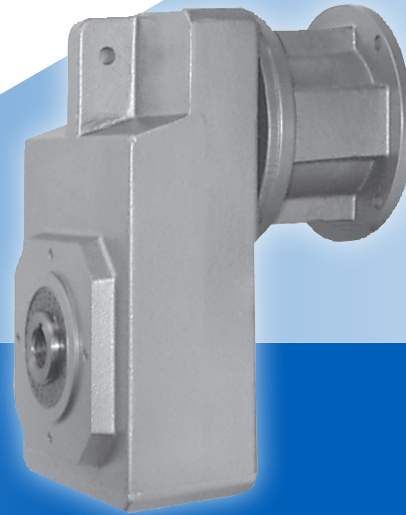


F Series: OFFSET — Solid Shaft/Hollow Output

F Series Features

- Input rating up to 33 HP
- Ratio options: 4.3:1 — 552:1
- Output Torque capability up to 9743 lb-in
- NEMA input capabilities of 56C, 143/145TC, 182/184TC, 213/215TC
- Output bore diameters from 3/4" to 2"
- Housing style options: feet, flange or tapped holes

Compact size and flexibility make these gear drives a popular choice for applications that require high performance, efficiency, and durability. F Series gear drives are available with a wide selection of exact ratios and output speeds to eliminate the need for expensive and maintenance prone external input drives.



**SHIPS in
1 DAY!**
NO EXPEDITE FEE FOR 24
HOUR SERVICE

F Series Benefits

- No maintenance - totally enclosed with no breather to allow contaminants in or oil out
- Lubricated for life with Mobil oil
- Simple motor mounting and removal with Bowex coupling system
- Energy savings - up to 97% efficiency
- Easy installation and removal with our patented bushing system and any horizontal mounting position
- Reliability guaranteed with 3 year warranty
- Adaptability
- Durability - IP69K Certified to prevent water and dust ingress
- Assembled in USA
- Combine units to achieve slower speeds to meet your application needs

F Series Food & Corrosion Resistant Options

"F" Option for Food Duty Applications

- Totally enclosed unit — no breathers, maintenance free, lubricated for life
- Mobil SHC CIBUS 220 food grade oil
- Anti-microbial clear coat
- 316 stainless steel epoxy coating
- Stainless steel shaft, hollow bore or double bushing output
- USDA Accepted Equipment

"B" Option for Corrosion Resistant Duty Applications

- Totally enclosed unit — no breathers, maintenance free, lubricated for life
- Mobil 600XP220 mineral oil
- 316 stainless steel epoxy coating
- Stainless steel shaft, hollow bore or double bushing output

Other F Series Design Options Available:

- Plated or stainless steel hardware
- IP69K certified (see page 6 for full details)





Overview

F Ordering Options At-a-Glance

F Series are available in a wide range of user-selected design options that tailor the speed reducer to your motor and exact application requirements. Use the appropriate order codes below to build a part number for the complete assembly.

Part Number Examples:

	1	2	3	4	5	6	7	8	9	0	I*
Standard duty	F	2	0	2	A	G	0043	MR140/	050		EL1
Food duty	F	2	0	2	A	G	0043	MR140/	050	F	EL1234

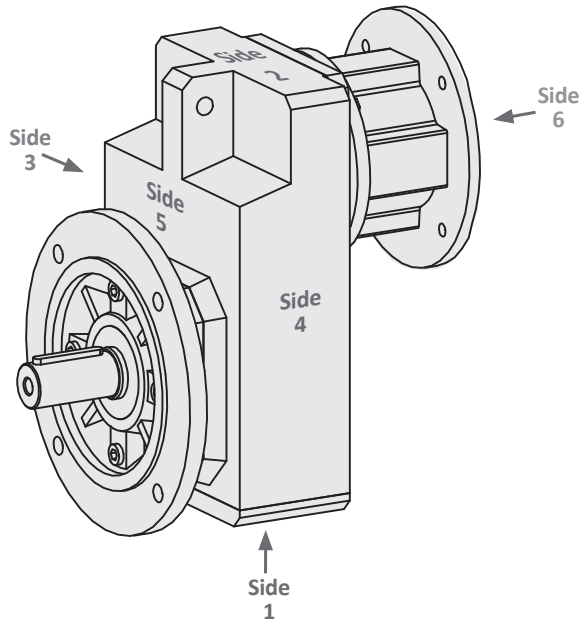
Design Option	Part Number Code	Description
1 Series	F	Offset helical (output is offset from input; gears are all helical)
2 Size	2	5 sizes of speed reducers (1, 2, 3, 4, 6)
3 Generation	0	First generation
4 # of Stages	2 3	Two or three stages (determined by ratio)
5 Output	A	Hollow bore output
	V	Solid shaft output (only available with output flange housing)
	W	Single or double wobble-free bushing
6 Housing	F	Output flange mount
	G	Pilot Circle Diameter (PCD) tapped holes
	GN	Foot mounting (with tapped holes for side mounting)
7 Ratio	0043	Ratios range from 4.3:1 to 552:1 (refer to Selection Data tables) Note: if a slower speed is required, units can be combined to achieve the necessary ratio for low speed applications. Contact STÖBER Drives Inc.
8 Motor Adapter	MR140 thru MR250	Round motor adapter sizes (refer to Selection Data tables)
9 NEMA Frame Size (refer to Selection Data tables)	050	56C
	140	143/145TC
	180	182/184TC
	210	213/215TC
0 Food & Corrosion Resistant Option	F	Food duty service
	B	Corrosion resistant duty service
I Mounting Position* <i>Refer to page 133 illustrations</i>	EL1 EL2	Mounting positions for 3 year warranty
	EL3 EL4	
	EL5 EL6	
	EL1234	
	EL5 EL6	

F Series: OFFSET — Solid Shaft / Hollow Output

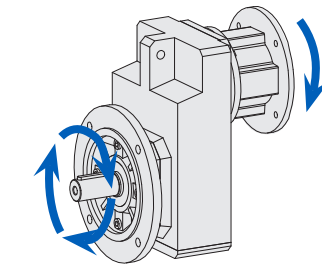
* Mounting position is added to "notes" section of order.

F Series: OFFSET — Solid Shaft/Hollow Output

F Series Orientation

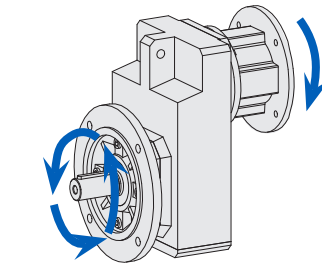


F Series Direction of Rotation



All 2 Stage Units

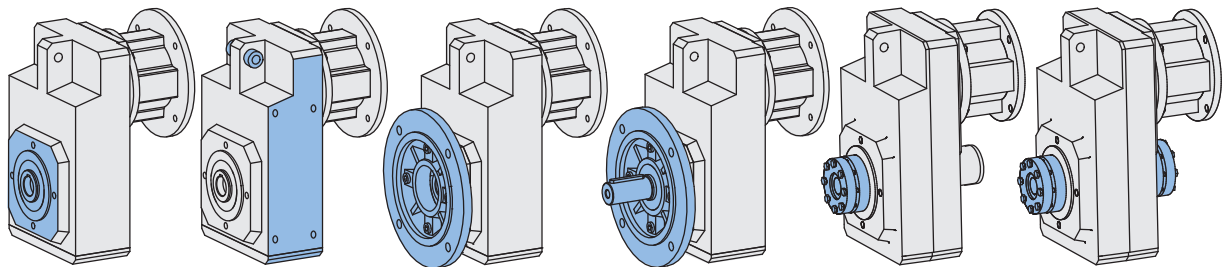
F102
F202
F302
F402
F602



All 3 Stage Units

F203
F303
F403
F603

F Output and Housing Configurations



See Page	page 143	page 144	page 146	page 147	page 148	page 150
Output	A Hollow Bore	A Hollow Bore	A Hollow Bore	V Solid Shaft	W Wobble Free Single Bushing*	W Wobble Free Double Bushing*
Housing	G Tapped Holes	GN Foot Mount (Sides 3 & 4)	F Flange Mount	F Flange Mount	G Tapped Holes	G Tapped Holes

* Single and double bushing outputs can be configured on side 5 (as shown); or on side 6 for two stage units only (same side as input). Please specify with order..

Availability*

Standard Duty	F1-F6	F1-F6	F1-F6	F1-F6	F1-F6	F1-F6 (2 stage units only)
Food & Corrosion Resistant Duty	F2-F4	F2-F4	F2-F4	—	F1-F6	F1-F6 (2 stage units only)

* See Output Options Chart page 133 for standard and optional solid shaft, hollow bore and wobble free bushing options.



Overview

F Series Output Options

BLUE: standard output diameters in stock

BLACK: optional diameters in stock

Other options are available upon request. Please contact STÖBER to learn about other options and their deliveries.

			F1	F2	F3	F4	F6
"V" Solid Shaft	Carbon Steel	Inches	1	1-1/4	1-3/8	1-5/8	2-1/8
		Metric	—	—	—	—	—
	Stainless Steel	Inches	—	—	—	—	—
		Metric	—	—	—	—	—
"A" Hollow Bore	Carbon Steel	Inches	3/4	1	1-1/4	1-7/16 1-1/2	2
		Metric	20	25	30	40	50
	Stainless Steel	Inches	—	—	1-1/4	1-1/2	—
		Metric	—	—	—	—	—
"W" Wobble Free Bushing	Stainless Steel Single & Double Bushings (Double Bushings only available with two stage units)	Inches	3/4	1 1-3/16	1 1-3/16 1-1/4 1-7/16 1-1/2	1-7/16 1-1/2	1-7/16 1-1/2 1-15/16 2
		Metric	20	—	—	40*	—

* Double bushing only

F Series: OFFSET — Solid Shaft / Hollow Output

F Mounting Position Options

When ordering any F unit, the mounting position must be specified. Use one of the mounting position order codes illustrated below that corresponds to the intended application.

Standard Duty

All STÖBER standard duty units are filled with the correct amount of lubrication before shipping. In order to provide the proper lubrication quantity, the mounting position must be specified at the time the unit is ordered.

Food & Corrosion Resistant Duty

Food and Corrosion Resistant Duty units are equipped with specialized seals, higher oil level, and additional features compared to standard units. These added features enable all horizontal output positions (EL1, 2, 3 and 4) to be used interchangeably, subject to size and ratio. Contact STÖBER for details.

DO NOT mount any reducer in a position other than the mounting position specified on the order!

The only exception are the horizontal "F" & "B" duty reducers illustrated below.

These mounting positions for "F" Food or "B" Corrosion Resistant Duty are all interchangeable.

Standard Duty: EL1

Standard Duty: EL2

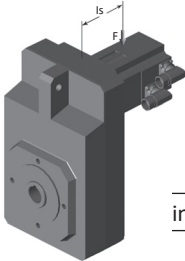
Food & Corrosion Resistant: EL3

Food & Corrosion Resistant: EL4

Food & Corrosion Resistant: EL1234

Permissible Motor Tilting Torque

The permissible tilting torque of the motor attached to the gear unit is a result of the static and dynamic load “F” from the motor weight, mass acceleration, and vibration multiplied by the distance from the center of gravity “*l_s*” of the motor.



$$M_{1k} = F \times l_s \leq M_{1K}$$

M_{1K}	MR140	MR160	MR200	MR250
in.lbs	221	531	1106	2212



Selection Data

F Sizing/Selection:

1. Find the **RPM Output (Approximate)** nearest the application requirement. (If the exact Output RPM is required, divide the Input RPM [1750] by the value listed in the Nominal Ratio column.)
- 2a. In the **Input HP** column, locate the rating that is greater than or equal to the required HP, or;
- 2b. If selection is based on Torque instead of HP, find an **Output Torque** that is equal to or greater than required.
3. Confirm that the **Overhung Load** is acceptable for the application.
4. Choose the appropriate **Base Module**, **Motor Adapter** and **NEMA C-Frame** part number order codes (see page 131 for complete ordering information). An optional input shaft, in place of the NEMA C-face motor adapter, is also available.

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft ¹⁾ (lbs)	Part Number Codes (in blue)		
Input HP	Output Torque (lb-in)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame ²⁾ with Designated Motor Adapter
405 RPM Output (Approximate)						
3.83*	577	4.308	275	F102_0043	MR160/050	56C
					MR160/140	143/145TC
385 RPM Output (Approximate)						
21.97*	3,492	4.546	833	F602_0045	MR200/180	182/184TC
33.79*	5,371	4.546	833	F602_0045	MR250/210	213/215TC
375 RPM Output (Approximate)						
7.22*	1,180	4.680	363	F202_0047	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
9.22*	1,496	4.644	503	F302_0046	MR160/050	56C
					MR160/140	143/145TC
9.22*	1,507	4.678	622	F402_0047	MR160/050	56C
					MR160/140	143/145TC
12.07*	1,960	4.644	503	F302_0046	MR200/180	182/184TC
19.84*	3,244	4.678	622	F402_0047	MR200/180	182/184TC
					MR250/210	213/215TC
315 RPM Output (Approximate)						
6.44*	1,250	5.552	385	F202_0056	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC

F Series: OFFSET — Solid Shaft / Hollow Output

* **Thermal HP Limit**

Base Module Size	F1	F2	F3	F4	F6
HP Limit	2.95	5.36	7.38	12.34	14.75

1) Overhung Load is measured at the center of the shaft extension. Hollow bore output units are not intended to support overhung loads. If a load rating is required, use 50% of the published overhung load.

2) Motor HP for TEFC NEMA C-Frame @ 1750 RPM	Order Code	050	140	180	210
C-Frame		56C	143/145TC	182/184TC	213/215TC
HP		1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10

F Series: OFFSET — Solid Shaft/Hollow Output

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft ¹⁾ (lbs)	Part Number Codes (in blue)		
Input HP	Output Torque (lb-in)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame ²⁾ with Designated Motor Adapter
305 RPM Output (Approximate)						
8.73*	1,746	5.720	540	F302_0057	MR160/050	56C
					MR160/140	143/145TC
9.22	1,873	5.813	669	F402_0058	MR160/050	56C
					MR160/140	143/145TC
10.50*	2,101	5.720	540	F302_0057	MR200/180	182/184TC
17.16*	3,488	5.813	669	F402_0058	MR200/180	182/184TC
					MR250/210	213/215TC
19.60*	3,887	5.673	897	F602_0057	MR200/180	182/184TC
29.15*	5,782	5.673	897	F602_0057	MR250/210	213/215TC
270 RPM Output (Approximate)						
2.92	661	6.462	315	F102_0065	MR160/050	56C
					MR160/140	143/145TC
244 RPM Output (Approximate)						
2.73	683	7.156	326	F102_0072	MR160/050	56C
					MR160/140	143/145TC
5.43*	1,361	7.167	419	F202_0072	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
7.92*	1,985	7.172	582	F302_0072	MR160/050	56C
					MR160/140	143/145TC
8.73	2,198	7.202	719	F402_0072	MR160/050	56C
					MR160/140	143/145TC
9.03*	2,265	7.172	582	F302_0072	MR200/180	182/184TC
14.88*	3,746	7.202	719	F402_0072	MR200/180	182/184TC
					MR250/210	213/215TC
17.04*	4,264	7.159	969	F602_0072	MR200/180	182/184TC
24.96*	6,248	7.159	969	F602_0072	MR250/210	213/215TC

1) Overhung Load is measured at the center of the shaft extension.

2) Motor HP for TEFC NEMA C-Frame @ 1750 RPM

Order Code	050	140	180	210
C-Frame	56C	143/145TC	182/184TC	213/215TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10



Selection Data

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft ¹⁾ (lbs)	Part Number Codes (in blue)		
Input HP	Output Torque (lb-in)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame ²⁾ with Designated Motor Adapter

195 RPM Output (Approximate)

2.35	736	8.948	351	F102_0089	MR160/050	56C
					MR160/140	143/145TC
4.66	1,468	9.006	452	F202_0090	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
6.87	2,159	8.986	627	F302_0090	MR160/050	56C
					MR160/140	143/145TC
7.70	2,418	8.980	773	F402_0090	MR160/050	56C
					MR160/140	143/145TC
7.77*	2,442	8.986	627	F302_0090	MR200/180	182/184TC
8.46	2,659	8.995	1,046	F602_0090	MR160/050	56C
					MR160/140	143/145TC
12.84*	4,032	8.980	773	F402_0090	MR200/180	182/184TC
					MR250/210	213/215TC
14.86*	4,674	8.995	1,046	F602_0090	MR200/180	182/184TC
21.44*	6,742	8.995	1,046	F602_0090	MR250/210	213/215TC

160 RPM Output (Approximate)

2.06	787	10.920	375	F102_0110	MR160/050	56C
					MR160/140	143/145TC
4.13	1,560	10.803	480	F202_0110	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.98	2,253	10.785	667	F302_0110	MR160/050	56C
					MR160/140	143/145TC
6.66	2,520	10.825	823	F402_0110	MR160/050	56C
					MR160/140	143/145TC
6.88	2,595	10.785	667	F302_0110	MR200/180	182/184TC
7.57	2,861	10.818	1,112	F602_0110	MR160/050	56C
					MR160/140	143/145TC
11.34	4,291	10.825	823	F402_0110	MR200/180	182/184TC
					MR250/210	213/215TC
13.28	5,024	10.818	1,112	F602_0110	MR200/180	182/184TC
18.96*	7,170	10.818	1,112	F602_0110	MR250/210	213/215TC

F Series: OFFSET — Solid Shaft / Hollow Output

* Thermal HP Limit

Base Module Size	F1	F2	F3	F4	F6
HP Limit	2.95	5.36	7.38	12.34	14.75

F Series: OFFSET — Solid Shaft/Hollow Output

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft ¹⁾ (lbs)	Part Number Codes (in blue)		
Input HP	Output Torque (lb-in)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame ²⁾ with Designated Motor Adapter
130 RPM Output (Approximate)						
1.78	846	13.588	403	F102_0135	MR160/050	56C
					MR160/140	143/145TC
3.54	1,686	13.625	519	F202_0135	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.12	2,395	13.384	716	F302_0135	MR160/050	56C
					MR160/140	143/145TC
5.86	2,781	13.569	887	F402_0135	MR160/050	56C
					MR160/140	143/145TC
5.96	2,789	13.384	716	F302_0135	MR200/180	182/184TC
6.36	3,025	13.609	1,200	F602_0135	MR160/050	56C
					MR160/140	143/145TC
9.75	4,627	13.569	887	F402_0135	MR200/180	182/184TC
					MR250/210	213/215TC
11.15	5,304	13.609	1,200	F602_0135	MR200/180	182/184TC
16.27*	7,740	13.609	1,200	F602_0135	MR250/210	213/215TC
95 RPM Output (Approximate)						
1.45	937	18.457	446	F102_0185	MR160/050	56C
					MR160/140	143/145TC
2.87	1,872	18.651	576	F202_0185	MR160/050	56C
					MR160/140	143/145TC
4.76	3,122	18.774	802	F302_0190	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
7.90	5,142	18.620	986	F402_0185	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
13.25	8,578	18.522	1,330	F602_0185	MR200/180	182/184TC
					MR250/210	213/215TC

1) Overhung Load is measured at the center of the shaft extension.

2) Motor HP for TEFC NEMA C-Frame @ 1750 RPM

Order Code	050	140	180	210
C-Frame	56C	143/145TC	182/184TC	213/215TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10



Selection Data

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft ¹⁾ (lbs)	Part Number Codes (in blue)		
Input HP	Output Torque (lb-in)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame ²⁾ with Designated Motor Adapter
75 RPM Output (Approximate)						
1.25	1,010	23.080	481	F102_0230	MR160/050	56C
					MR160/140	143/145TC
2.47	2,020	23.434	622	F202_0230	MR160/050	56C
					MR160/140	143/145TC
4.09	3,365	23.520	864	F302_0240	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
6.82	5,534	23.214	1,061	F402_0230	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
8.46	6,880	23.272	1,436	F602_0230	MR160/050	56C
					MR160/140	143/145TC
11.38	9,256	23.272	1,436	F602_0230	MR200/180	182/184TC
					MR250/210	213/215TC
60 RPM Output (Approximate)						
1.08	1,063	28.167	514	F102_0280	MR160/050	56C
					MR160/140	143/145TC
2.16	2,126	28.112	660	F202_0280	MR160/050	56C
					MR160/140	143/145TC
3.59	3,543	28.230	919	F302_0280	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
6.02	5,890	27.986	1,130	F402_0280	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
7.57	7,401	27.986	1,527	F602_0280	MR160/050	56C
					MR160/140	143/145TC
9.96	9,744	27.986	1,527	F602_0280	MR200/180	182/184TC
					MR250/210	213/215TC

F Series: OFFSET — Solid Shaft / Hollow Output

* Thermal HP Limit

Base Module Size	F1	F2	F3	F4	F6
HP Limit	2.95	5.36	7.38	12.34	14.75

F Series: OFFSET — Solid Shaft/Hollow Output

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft ¹⁾ (lbs)	Part Number Codes (in blue)		
Input HP	Output Torque (lb-in)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame ²⁾ with Designated Motor Adapter
50 RPM Output (Approximate)						
0.87	1,063	35.049	553	F102_0350	MR160/050	56C
1.72	2,126	35.455	714	F202_0350	MR160/050	56C
					MR160/140	143/145TC
2.89	3,543	35.034	987	F302_0350	MR160/050	56C
					MR160/140	143/145TC
5.06	6,201	35.079	1,218	F402_0350	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
6.36	7,825	35.208	1,648	F602_0350	MR160/050	56C
					MR160/140	143/145TC
7.92	9,744	35.208	1,648	F602_0350	MR200/180	182/184TC
35 RPM Output (Approximate)						
0.65	1,063	46.429	607	F102_0460	MR160/050	56C
1.29	2,126	47.045	784	F202_0470	MR160/050	56C
					MR160/140	143/145TC
2.15	3,543	47.185	1,090	F302_0470	MR160/050	56C
					MR160/140	143/145TC
3.78	6,201	46.944	1,342	F402_0470	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.11	8,344	46.719	1,811	F602_0470	MR160/050	56C
					MR160/140	143/145TC
5.97	9,744	46.719	1,811	F602_0470	MR200/180	182/184TC
30 RPM Output (Approximate)						
0.54	1,063	55.972	646	F102_0560	MR160/050	56C
1.07	2,126	56.727	835	F202_0570	MR160/050	56C
					MR160/140	143/145TC
1.79	3,543	56.486	1,158	F302_0560	MR160/050	56C
					MR160/140	143/145TC
3.17	6,201	55.972	1,423	F402_0560	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
4.50	8,775	55.714	1,920	F602_0560	MR160/050	56C
					MR160/140	143/145TC
5.00	9,744	55.714	1,920	F602_0560	MR200/180	182/184TC

1) Overhung Load is measured at the center of the shaft extension.

2) Motor HP for TEFC NEMA C-Frame @ 1750 RPM

Order Code	050	140	180	210
C-Frame	56C	143/145TC	182/184TC	213/215TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10



Selection Data

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft ¹⁾ (lbs)	Part Number Codes (in blue)		
Input HP	Output Torque (lb-in)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame ²⁾ with Designated Motor Adapter
25 RPM Output (Approximate)						
0.43	1,063	70.056	696	F102_0700	MR160/050	56C
0.87	2,126	70.130	896	F202_0700	MR160/050	56C
1.44	3,543	70.359	1,245	F302_0700	MR160/050	56C
					MR160/140	143/145TC
2.53	6,201	70.056	1,534	F402_0700	MR160/050	56C
					MR160/140	143/145TC
3.74	9,102	69.643	2,069	F602_0700	MR160/050	56C
					MR160/140	143/145TC
4.00	9,744	69.643	2,069	F602_0700	MR200/180	182/184TC
19 RPM Output (Approximate)						
0.33	1,063	93.631	767	F102_0940	MR140/050	56C
0.65	2,126	93.818	987	F202_0940	MR160/050	56C
1.08	3,543	93.644	1,370	F302_0940	MR160/050	56C
					MR160/140	143/145TC
1.90	6,201	93.333	1,688	F402_0930	MR160/050	56C
					MR160/140	143/145TC
2.84	9,258	93.333	2,281	F602_0930	MR160/050	56C
					MR160/140	143/145TC
15 RPM Output (Approximate)						
0.27	1,063	111.944	814	F102_1120	MR140/050	56C
0.54	2,126	112.727	1,049	F202_1130	MR140/050	56C
0.90	3,543	112.848	1,458	F302_1130	MR160/050	56C
1.58	6,201	112.273	1,795	F402_1120	MR160/050	56C
					MR160/140	143/145TC
2.43	9,546	112.202	2,425	F602_1120	MR160/050	56C
					MR160/140	143/145TC
13 RPM Output (Approximate)						
0.43	2,126	140.909	1,130	F202_1410	MR140/050	56C
0.72	3,543	140.648	1,569	F302_1410	MR140/050	56C
1.27	6,201	139.750	1,931	F402_1400	MR160/050	56C
					MR160/140	143/145TC
1.98	9,690	139.750	2,609	F602_1400	MR160/050	56C
					MR160/140	143/145TC

F Series: OFFSET — Solid Shaft / Hollow Output

F Series: OFFSET — Solid Shaft/Hollow Output

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft ¹⁾ (lbs)	Part Number Codes (in blue)		
Input HP	Output Torque (lb-in)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame ²⁾ with Designated Motor Adapter
10 RPM Output (Approximate)						
0.34	2,126	184.261	1,215	F203_1840	MR140/050	56C
0.56	3,543	182.449	1,688	F303_1820	MR160/050	56C
0.99	6,201	181.519	2,081	F403_1820	MR160/050	56C
1.57	9,744	180.646	2,813	F603_1810	MR160/050	56C
					MR160/140	143/145TC
8 RPM Output (Approximate)						
0.28	2,126	222.182	1,215	F203_2220	MR140/050	56C
0.47	3,543	218.413	1,688	F303_2180	MR160/050	56C
0.83	6,201	216.426	2,081	F403_2160	MR160/050	56C
1.31	9,744	215.429	2,813	F603_2150	MR160/050	56C
					MR160/140	143/145TC
6 RPM Output (Approximate)						
0.22	2,126	274.675	1,215	F203_2750	MR140/050	56C
0.38	3,543	272.055	1,688	F303_2720	MR160/050	56C
0.66	6,201	270.881	2,081	F403_2710	MR160/050	56C
1.05	9,744	269.286	2,813	F603_2690	MR160/050	56C
					MR160/140	143/145TC
5 RPM Output (Approximate)						
0.17	2,126	367.455	1,215	F203_3670	MR140/050	56C
0.28	3,543	362.092	1,688	F303_3620	MR160/050	56C
0.50	6,201	360.889	2,081	F403_3610	MR160/050	56C
0.78	9,744	360.889	2,813	F603_3610	MR160/050	56C
4 RPM Output (Approximate)						
0.14	2,126	441.515	1,215	F203_4420	MR140/050	56C
0.23	3,543	441.990	1,688	F303_4420	MR140/050	56C
0.41	6,201	434.121	2,081	F403_4340	MR160/050	56C
0.65	9,744	433.849	2,813	F603_4340	MR160/050	56C
3 RPM Output (Approximate)						
0.19	3,543	550.872	1,688	F303_5510	MR140/050	56C
0.33	6,201	547.354	2,081	F403_5470	MR140/050	56C
0.52	9,744	540.367	2,813	F603_5400	MR160/050	56C

NOTE: For slower speeds than those shown, units can be combined. Contact STÖBER Drives Inc.

1) Overhung Load is measured at the center of the shaft extension.

2) Motor HP for TEFC NEMA C-Frame @ 1750 RPM

Order Code	050	140	180	210
C-Frame	56C	143/145TC	182/184TC	213/215TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10