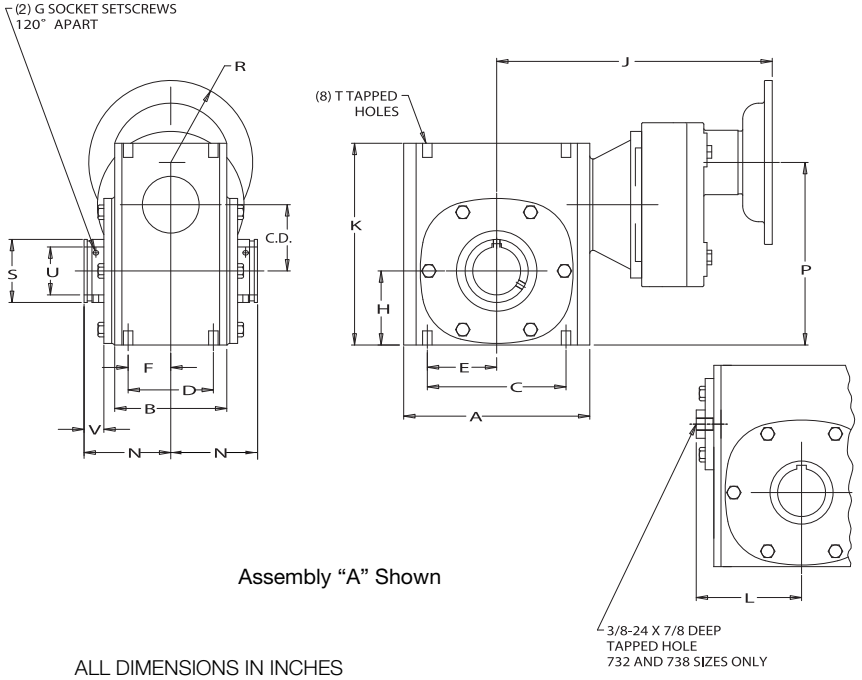
Basic Models (No Base); Bored to Size Hollow Output Shaft

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

ASSEMBLY TYPES*



H STANDARD



Assembly "A" Shown

ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting HF700 56C 140TC	J-NEMA Mounting HF700 180TC 210C	J-NEMA Mounting HF700 250TC	J-NEMA Mounting HQC700 56C 140TC	J-NEMA Mounting HQC700 180TC 210C	J-NEMA Mounting HQC700 250TC	K	L	N
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 56C 140TC	R-NEMA Mounting 180TC 210TC	R-NEMA Mounting 250TC	S	T Tap Size	T Depth	Low Speed Shaft Max U +.0015 -.0000	Low Speed Shaft V	Low Speed Shaft W-Key Sq.	Low Speed Shaft W-Key Length	Approx. Weight (LBS.) (1) HF	Approx. Weight (LBS.) (1) HQC	Fan Kit No.**
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	4.63	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.

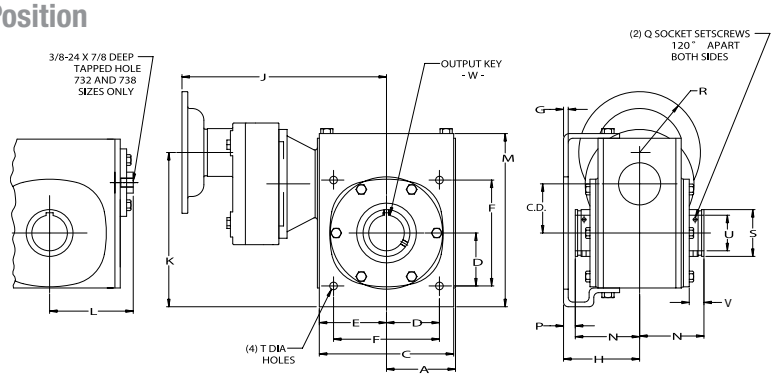
HMF and 700 Series Double Reduction Flanged Reducer Dimensions

HF700/HQC700 Series Flanged Quill/Flanged Coupling Types

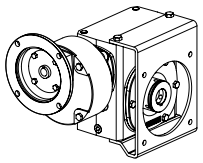
R/L Position Mounting Bracket; Bored to Size Hollow Output Shaft

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

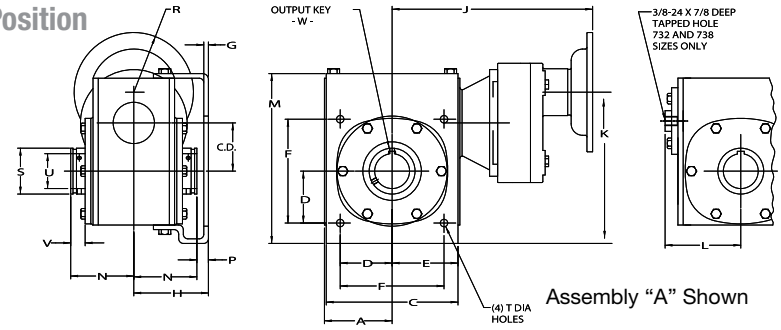
R Position



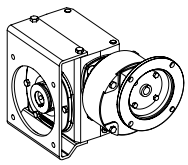
ASSEMBLY TYPES*



L Position



Assembly "A" Shown



ALL DIMENSIONS IN INCHES

Size	C.D.	A	B	C	D	E	F	G	H	J-NEMA Mounting HF700 56C 140TC	J-NEMA Mounting HF700 180TC 210C	J-NEMA Mounting HQC700 56C 140TC	J-NEMA Mounting HQC700 180TC 210C	K	L
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 56C 140TC	R-NEMA Mounting 180TC 210TC	S	T Holes	Low Speed Shaft Max U +.0015 -.0000	Low Speed Shaft V	Low Speed Shaft W-Key Size.	Low Speed Shaft W-Key Length	Approx. Weight (LBS.) (1) HF	Approx. Weight (LBS.) (1) HQC	Fan Kit No.**
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

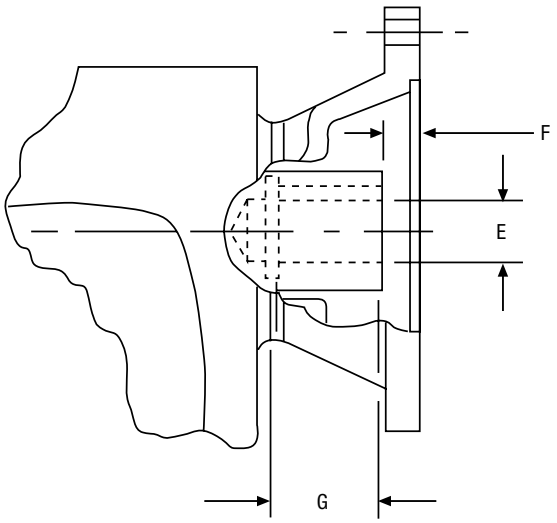
* See Assemblies and Mounting Positions, Pages 107 and 108.
** For Fan Kits, see Page 130.
(1) For sizes 724 and larger using HM3 add 25 lbs.
Input may be rotated clockwise or counterclockwise.

See Page 128 for available bore sizes.
Reference Page 245 for flange details.

C

F700 NEMA C Quill Type

Motor Flange Data

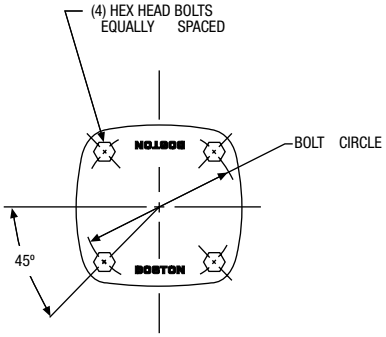


ALL DIMENSIONS IN INCHES

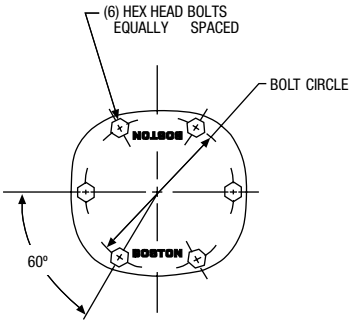
SIZE	BORE CODE	E	F	G
710	B4 B5	1/2 5/8	3/8 9/32	1-3/32 1-5/16
713	B5	5/8	23/32	1-5/16
715	B5 B7	5/8 7/8	21/32 7/16	1-5/8 1-3/4
718	B5 B7	5/8 7/8	21/32 17/32	1-5/8 1-3/4
721	B5 B7	5/8 7/8	5/8 13/16	1-5/8 1-3/4
724	B5 B7 B9	5/8 7/8 1-1/8	11/16 11/16 7/16	1-5/8 1-3/4 2-7/16
726	B5 B7 B9	5/8 7/8 1-1/8	5/8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

C

Cast Iron Output Bearing Carrier Data



710 THRU 724 SIZE
4 BOLT PATTERN

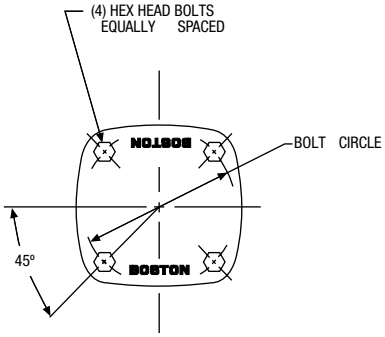


726 THRU 760 SIZE
6 BOLT PATTERN

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



710 THRU 760 SIZE
4 BOLT PATTERN

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