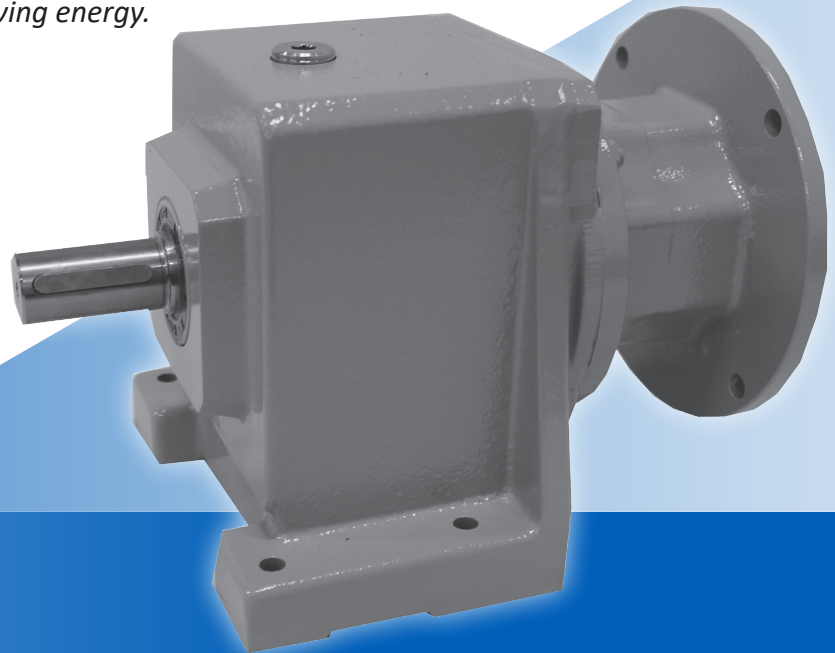


## C Series: INLINE — Solid Shaft Output

### C Series Features

- Input rating up to 105 HP
- Ratio options: 2:1 – 276:1
- Output Torque capability up to 53,000 lb-in
- NEMA input capabilities of 56C, 143/145TC, 182/184TC, 213/215TC, 254/256TC, 284/286TC, 324/326TC, 364/365TC
- Output shaft diameters from 1" – 3-5/8"
- Housing style options: feet, flange or tapped holes

*C Series inline versatile gear drives offer you performance, durability, and economy for a wide range of constant speed applications. High efficiency helical gearing keeps motor size to a minimum while conserving energy.*



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

### C 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 with any horizontal mounting position
- Reliability guaranteed with 3 year warranty
- Durability - IP69K Certified to prevent water and dust ingress
- Assembled in USA
- Combine units to achieve slower speeds to meet your application needs

### C 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

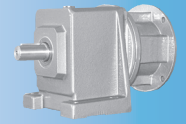
#### "B" Option for Corrosion Resistant Duty Applications

- 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 C Series Design Options Available:

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





# Overview

## C Ordering Options At-a-Glance

C 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*
Standard duty	C	2	0	2	N	0040	MR140/	050		EL1
Food duty	C	2	0	2	N	0040	MR140/	050	F	EL1234

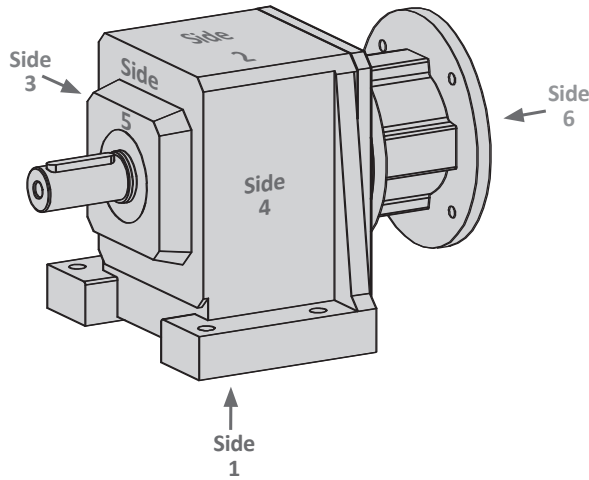
Design Option	Part Number Code	Description
1 Series	C	Concentric helical (output and input in line/gears are all helical)
2 Size	2	10 sizes of speed reducers (0 thru 9)
3 Generation	0 1	0 for sizes C0 thru C5; 1 for sizes C6 thru C9
4 # of Stages	2 3	Two or three stages (determined by ratio)
5 Housing	F	Output flange mount
	G	Pilot Circle Diameter (PCD) tapped holes
	N	Foot mounting
	Q	Square output flange (not bolt on)
6 Ratio	0040	Ratios range from 2:1 to 276:1 (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.
7 Motor Adapter	MR140 thru MR350	Round motor adapter sizes (refer to Selection Data tables)
	050 140 180 210 250 280 320 360	56C 143/145TC 182/184TC 213/215TC 254/256TC 284/286TC 324/326TC 364/365TC
8 NEMA Frame Size (refer to Selection Data tables)		
9 Food & Corrosion Resistant Option	F	Food duty service
	B	Corrosion resistant duty service
0 Mounting Position* <i>Refer to page 91 illustrations</i>	EL1 EL2 EL3 EL4 EL5 EL6	Mounting positions for 3 year warranty
	EL1234 EL5 EL6	

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

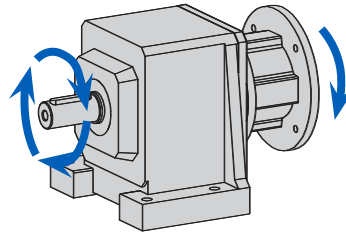
C Series: INLINE — Solid Shaft Output

# C Series: INLINE — Solid Shaft Output

## C Series Orientation

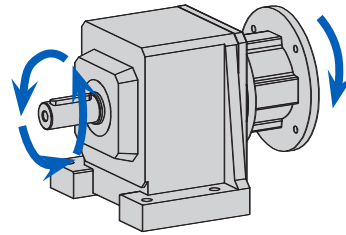


## C Series Direction of Rotation



### All 2 Stage Units

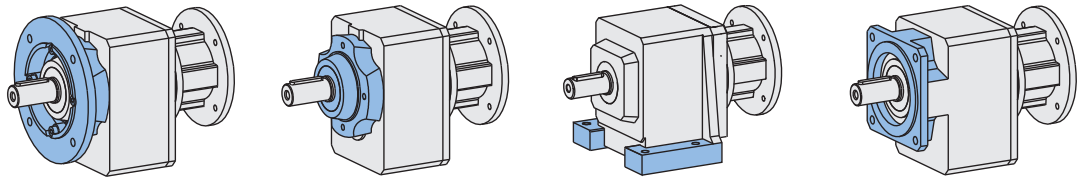
C002	C612
C102	C712
C202	C812
C302	C912
C402	
C502	



### All 3 Stage Units

C103	C613
C203	C713
C303	C813
C403	C913
C503	

## C Output and Housing Configurations



See Page	page 122	page 124	page 126	page 128
Housing Style	F Flange Mount	G Tapped Holes	N Foot Mount	Q Square Flange

### Availability\*

Standard Duty	C0-C9	C0-C9	C0-C9	C0-C4
Food & Corrosion Resistant Duty**	C0-C8	C0-C8	C0-C8	C0-C4

\* Refer to Output Options chart below for standard and optional solid shaft options. Food and Corrosion Resistant Duty require stainless steel.

\*\* On C6 and above, food and corrosion resistant duty availability is dependent on mounting position, ratio, input speed and ambient temperature. Breathers may be required. Please contact the factory for support.

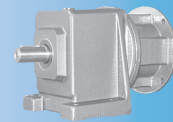
## C Series Output Options

**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.

			C0	C1	C2	C3	C4	C5	C6	C7	C8	C9
Solid Shaft	Carbon Steel	Inches	3/4	1	1-1/4	1-1/4	1-5/8	1-5/8	2-1/8	2-3/8	2-7/8	3-5/8
		Metric	20	25	30	30	40	40	50	60	70	90
	Stainless Steel	Inches	3/4	1	1-1/4	1-1/4	1-5/8	1-5/8	2-1/8	2-3/8	2-7/8	—
		Metric	—	—	—	25	—	—	—	—	—	—



# Overview

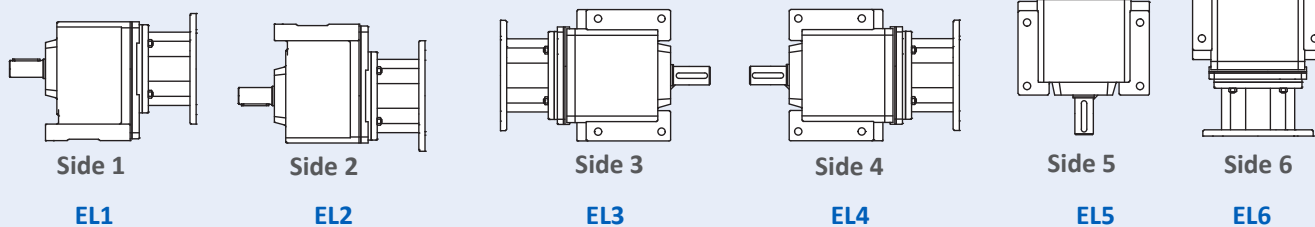
## C Mounting Position Options

When ordering any C 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.

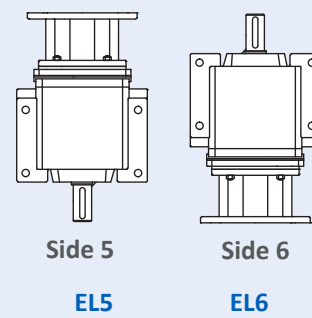
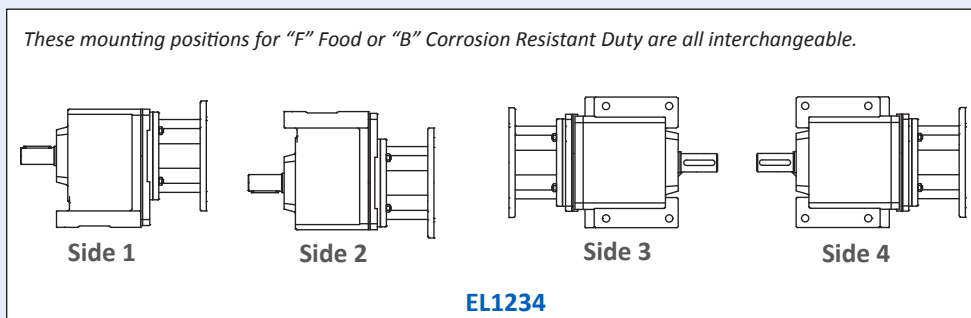
**DO NOT mount any reducer in a position other than the mounting position specified on the order!**



### 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. On C6 and above, food and corrosion resistant duty availability is dependent on mounting position, ratio, input speed and ambient temperature. Breathers may be required. Please contact the factory for support. Contact STÖBER for details.

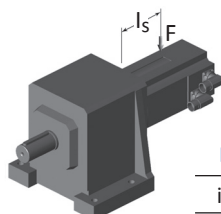
**DO NOT mount horizontal Food and Corrosion Resistant Duty reducers in a vertical position, or mount vertical position reducers other than specified on the order!**



**C Series: INLINE — Solid Shaft Output**

## 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<sub>s</sub>" of the motor.



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

M <sub>1k</sub>	MR140	MR160	MR200	MR250	MR300	MR350
in.lbs	221	531	1106	2212	5310	10,620

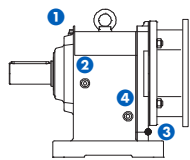
# C Series: INLINE — Solid Shaft Output

## C Series Lubrication Maintenance

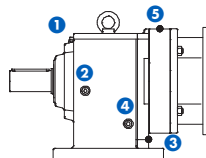
C002 thru C502/C503 are supplied without breathers and are lubricated for life and maintenance free.

Breathers are provided on standard units C612/C613 thru C912/C913, located as shown\*. STOBBER recommends changing the lubrication in breather supplied units after 10,000 hours for normal operating conditions or every 5,000 hours for wet operating conditions.

*\*C612/C613 and larger units with the Food & Corrosion Resistant option can exclude a breather. Contact STOBBER for details.*



**2 Stage Units**  
(C612 thru C912)

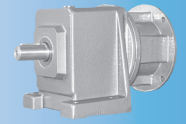


**3 Stage Units**  
(C613 thru C913)

### Drain Plug and Vent Location

Mounting Position	1	2 *	2a *	3	5
<b>EL1</b>	Vent			Drain	
<b>EL2</b>	Drain			Vent	
<b>EL3</b>		Vent	Drain		
<b>EL4</b>		Drain	Vent		
<b>EL5</b>	C612-C912	Drain		Vent	
		C613-C913	Drain		Vent
<b>EL6</b>	Vent			Drain	

*\* Position 2a is on the opposite side of 2.*



# Selection Data

## C 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 89 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 <sup>1)</sup> (lbs)	Part Number Codes (in blue)		
Input HP	Output Torque (lb-in)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>875 RPM Output (Approximate)</b>						
4.17*	291	1.997	121	C002_0020	MR160/050	56C
					MR160/140	143/145TC
8.29*	585	2.018	218	C102_0020	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
9.22*	647	2.009	269	C202_0020	MR160/050	56C
					MR160/140	143/145TC
9.22*	651	2.020	362	C302_0020	MR160/050	56C
					MR160/140	143/145TC
12.70*	892	2.009	269	C202_0020	MR200/180	182/184TC
19.97*	1,411	2.020	362	C302_0020	MR200/180	182/184TC
20.71*	1,463	2.020	362	C302_0020	MR250/210	213/215TC
21.97*	1,512	1.968	616	C402_0020	MR200/180	182/184TC
24.58*	1,698	1.976	700	C502_0020	MR200/180	182/184TC
30.65*	2,109	1.968	616	C402_0020	MR250/210	213/215TC
39.32*	2,717	1.976	700	C502_0020	MR250/210	213/215TC
47.38*	3,273	1.976	700	C502_0020	MR300/250	254/256TC
					MR300/280	284/286TC

C Series: INLINE — Solid Shaft Output

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	250	280	320	360
C-Frame	56C	143/145TC	182/184TC	213/215TC	254/256TC	284/286TC	324/326TC	364/365TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10	15, 20	25, 30	40, 50	60, 75

\* Thermal HP Limit

Base Module Size	C0	C1	C2	C3	C4	C5	C6	C7	C8	C9
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

# C Series: INLINE — Solid Shaft Output

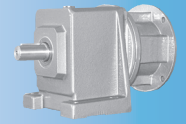
1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft <sup>1)</sup> (lbs.)	Part Number Codes (in blue)		
Input HP	Output Torque (in. lbs.)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>795 RPM Output (Approximate)</b>						
7.88*	600	2.177	223	C102_0022	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
9.22	701	2.177	371	C302_0022	MR160/050	56C
					MR160/140	143/145TC
9.22	704	2.184	276	C202_0022	MR160/050	56C
					MR160/140	143/145TC
12.01*	917	2.184	276	C202_0022	MR200/180	182/184TC
					MR250/180	182/184TC
19.70*	1,499	2.177	371	C302_0022	MR200/180	182/184TC
					MR250/180	182/184TC
					MR250/210	213/215TC
<b>730 RPM Output (Approximate)</b>						
7.40*	619	2.394	231	C102_0024	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
<b>705 RPM Output (Approximate)</b>						
8.73*	755	2.475	288	C202_0025	MR160/050	56C
					MR160/140	143/145TC
9.22	809	2.510	389	C302_0025	MR160/050	56C
					MR160/140	143/145TC
11.05*	956	2.475	288	C202_0025	MR200/180	182/184TC
17.59*	1,544	2.510	389	C302_0025	MR200/180	182/184TC
17.92*	1,572	2.510	389	C302_0025	MR250/210	213/215TC
19.60*	1,683	2.456	663	C402_0025	MR200/180	182/184TC
26.44*	2,271	2.456	663	C402_0025	MR250/210	213/215TC
<b>680 RPM Output (Approximate)</b>						
7.03*	635	2.582	236	C102_0026	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
<b>650 RPM Output (Approximate)</b>						
8.73*	821	2.690	296	C202_0027	MR160/050	56C
					MR160/140	143/145TC
9.22	872	2.705	399	C302_0027	MR160/050	56C
					MR160/140	143/145TC
10.45*	983	2.690	296	C202_0027	MR200/180	182/184TC
17.04*	1,612	2.705	399	C302_0027	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	250	280	320	360
C-Frame	56C	143/145TC	182/184TC	213/215TC	254/256TC	284/286TC	324/326TC	364/365TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10	15, 20	25, 30	40, 50	60, 75





# Selection Data

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft <sup>1)</sup> (lbs.)	Part Number Codes (in blue)		
Input HP	Output Torque (in. lbs.)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>630 RPM Output (Approximate)</b>						
3.36*	325	2.769	135	C002_0028	MR160/050	56C
					MR160/140	143/145TC
<b>565 RPM Output (Approximate)</b>						
3.14*	336	3.067	140	C002_0031	MR160/050	56C
					MR160/140	143/145TC
6.24*	674	3.091	251	C102_0031	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
7.92*	859	3.103	310	C202_0031	MR160/050	56C
					MR160/140	143/145TC
8.73	949	3.110	418	C302_0031	MR160/050	56C
					MR160/140	143/145TC
9.50*	1,031	3.103	310	C202_0031	MR200/180	182/184TC
15.28*	1,661	3.110	418	C302_0031	MR200/180	182/184TC
15.53*	1,689	3.110	418	C302_0031	MR250/210	213/215TC
17.04*	1,846	3.099	717	C402_0031	MR200/180	182/184TC
19.60	2,108	3.077	811	C502_0031	MR200/180	182/184TC
22.64*	2,454	3.099	717	C402_0031	MR250/210	213/215TC
34.42*	3,703	3.077	811	C502_0031	MR250/210	213/215TC
35.26*	3,794	3.077	811	C502_0031	MR300/250	254/256TC
					MR300/280	284/286TC
<b>525 RPM Output (Approximate)</b>						
2.97*	345	3.318	144	C002_0033	MR160/050	56C
					MR160/140	143/145TC
5.93*	691	3.334	257	C102_0033	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
<b>520 RPM Output (Approximate)</b>						
7.92*	933	3.373	319	C202_0034	MR160/050	56C
					MR160/140	143/145TC
8.73	1,023	3.352	429	C302_0034	MR160/050	56C
					MR160/140	143/145TC
8.99*	1,060	3.373	319	C202_0034	MR200/180	182/184TC
14.77*	1,732	3.352	429	C302_0034	MR200/180	182/184TC
					MR250/210	213/215TC

C Series: INLINE — Solid Shaft Output

\* Thermal HP Limit

Base Module Size	C0	C1	C2	C3	C4	C5	C6	C7	C8	C9
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05



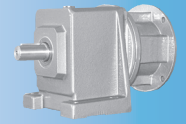
# C Series: INLINE — Solid Shaft Output

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft <sup>1)</sup> (lbs.)	Part Number Codes (in blue)		
Input HP	Output Torque (in. lbs.)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>450 RPM Output (Approximate)</b>						
2.70	362	3.835	151	C002_0038	MR160/050	56C
					MR160/140	143/145TC
5.36	727	3.883	271	C102_0039	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
6.87	934	3.888	335	C202_0039	MR160/050	56C
					MR160/140	143/145TC
7.70	1,044	3.878	450	C302_0039	MR160/050	56C
					MR160/140	143/145TC
8.18*	1,111	3.888	335	C202_0039	MR200/180	182/184TC
8.46	1,151	3.894	773	C402_0039	MR160/050	56C
					MR160/140	143/145TC
13.41*	1,818	3.878	450	C302_0039	MR200/180	182/184TC
					MR250/210	213/215TC
14.86*	2,024	3.894	773	C402_0039	MR200/180	182/184TC
17.24	2,330	3.867	875	C502_0039	MR200/180	182/184TC
19.45*	2,648	3.894	773	C402_0039	MR250/210	213/215TC
<b>450 RPM Output (Continued)</b>						
30.22*	4,086	3.867	875	C502_0039	MR250/210	213/215TC
30.28*	4,094	3.867	875	C502_0039	MR300/250	254/256TC
					MR300/280	284/286TC
<b>420 RPM Output (Approximate)</b>						
2.56	372	4.149	155	C002_0041	MR160/050	56C
					MR160/140	143/145TC
5.09	746	4.189	278	C102_0042	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
6.87	1,016	4.226	344	C202_0042	MR160/050	56C
					MR160/140	143/145TC
7.70	1,125	4.179	461	C302_0042	MR160/050	56C
					MR160/140	143/145TC
7.73*	1,143	4.226	344	C202_0042	MR200/180	182/184TC
12.75*	1,864	4.179	461	C302_0042	MR200/180	182/184TC
					MR250/210	213/215TC
24.58	3,595	4.184	1,307	C612_0042	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	250	280	320	360
C-Frame	56C	143/145TC	182/184TC	213/215TC	254/256TC	284/286TC	324/326TC	364/365TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10	15, 20	25, 30	40, 50	60, 75



# Selection Data

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft <sup>1)</sup> (lbs.)	Part Number Codes (in blue)		
Input HP	Output Torque (in. lbs.)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>420 RPM Output Continued</b>						
39.32*	5,752	4.184	1,307	<b>C612_0042</b>	<b>MR250/210</b>	213/215TC
53.33*	7,802	4.184	1,307	<b>C612_0042</b>	<b>MR300/250</b>	254/256TC
					<b>MR300/280</b>	284/286TC
105.20*	15,541	4.225	2,458	<b>C812_0042</b>	<b>MR350/320</b>	324/326TC
					<b>MR350/360</b>	364/365TC
<b>410 RPM Output (Approximate)</b>						
24.58	3,659	4.259	1,807	<b>C712_0043</b>	<b>MR200/180</b>	182/184TC
39.32	5,855	4.259	1,807	<b>C712_0043</b>	<b>MR250/210</b>	213/215TC
73.72*	10,978	4.259	1,807	<b>C712_0043</b>	<b>MR300/250</b>	254/256TC
					<b>MR300/280</b>	284/286TC
<b>375 RPM Output (Approximate)</b>						
2.37	387	4.680	161	<b>C002_0047</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
4.75	773	4.658	288	<b>C102_0047</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
					<b>MR200/180</b>	182/184TC
5.98	975	4.667	356	<b>C202_0047</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
6.66	1,088	4.675	479	<b>C302_0047</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
7.24	1,181	4.667	356	<b>C202_0047</b>	<b>MR200/180</b>	182/184TC
7.57	1,238	4.682	822	<b>C402_0047</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
8.68	1,404	4.629	929	<b>C502_0046</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
11.62	1,899	4.675	479	<b>C302_0047</b>	<b>MR200/180</b>	182/184TC
11.84	1,935	4.675	479	<b>C302_0047</b>	<b>MR250/180</b>	182/184TC
					<b>MR250/210</b>	213/215TC
13.28	2,174	4.682	822	<b>C402_0047</b>	<b>MR200/180</b>	182/184TC
15.25	2,468	4.629	929	<b>C502_0046</b>	<b>MR200/180</b>	182/184TC
17.20*	2,815	4.682	822	<b>C402_0047</b>	<b>MR250/180</b>	182/184TC
					<b>MR250/210</b>	213/215TC
26.64*	4,312	4.629	929	<b>C502_0046</b>	<b>MR250/180</b>	182/184TC
					<b>MR250/210</b>	213/215TC
26.86*	4,347	4.629	929	<b>C502_0046</b>	<b>MR300/250</b>	254/256TC
					<b>MR300/280</b>	284/286TC

C Series: INLINE — Solid Shaft Output

\* Thermal HP Limit

Base Module Size	C0	C1	C2	C3	C4	C5	C6	C7	C8	C9
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

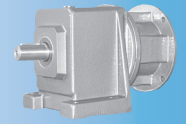
# C Series: INLINE — Solid Shaft Output

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft <sup>1)</sup> (lbs.)	Part Number Codes (in blue)		
Input HP	Output Torque (in. lbs.)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>345 RPM Output (Approximate)</b>						
2.25	397	5.063	165	C002_0051	MR160/050	56C
					MR160/140	143/145TC
4.51	793	5.025	295	C102_0050	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.98	1,060	5.072	366	C202_0051	MR160/050	56C
					MR160/140	143/145TC
6.66	1,173	5.038	491	C302_0050	MR160/050	56C
					MR160/140	143/145TC
6.85	1,214	5.072	366	C202_0051	MR200/180	182/184TC
					MR200/180	182/184TC
11.26	1,983	5.038	491	C302_0050	MR250/210	213/215TC
					MR250/210	213/215TC
24.58	4,367	5.083	1,394	C612_0051	MR200/180	182/184TC
39.32*	6,988	5.083	1,394	C612_0051	MR250/210	213/215TC
46.84*	8,325	5.083	1,394	C612_0051	MR300/250	254/256TC
					MR300/280	284/286TC
<b>330 RPM Output (Approximate)</b>						
73.72*	13,690	5.311	1,945	C712_0053	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
<b>300 RPM Output (Approximate)</b>						
2.05	416	5.824	173	C002_0058	MR160/050	56C
					MR160/140	143/145TC
4.07	835	5.875	311	C102_0059	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.12	1,036	5.791	382	C202_0058	MR160/050	56C
					MR160/140	143/145TC
5.86	1,201	5.859	516	C302_0059	MR160/050	56C
					MR160/140	143/145TC
6.27	1,269	5.791	382	C202_0058	MR200/180	182/184TC
					MR200/180	182/184TC
6.36	1,309	5.891	888	C402_0059	MR160/050	56C
					MR160/140	143/145TC
7.39	1,510	5.850	1,005	C502_0059	MR160/050	56C
					MR160/140	143/145TC

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	250	280	320	360
C-Frame	56C	143/145TC	182/184TC	213/215TC	254/256TC	284/286TC	324/326TC	364/365TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10	15, 20	25, 30	40, 50	60, 75



# Selection Data

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft <sup>1)</sup> (lbs.)	Part Number Codes (in blue)		
Input HP	Output Torque (in. lbs.)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>300 RPM Output (Continued)</b>						
10.18	2,086	5.859	516	C302_0059	MR200/180	182/184TC
					MR250/210	213/215TC
11.15	2,296	5.891	888	C402_0059	MR200/180	182/184TC
12.98	2,656	5.850	1,005	C502_0059	MR200/180	182/184TC
14.76*	3,039	5.891	888	C402_0059	MR250/180	182/184TC
					MR250/210	213/215TC
22.70*	4,642	5.850	1,005	C502_0059	MR250/210	213/215TC
22.98*	4,700	5.850	1,005	C502_0059	MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
<b>275 RPM Output (Approximate)</b>						
1.94	427	6.300	178	C002_0063	MR160/050	56C
					MR160/140	143/145TC
3.87	856	6.338	319	C102_0063	MR160/050	56C
					MR160/140	143/145TC
5.12	1,127	6.295	393	C202_0063	MR200/180	182/184TC
					MR160/050	56C
5.86	1,294	6.314	529	C302_0063	MR160/140	143/145TC
					MR160/050	56C
5.93	1,305	6.295	393	C202_0063	MR160/140	143/145TC
					MR200/180	182/184TC
9.69	2,138	6.314	529	C302_0063	MR200/180	182/184TC
					MR250/210	213/215TC
<b>265 RPM Output (Approximate)</b>						
21.48	4,895	6.518	1,515	C612_0065	MR200/180	182/184TC
37.98*	8,656	6.518	1,515	C612_0065	MR250/210	213/215TC
39.69*	9,045	6.518	1,515	C612_0065	MR300/250	254/256TC
					MR300/280	284/286TC
73.72*	17,193	6.670	2,862	C812_0067	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
105.09*	24,508	6.670	2,862	C812_0067	MR350/320	324/326TC
					MR350/360	364/365TC

**C Series: INLINE — Solid Shaft Output**

\* Thermal HP Limit

Base Module Size	C0	C1	C2	C3	C4	C5	C6	C7	C8	C9
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

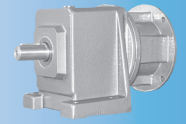
# C Series: INLINE — Solid Shaft Output

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft <sup>1)</sup> (lbs.)	Part Number Codes (in blue)		
Input HP	Output Torque (in. lbs.)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>245 RPM Output (Approximate)</b>						
24.58	6,110	7.111	1,559	<b>C612_0071</b>	<b>MR200/180</b>	182/184TC
24.58	6,321	7.357	2,169	<b>C712_0074</b>	<b>MR200/180</b>	182/184TC
37.45*	9,311	7.111	1,559	<b>C612_0071</b>	<b>MR300/250</b>	254/256TC
					<b>MR300/280</b>	284/286TC
39.32	10,114	7.357	2,169	<b>C712_0074</b>	<b>MR250/180</b>	182/184TC
					<b>MR250/210</b>	213/215TC
60.59*	15,587	7.357	2,169	<b>C712_0074</b>	<b>MR300/250</b>	254/256TC
					<b>MR300/280</b>	284/286TC
<b>225 RPM Output (Approximate)</b>						
1.70	457	7.714	190	<b>C002_0077</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
3.37	918	7.796	342	<b>C102_0078</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
4.03	1,100	7.800	422	<b>C202_0078</b>	<b>MR200/180</b>	182/184TC
					<b>MR160/050</b>	56C
4.65	1,274	7.841	569	<b>C302_0078</b>	<b>MR160/140</b>	143/145TC
					<b>MR160/050</b>	56C
5.11	1,396	7.816	976	<b>C402_0078</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
5.14	1,402	7.800	422	<b>C202_0078</b>	<b>MR200/180</b>	182/184TC
5.97	1,621	7.763	1,104	<b>C502_0078</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
8.08	2,216	7.841	569	<b>C302_0078</b>	<b>MR200/180</b>	182/184TC
8.38	2,299	7.841	569	<b>C302_0078</b>	<b>MR250/210</b>	213/215TC
8.95	2,446	7.816	976	<b>C402_0078</b>	<b>MR200/180</b>	182/184TC
10.48	2,846	7.763	1,104	<b>C502_0078</b>	<b>MR200/180</b>	182/184TC
12.22	3,340	7.816	976	<b>C402_0078</b>	<b>MR160/050</b>	56C
					<b>MR160/140</b>	143/145TC
18.30	4,966	7.763	1,104	<b>C502_0078</b>	<b>MR250/210</b>	213/215TC
19.03	5,165	7.763	1,104	<b>C502_0078</b>	<b>MR300/210</b>	213/215TC
					<b>MR300/250</b>	254/256TC

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	250	280	320	360
C-Frame	56C	143/145TC	182/184TC	213/215TC	254/256TC	284/286TC	324/326TC	364/365TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10	15, 20	25, 30	40, 50	60, 75



# Selection Data

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft <sup>1)</sup> (lbs.)	Part Number Codes (in blue)		
Input HP	Output Torque (in. lbs.)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>210 RPM Output (Approximate)</b>						
1.85	531	8.235	194	C002_0082	MR160/050	56C
					MR160/140	143/145TC
3.68	1,063	8.263	348	C102_0083	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
6.19	1,772	8.190	429	C202_0082	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
8.73	2,518	8.250	579	C302_0083	MR160/050	56C
					MR160/140	143/145TC
9.78	2,822	8.250	579	C302_0083	MR200/180	182/184TC
					MR250/210	213/215TC
16.37*	4,742	8.285	995	C402_0083	MR200/180	182/184TC
					MR250/210	213/215TC
18.92	5,418	8.190	1,635	C612_0082	MR200/180	182/184TC
19.60	5,661	8.263	1,127	C502_0083	MR200/180	182/184TC
24.53*	7,086	8.263	1,127		MR250/210	213/215TC
					MR300/250	254/256TC
33.39*	9,560	8.190	1,635	C612_0082	MR250/210	213/215TC
34.08*	9,760	8.190	1,635		MR300/250	254/256TC
				C612_0082	MR300/280	284/286TC
105.20*	30,486	8.288	3,795	C912_0083	MR350/320	324/326TC
					MR350/360	364/365TC
<b>205 RPM Output (Approximate)</b>						
22.11	6,564	8.490	2,275	C712_0085	MR200/180	182/184TC
39.12	11,612	8.490	2,275		MR250/210	213/215TC
55.08*	16,349	8.490	2,275	C712_0085	MR300/250	254/256TC
					MR300/280	284/286TC
<b>195 RPM Output (Approximate)</b>						
21.48	6,848	9.118	1,694	C612_0091	MR200/180	182/184TC
					MR250/210	213/215TC
31.73*	10,115	9.118	1,694	C612_0091	MR300/250	254/256TC
					MR300/280	284/286TC
73.72*	23,310	9.043	3,168	C812_0090	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
85.79*	27,125	9.043	3,168	C812_0090	MR350/320	324/326TC

C Series: INLINE — Solid Shaft Output

\* Thermal HP Limit

Base Module Size	C0	C1	C2	C3	C4	C5	C6	C7	C8	C9
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

# C Series: INLINE — Solid Shaft Output

1750 RPM Input		Nominal Ratio	Overhung Load Output Shaft <sup>1)</sup> (lbs.)	Part Number Codes (in blue)		
Input HP	Output Torque (in. lbs.)			Base Module	Motor Adapter/ NEMA Motor	Compatible NEMA C-Frame <sup>2)</sup> with Designated Motor Adapter
<b>190 RPM Output (Approximate)</b>						
1.65	531	9.228	202	C002_0092	MR160/050	56C
					MR160/140	143/145TC
3.26	1,063	9.326	363	C102_0093	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.40	1,772	9.387	449	C202_0094	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
8.73	2,841	9.310	602	C302_0093	MR160/050	56C
					MR160/140	143/145TC
9.03	2,938	9.310	602	C302_0093	MR200/180	182/184TC
					MR250/210	213/215TC
15.05*	4,872	9.261	1,032	C402_0093	MR200/180	182/184TC
					MR250/210	213/215TC
19.60	6,345	9.261	1,171	C502_0093	MR200/180	182/184TC
21.89*	7,086	9.261	1,171	C502_0093	MR250/210	213/215TC
					MR300/250	254/256TC
<b>175 RPM Output (Approximate)</b>						
15.67	5,538	10.111	1,753	C612_0100	MR200/180	182/184TC
19.85	6,879	9.912	2,395	C712_0099	MR200/180	182/184TC
27.75	9,810	10.111	1,753	C612_0100	MR250/210	213/215TC
29.62*	10,470	10.111	1,753	C612_0100	MR300/250	254/256TC
					MR300/280	284/286TC
35.15	12,183	9.912	2,395	C712_0099	MR250/210	213/215TC
49.68*	17,215	9.912	2,395	C712_0099	MR300/250	254/256TC
					MR300/280	284/286TC
73.72*	26,166	10.151	3,292	C812_0100	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
79.43*	28,190	10.151	3,292	C812_0100	MR350/320	324/326TC
					MR350/360	364/365TC

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	250	280	320	360
C-Frame	56C	143/145TC	182/184TC	213/215TC	254/256TC	284/286TC	324/326TC	364/365TC
HP	1/4 to 1-1/2	1, 1-1/2, 2	3, 5	7-1/2, 10	15, 20	25, 30	40, 50	60, 75