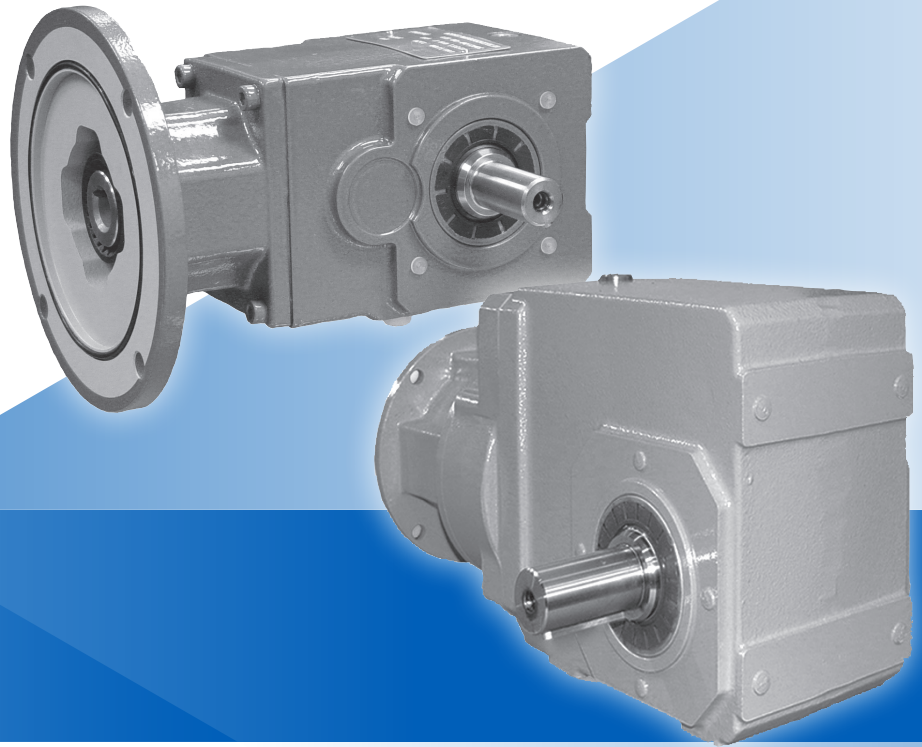


K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

K/KL Series Features

- Input rating up to: 2 HP (KL); 105 HP (K)
- Ratio options: 4:1 – 32:1 (KL); 4:1 – 373.7:1 (K)
- Output Torque capability up to: 443 lb-in (KL); 92,250 lb-in (K)
- NEMA input capabilities: 56C (KL); 56C, 143/145TC, 182/184TC, 213/215TC, 254/256TC, 284/286TC, 324/326TC, 364/365TC (K)
- Output bore diameters: 3/4" (KL); 1" – 4" (K)
- Housing style options: flange, feet, or tapped holes (K/KL); torque arm bracket (K and KL2 only)

The K/KL Series offer higher input-to-output efficiencies than conventional worm gear drives, reducing costs with smaller sized gear drives and motors, and optimum energy savings.



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

K/KL 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
- 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 - mounting gear reducer from either machine side means less storeroom stock
- Durability - IP69K Certified to prevent water and dust ingress
- Assembled in USA
- Combine units to achieve slower speeds to meet your application needs (K Series)

K/KL 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

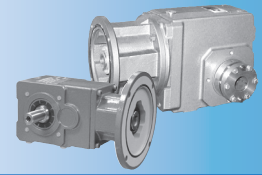
"B" Option for Corrosion Resistant Applications

- 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 K/KL Design Options Available:

- Plated or stainless steel hardware
- IP69K certified to prevent water and dust ingress (see page 6 for full details)





Overview

K/KL Ordering Options At-a-Glance

K and KL 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 KL Series	KL	2	0	2	A	F	0040	ML2R/	050		
Standard duty K Series	K	2	0	2	A	F	0040	MR140/	050		EL1256
Food duty K Series	K	2	0	2	A	F	0040	MR140/	050	F	EL1256

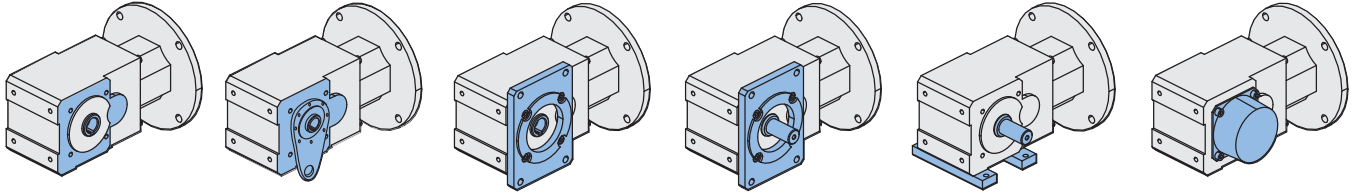
Design Option	Part Number Code	Description
1 Series	K KL	Modular right angle helical/bevel Compact right angle helical/bevel
2 Size	2	K Series: 10 sizes of speed reducers (1 thru 10); KL Series: size 2 only
3 Generation	0	0 for sizes K1 thru K4; 1 for sizes K5 thru K10; 0 for KL
4 # of Stages	2	Two, three or four stage (determined by ratio)
5 Output*	A P V W	Hollow bore output (K Series, see page 36); KL Series $\varnothing 20$ mm* Solid shaft output with key (KL only), $\varnothing 0.75''$ or 20 mm (specify side 3, 4 or double sided)* Solid shaft output with key (K only, see page 36), (specify side 3, 4, or double sided) K Series: Single or double wobble-free bushing (specify side 3 or 4 for single bushing) KL Series: Double wobble-free bushing ($\varnothing 0.75''$)
6 Housing	F G GD NG	Output flange mount (specify side 3 or 4) Note: square flange for KL; round flange for K Pilot Circle Diameter (PCD) tapped holes Torque arm bracket mounting for KL2 or K Series (specify side 1 or 5; or 2 on K1 only) Foot mounting (specify side 1 or 5; or side 2 on K1 only)
7 Ratio	0040	Ratios range from 4:1 to 373.7:1 (K Series) or 4:1 to 32:1 (KL Series) 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 MR350 ML2R	K Series: Round motor adapter sizes (refer to Selection Data tables) KL Series: Round motor adapter
9 NEMA Frame Size (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
0 Food & Corrosion Resistant Option	F B	Food duty service Corrosion resistant duty service
I Mounting Position** <i>Refer to page 37 illustrations</i>	EL1 EL2 EL3 EL4 EL5 EL6 EL1256	K Series: Mounting position codes required for 3 year warranty; KL Series: Mounting position is unrestricted, no code required

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

* Standard KL Series Hollow Bore and Solid Shaft options are carbon steel; contact factory for stainless steel option. Double solid shaft is only available in metric.
** Mounting position is added to "notes" section of order.

K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

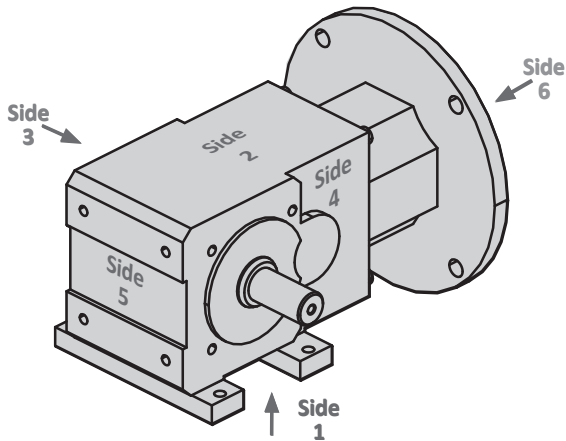
KL Output and Housing Configurations



See Page	page 67	page 69	page 67	page 68	page 68	page 69
Output	A Hollow Bore	A Hollow Bore	A Hollow Bore	P Solid Shaft	P Solid Shaft	W Double Bushing
Housing	G Tapped Holes	GD Torque Arm Bracket	F Flange Mount	F Flange Mount	NG Foot Mount	G Tapped Holes

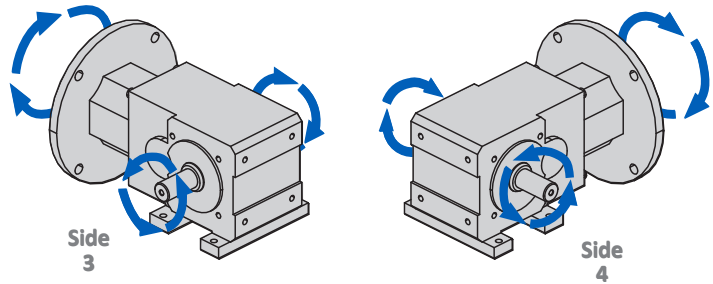
KL Series Orientation

Unrestricted mounting position



KL Series Direction of Rotation

Output available on side 3, 4 or both. Note: With a double output, the shaft rotation of Side 3 will be the OPPOSITE direction of Side 4 when viewed from Side 5.



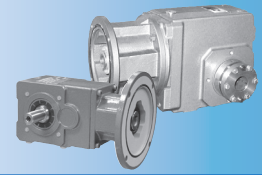
KL Series Output Options

BLUE: standard output diameters in stock

BLACK: optional diameters in stock

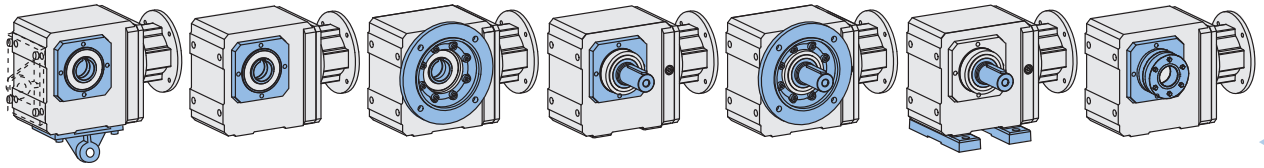
Other options are available upon request. Please contact STÖBER to learn about other options and their deliveries.

KL Series			KL2		
"P" Solid Shaft*	Carbon Steel	Inches	3/4	Metric	20
	Stainless Steel	Inches	3/4	Metric	20
*Double shaft configuration available in metric only					
"A" Hollow Bore	Carbon Steel	Inches	3/4	Metric	20
	Stainless Steel	Inches	3/4		—
"WFB" Wobble Free Double Bushing	Stainless Steel	Inches	3/4		—



Overview

K Output and Housing Configurations



See Page	page 70	page 72	page 74	page 76	page 78	page 80	page 82 & page 84
Output	A Hollow Bore	A Hollow Bore	A Hollow Bore	V Solid Shaft	V Solid Shaft	V Solid Shaft	W Wobble Free Bushing Single or Double
Housing	GD Torque Arm Bracket	G Tapped Holes	F Flange Mount	G Tapped Holes	F Flange Mount	NG Foot Mount	G Tapped Holes

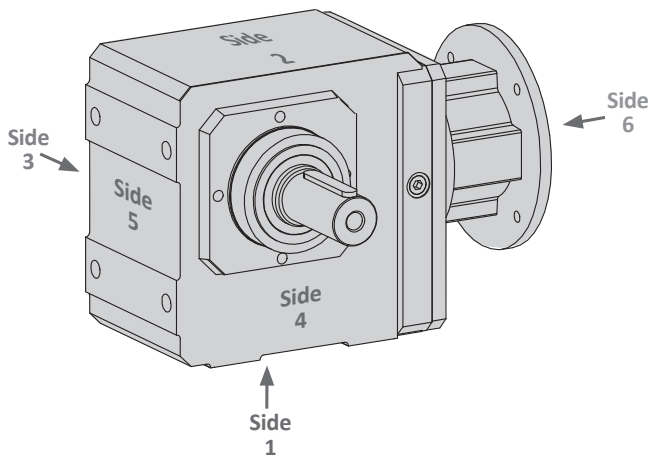
Availability*

Standard Duty	K1-K10	K1-K10	K1-K10	K1-K10	K1-K10	K1-K10	K1-K8
Food & Corrosion Resistant Duty**	K1-K9	K1-K9	K1-K9	K1-K9	K1-K9	K1-K9	K1-K8

* See Output Options Chart page 36 for standard and optional solid shaft, hollow bore and wobble free bushing options.

** On K5 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.

K Series Orientation



K Series Direction of Rotation

Output available on side 3, 4 or both. Note: With a double output, the shaft rotation of Side 3 will be the OPPOSITE direction of Side 4 when viewed from Side 5.

2 Stage

K102
K202
K302
K402

3 Stage

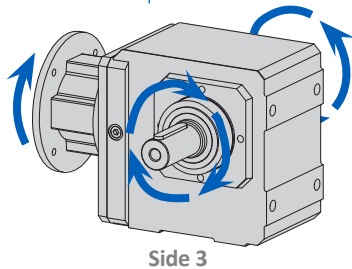
K513 K813
K613 K913
K713 K1013

3 Stage

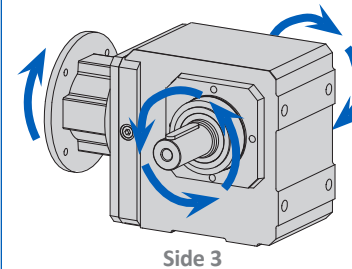
K203
K303
K403

4 Stage

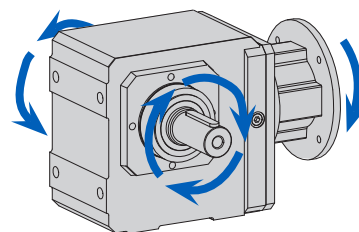
K514 K814
K614 K914
K714 K1014



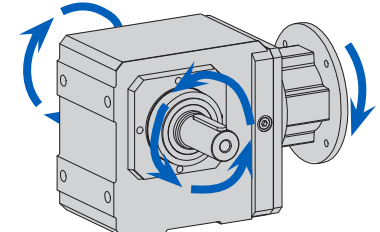
Side 3



Side 3



Side 4



Side 4

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

K Series Output Options

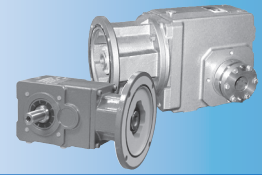
BLUE: standard output diameters in stock

BLACK: optional diameters in stock

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

K Series			KL2	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
"V" Solid Shaft	Carbon Steel	Inches	3/4*	1	1-1/4	1-1/4	1-3/8	1-3/4	1-3/4	2-3/8	2-7/8	3-5/8	4-3/8
		Metric	20	25	30	30	40	45	50	60	70	90	110
	Stainless Steel	Inches	3/4	1	1-1/4	1-1/4	1-3/8	1-3/4	1-3/4	2-3/8	2-7/8	3-5/8	—
		Metric	20	25	—	—	—	45	—	—	—	—	—
"A" Hollow Bore	Carbon Steel	Inches	3/4	1	1-3/16	1-3/8	1-1/2	2	2	2-3/8	2-3/4	3-1/4	4
		Metric	20	25	30	35	40	50	50	60	70	90	—
	Stainless Steel	Inches	3/4	1	1-1/4	1-3/8	1-1/2	2	2	2-3/8	—	2-15/16 3	—
		Metric	—	25	30	35	40	50	—	60	—	3-7/16 75	—
"W" Wobble Free Bushing (single and Double Bushings)	Stainless Steel*	Inches	3/4	1	1 1-3/16 1-1/4	1* 1-3/16 1-1/4 1-3/8 1-7/16 1-1/2	1-1/4 1-7/16 1-1/2	1-7/16 1-1/2 1-15/16 2 2	1-7/16 1-1/2 1-15/16 2 2-3/16	1-15/16 2 2-3/8	2-3/16 2-3/8 2-7/16 2-3/4	—	—
		Metric	—	—	—	—	40	40	—	—	—	—	—

*Also available in carbon steel



Overview

K Mounting Position Options

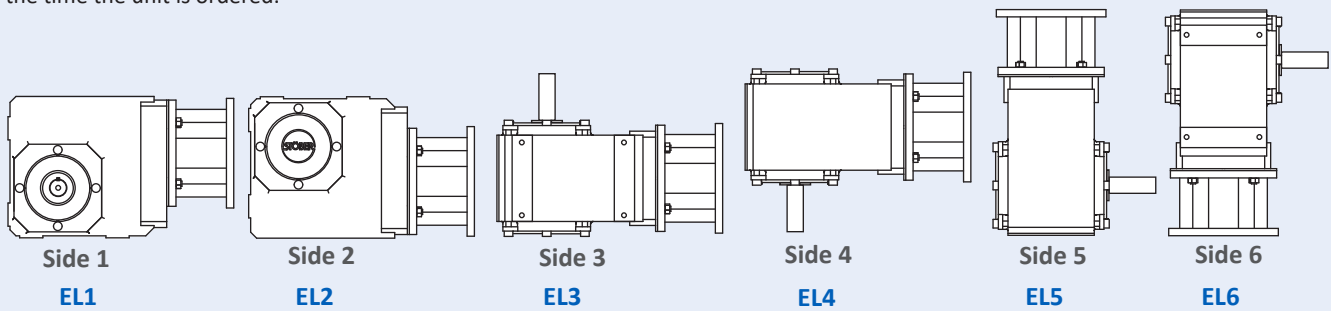
When ordering any K unit, the mounting position must be specified. Use one of the mounting position order codes illustrated below that corresponds to the intended application.

Note: All illustrations below are shown with a solid shaft output on side 4. K units can have a solid shaft, hollow or single bushing output on either Side 3 or Side 4. **The desired output side must be specified when ordering.**

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.

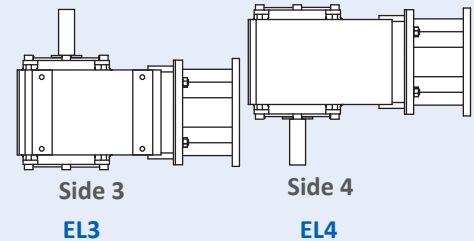
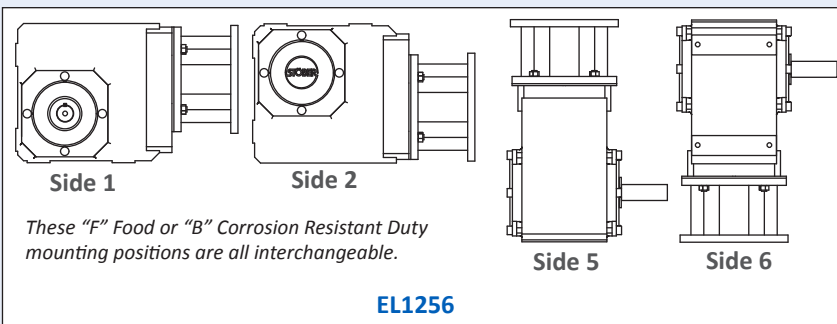
DO NOT mount standard duty reducers in a position other than the mounting position specified on the order!



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, 5 and 6) to be used interchangeably, subject to size and ratio. On K5 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.

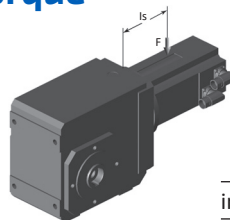
DO NOT mount horizontal Food and Corrosion Resistant Duty reducers in a vertical position, or mount vertical position reducers other than specified on the order!



K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow 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_s" of the motor.



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

M _{1K}	MR140	MR160	MR200	MR250	MR300	MR350
in.lbs	221	531	1106	2212	5310	10,620

K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

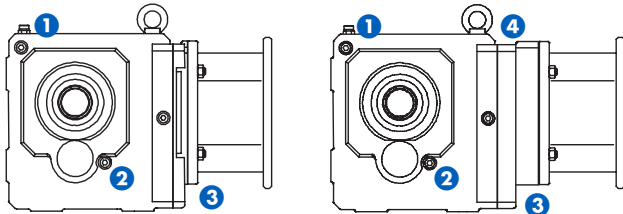
K Series Lubrication Maintenance

K102 thru K403 are supplied without breathers and are lubricated for life and maintenance free.

Breathers are provided on K513 thru K1014, located as shown*. STOBER 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.

**K513 and larger units with the Food & Corrosion Resistant option can exclude a breather. Contact STOBER for details.*



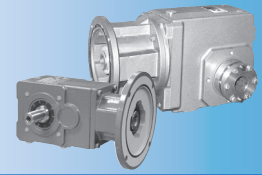
3 Stage Units
(K513 thru K1013)

4 Stage Units
(K514 thru K1014)

Drain Plug and Vent Location

Mounting Position	1	2 *	2a *	3	4
EL1	Vent			Drain	
EL2	Drain			Vent	
EL3		Vent	Drain		
EL4		Drain	Vent		
EL5	K513-K1013	Drain		Vent	
	K514-K1014	Drain			Vent
EL6	K513-K1013	Vent		Drain	
	K514-K1014	Vent			Drain

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



Overview

K/KL 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 Exact 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** and **Motor Adapter** part number code (see page 33 for complete ordering information). For K Series units, an optional input shaft, in place of the NEMA C-face motor adapter, is also available.

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
435 RPM Output (Approximate)						
2.08*	291	4.000	225	KL202_0040	ML2R050	56C
3.92*	548	4.000	402	K102_0040	MR160/050	56C
					MR160/140	143/145TC
7.00*	979	4.000	483	K202_0040	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
9.22*	1,289	4.000	563	K302_0040	MR160/050	56C
					MR160/140	143/145TC
9.22	1,289	4.000	901	K402_0040	MR160/050	56C
					MR160/140	143/145TC
12.26*	1,714	4.000	563	K302_0040	MR200/180	182/184TC
18.39*	2,572	4.000	901	K402_0040	MR200/180	182/184TC
					MR250/210	213/215TC
400 RPM Output (Approximate)						
6.60*	1,008	4.364	497	K202_0044	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
9.22*	1,406	4.364	580	K302_0044	MR160/050	56C
					MR160/140	143/145TC
9.22	1,406	4.364	928	K402_0044	MR160/050	56C
					MR160/140	143/145TC
11.57*	1,765	4.364	580	K302_0044	MR200/180	182/184TC
17.36*	2,648	4.364	928	K402_0044	MR200/180	182/184TC
					MR250/210	213/215TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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	KL2	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
HP Limit	3.017	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

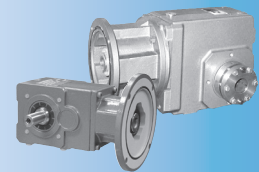
K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

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
340 RPM Output (Approximate)						
5.89*	1,067	5.177	526	K202_0052	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
325 RPM Output (Approximate)						
8.73*	1,640	5.375	621	K302_0054	MR160/050	56C
					MR160/140	143/145TC
9.22	1,747	5.422	997	K402_0054	MR160/050	56C
					MR160/140	143/145TC
10.07*	1,892	5.375	621	K302_0054	MR200/180	182/184TC
15.02*	2,847	5.422	997	K402_0054	MR200/180	182/184TC
					MR250/210	213/215TC
315 RPM Output (Approximate)						
3.14*	612	5.568	449	K102_0056	MR160/050	56C
					MR160/140	143/145TC
290 RPM Output (Approximate)						
2.99*	627	6.000	460	K102_0060	MR160/050	56C
					MR160/140	143/145TC
5.34	1,120	6.000	553	K202_0060	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
9.22*	1,933	6.000	645	K302_0060	MR160/050	56C
					MR160/140	143/145TC
9.22	1,933	6.000	1,031	K402_0060	MR160/050	56C
					MR160/140	143/145TC
9.36*	1,962	6.000	645	K302_0060	MR200/180	182/184TC
14.04*	2,945	6.000	1,031	K402_0060	MR200/180	182/184TC
					MR250/210	213/215TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
260 RPM Output (Approximate)						
2.80	649	6.644	476	K102_0066	MR160/050	56C
					MR160/140	143/145TC
4.97	1,161	6.683	573	K202_0067	MR160/050	56C
					MR160/140	143/145TC
7.92*	1,865	6.740	670	K302_0067	MR160/050	56C
					MR160/140	143/145TC
8.66*	2,040	6.740	670	K302_0067	MR200/180	182/184TC
8.73	2,050	6.719	1,071	K402_0067	MR160/050	56C
					MR160/140	143/145TC
13.02*	3,058	6.719	1,071	K402_0067	MR200/180	182/184TC
					MR250/210	213/215TC
245 RPM Output (Approximate)						
4.77	1,186	7.118	585	K202_0071	MR160/050	56C
					MR160/140	143/145TC
235 RPM Output (Approximate)						
8.14*	2,104	7.391	691	K302_0074	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
9.22	2,402	7.456	1,109	K402_0075	MR160/050	56C
					MR160/140	143/145TC
12.14	3,166	7.456	1,109	K402_0075	MR200/180	182/184TC
					MR250/210	213/215TC
21.97*	5,562	7.347	1,325	K513_0073	MR200/180	182/184TC
23.08*	5,842	7.347	1,325	K513_0073	MR250/210	213/215TC
24.58*	6,201	7.323	1,575	K613_0073	MR200/180	182/184TC
24.58	6,305	7.445	2,870	K813_0074	MR200/180	182/184TC
24.58	6,405	7.563	2,189	K713_0076	MR200/180	182/184TC
30.56*	7,712	7.323	1,575	K613_0073	MR250/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
39.32	10,087	7.445	2,870	K813_0074	MR250/210	213/215TC
39.32*	10,247	7.563	2,189	K713_0076	MR250/210	213/215TC
48.95*	12,757	7.563	2,189	K713_0076	MR300/250	254/256TC
					MR300/280	284/286TC
73.72*	18,914	7.445	2,870	K813_0074	MR300/250	254/256TC
					MR300/280	284/286TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

* Thermal HP Limit

Base Module Size	KL2	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
HP Limit	3.017	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

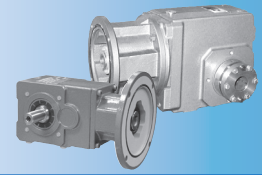
K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

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
220 RPM Output (Approximate)						
1.47*	411	8.000	284	KL202_0080	ML2R050	56C
105.20*	28,763	7.934	6,570	K913_0079	MR350/320	324/326TC
215 RPM Output (Approximate)						
21.56*	6,044	8.134	1,371	K513_0081	MR200/180	182/184TC
					MR250/210	213/215TC
24.58*	6,865	8.107	1,629	K613_0081	MR200/180	182/184TC
28.56*	7,978	8.107	1,629	K613_0081	MR250/210	213/215TC
					MR300/250	254/256TC
210 RPM Output (Approximate)						
2.41	699	8.309	513	K102_0083	MR160/050	56C
					MR160/140	143/145TC
4.27	1,253	8.397	618	K202_0084	MR160/050	56C
					MR160/140	143/145TC
6.87	2,029	8.444	722	K302_0084	MR160/050	56C
					MR160/140	143/145TC
7.45*	2,199	8.444	722	K302_0084	MR200/180	182/184TC
7.70	2,256	8.377	1,153	K402_0084	MR160/050	56C
					MR160/140	143/145TC
11.24	3,291	8.377	1,153	K402_0084	MR200/180	182/184TC
					MR250/210	213/215TC
24.58	6,980	8.243	2,969	K813_0082	MR200/180	182/184TC
39.32	11,169	8.243	2,969	K813_0082	MR250/210	213/215TC
39.32*	11,345	8.373	2,264	K713_0084	MR250/180	182/184TC
					MR250/210	213/215TC
45.74*	13,197	8.373	2,264	K713_0084	MR300/250	254/256TC
					MR300/280	284/286TC
73.72*	20,941	8.243	2,969	K813_0082	MR300/250	254/256TC
					MR300/280	284/286TC

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

190 RPM Output (Approximate)

2.24	725	9.249	532	K102_0092	MR160/050	56C
					MR160/140	143/145TC
4.02	1,292	9.190	637	K202_0092	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
7.00	2,268	9.267	745	K302_0093	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
8.73	2,819	9.238	1,191	K402_0092	MR160/050	56C
					MR160/140	143/145TC
10.53	3,400	9.238	1,191	K402_0092	MR200/180	182/184TC
					MR250/210	213/215TC
19.60*	6,190	9.168	1,427	K513_0092	MR200/180	182/184TC
19.91*	6,290	9.168	1,427	K513_0092	MR250/210	213/215TC
24.58	7,781	9.188	2,335	K713_0092	MR200/180	182/184TC
24.58	7,862	9.284	3,089	K813_0093	MR200/180	182/184TC
39.32*	12,449	9.188	2,335	K713_0092	MR250/210	213/215TC
39.32	12,579	9.284	3,089	K813_0093	MR250/210	213/215TC
42.99*	13,612	9.188	2,335	K713_0092	MR300/250	254/256TC
					MR300/280	284/286TC
73.72*	23,586	9.284	3,089	K813_0093	MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC

170 RPM Output (Approximate)

2.11	747	10.140	548	K102_0100	MR160/050	56C
					MR160/140	143/145TC
3.78	1,332	10.073	657	K202_0100	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.98	2,117	10.135	768	K302_0100	MR160/050	56C
					MR160/140	143/145TC
6.60	2,337	10.135	768	K302_0100	MR200/180	182/184TC
6.66	2,351	10.098	1,227	K402_0100	MR160/050	56C
					MR160/140	143/145TC
9.92	3,503	10.098	1,227	K402_0100	MR200/180	182/184TC
					MR250/210	213/215TC
18.60*	6,507	10.150	1,476	K513_0100	MR200/180	182/184TC
					MR250/210	213/215TC

* Thermal HP Limit

Base Module Size	KL2	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
HP Limit	3.017	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

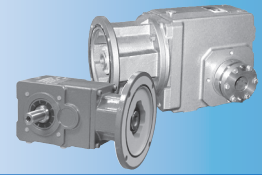
K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

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
170 RPM Output Continued						
24.58	8,614	10.172	2,416	K713_0100	MR200/180	182/184TC
24.58	8,705	10.279	3,196	K813_0105	MR200/180	182/184TC
39.32*	13,782	10.172	2,416	K713_0100	MR250/210	213/215TC
39.32	13,927	10.279	3,196	K813_0105	MR250/210	213/215TC
40.17*	14,082	10.172	2,416	K713_0100	MR300/250	254/256TC
					MR300/280	284/286TC
69.06*	24,461	10.279	3,196	K813_0105	MR300/250	254/256TC
					MR300/280	284/286TC
150 RPM Output (Approximate)						
1.93	781	11.565	573	K102_0115	MR160/050	56C
					MR160/140	143/145TC
3.45	1,394	11.546	687	K202_0115	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
6.02	2,445	11.610	803	K302_0115	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
7.70	3,102	11.518	1,282	K402_0115	MR160/050	56C
					MR160/140	143/145TC
9.09	3,660	11.518	1,282	K402_0115	MR200/180	182/184TC
					MR250/210	213/215TC
17.04*	6,791	11.569	1,542	K513_0115	MR200/180	182/184TC
17.05*	6,797	11.569	1,542	K513_0115	MR250/210	213/215TC
19.60	7,702	11.407	1,825	K613_0115	MR200/180	182/184TC
21.48	8,721	11.781	2,537	K713_0120	MR200/180	182/184TC
22.74*	8,939	11.407	1,825	K613_0115	MR250/210	213/215TC
					MR300/250	254/256TC
24.58	10,082	11.906	3,356	K813_0120	MR200/180	182/184TC
36.43*	14,788	11.781	2,537	K713_0120	MR250/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
140 RPM Output (Approximate)						
1.82	804	12.618	590	K102_0125	MR160/050	56C
					MR160/140	143/145TC
3.24	1,439	12.705	710	K202_0125	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.12	2,251	12.577	825	K302_0125	MR160/050	56C
					MR160/140	143/145TC
5.71	2,511	12.577	825	K302_0125	MR200/180	182/184TC
5.86	2,594	12.658	1,323	K402_0125	MR160/050	56C
					MR160/140	143/145TC
8.53	3,777	12.658	1,323	K402_0125	MR200/180	182/184TC
					MR250/210	213/215TC
					MR200/180	182/184TC
15.93*	7,032	12.808	1,595	K513_0130	MR250/210	213/215TC
					MR200/180	182/184TC
19.60	8,527	12.629	1,888	K613_0125	MR200/180	182/184TC
					MR250/210	213/215TC
21.25*	9,248	12.629	1,888	K613_0125	MR300/250	254/256TC
					MR300/180	182/184TC
73.72*	31,819	12.525	7,650	K913_0125	MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
105.20*	45,406	12.525	7,650	K913_0125	MR350/320	324/326TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

* Thermal HP Limit

Base Module Size	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

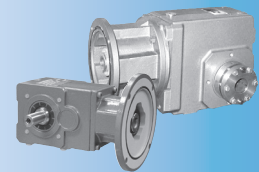
K/KL Series: RIGHT ANGLE – Solid Shaft/Hollow Output

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
125 RPM Output (Approximate)						
1.69	835	14.114	612	K102_0140	MR160/050	56C
					MR160/140	143/145TC
3.06	1,481	13.851	730	K202_0140	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.33	2,599	13.935	854	K302_0140	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
6.66	3,232	13.885	1,364	K402_0140	MR160/050	56C
					MR160/140	143/145TC
8.02	3,895	13.885	1,364	K402_0140	MR200/180	182/184TC
					MR250/210	213/215TC
21.48	9,655	13.043	2,625	K713_0130	MR200/180	182/184TC
24.58	11,163	13.182	3,472	K813_0130	MR200/180	182/184TC
34.04*	15,299	13.043	2,625	K713_0130	MR250/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
39.32	17,861	13.182	3,472	K813_0130	MR250/210	213/215TC
58.50*	26,575	13.182	3,472	K813_0130	MR300/250	254/256TC
					MR300/280	284/286TC
120 RPM Output (Approximate)						
8.46	4,235	14.536	1,664	K513_0145	MR160/050	56C
					MR160/140	143/145TC
14.64	7,335	14.536	1,664	K513_0145	MR200/180	182/184TC
					MR250/210	213/215TC
17.24	8,512	14.332	1,970	K613_0145	MR200/180	182/184TC
18.92	9,650	14.802	2,738	K713_0150	MR200/180	182/184TC
19.53	9,646	14.332	1,970	K613_0145	MR250/210	213/215TC
					MR300/250	254/256TC
22.11	11,309	14.842	3,612	K813_0150	MR200/180	182/184TC
31.29*	15,957	14.802	2,738	K713_0150	MR250/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
39.12	20,007	14.842	3,612	K813_0150	MR250/210	213/215TC
54.06*	27,647	14.842	3,612	K813_0150	MR300/250	254/256TC
					MR300/280	284/286TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
110 RPM Output (Approximate)						
0.79*	443	16.000	358	KL202_0160	ML2R050	56C
8.46	4,689	16.093	1,721	K513_0160	MR160/050	56C
					MR160/140	143/145TC
13.68	7,588	16.093	1,721	K513_0160	MR200/180	182/184TC
					MR250/210	213/215TC
17.24	9,425	15.868	2,038	K613_0160	MR200/180	182/184TC
18.25	9,979	15.868	2,038	K613_0160	MR250/210	213/215TC
					MR300/250	254/256TC
105.20*	57,555	15.876	10,190	K1013_0160	MR350/320	324/326TC
					MR350/360	364/365TC
105 RPM Output (Approximate)						
1.51	883	16.714	648	K102_0165	MR160/050	56C
					MR160/140	143/145TC
2.68	1,581	16.858	780	K202_0170	MR160/050	56C
					MR160/140	143/145TC
4.03	2,389	16.939	911	K302_0170	MR160/050	56C
					MR160/140	143/145TC
4.65	2,753	16.939	1,458	K402_0170	MR160/050	56C
					MR160/140	143/145TC
4.68	2,774	16.939	911	K302_0170	MR200/180	182/184TC
7.03	4,162	16.939	1,458	K402_0170	MR200/180	182/184TC
8.68	5,129	17.156	2,091	K613_0170	MR160/050	56C
					MR160/140	143/145TC
15.25	9,014	17.156	2,091	K613_0170	MR200/180	182/184TC
17.32	10,242	17.156	2,091	K613_0170	MR250/210	213/215TC
					MR300/250	254/256TC
18.92	10,684	16.388	2,832	K713_0165	MR200/180	182/184TC
22.11	12,521	16.432	3,737	K813_0165	MR200/180	182/184TC
29.23	16,508	16.388	2,832	K713_0165	MR250/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
39.12	22,151	16.432	3,737	K813_0165	MR250/210	213/215TC
50.51*	28,601	16.432	3,737	K813_0165	MR300/250	254/256TC
					MR300/280	284/286TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

* Thermal HP Limit

Base Module Size	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

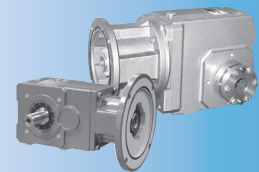
K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

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
100 RPM Output (Approximate)						
1.46	898	17.563	659	K102_0175	MR160/050	56C
					MR160/140	143/145TC
2.62	1,600	17.469	789	K202_0175	MR160/050	56C
					MR160/140	143/145TC
4.62	2,793	17.293	917	K302_0175	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
5.86	3,567	17.405	1,471	K402_0175	MR160/050	56C
					MR160/140	143/145TC
6.90	4,200	17.405	1,471	K402_0175	MR200/180	182/184TC
7.57	4,556	17.481	1,769	K513_0175	MR160/050	56C
					MR160/140	143/145TC
12.95	7,800	17.481	1,769	K513_0175	MR200/180	182/184TC
					MR250/210	213/215TC
19.85	11,851	17.327	3,803	K813_0175	MR200/180	182/184TC
35.15	20,990	17.327	3,803	K813_0175	MR250/210	213/215TC
48.76*	29,111	17.327	3,803	K813_0175	MR300/250	254/256TC
					MR300/280	284/286TC
95 RPM Output (Approximate)						
15.67	9,865	18.275	2,937	K713_0185	MR200/180	182/184TC
					MR250/210	213/215TC
27.18	17,119	18.275	2,937	K713_0185	MR300/250	254/256TC
					MR300/280	284/286TC

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

90 RPM Output (Approximate)

7.57	5,044	19.353	1,830	K513_0195	MR160/050	56C
					MR160/140	143/145TC
8.68	5,679	18.994	2,164	K613_0190	MR160/050	56C
					MR160/140	143/145TC
11.95	7,972	19.353	1,830	K513_0195	MR200/180	182/184TC
					MR250/210	213/215TC
15.25	9,980	18.994	2,164	K613_0190	MR200/180	182/184TC
					MR250/210	213/215TC
16.19	10,596	18.994	2,164	K613_0190	MR300/250	254/256TC
19.85	13,121	19.1837	3,803	K813_0175	MR200/180	182/184TC
35.15	23,238	19.183	3,934	K813_0190	MR250/210	213/215TC
					MR300/250	254/256TC
45.56*	30,115	19.183	3,934	K813_0190	MR300/280	284/286TC
73.72*	48,429	19.063	8,800	K913_0190	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
83.04*	54,548	19.063	8,800	K913_0190	MR350/320	324/326TC
					MR350/360	364/365TC

85 RPM Output (Approximate)

1.33	940	20.150	690	K102_0200	MR160/050	56C
					MR160/140	143/145TC
2.37	1,683	20.327	830	K202_0200	MR160/050	56C
					MR160/140	143/145TC
3.56	2,526	20.278	967	K302_0200	MR160/050	56C
					MR160/140	143/145TC
4.03	2,849	20.197	1,546	K402_0200	MR160/050	56C
					MR160/140	143/145TC
4.15	2,945	20.278	967	K302_0200	MR200/180	182/184TC
6.25	4,413	20.197	1,546	K402_0200	MR200/180	182/184TC
15.67	10,922	20.233	3,038	K713_0200	MR200/180	182/184TC
25.40	17,710	20.233	3,038	K713_0200	MR250/210	213/215TC
					MR300/250	254/256TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

* Thermal HP Limit

Base Module Size	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

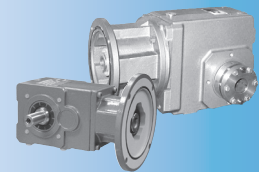
K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

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
80 RPM Output (Approximate)						
6.36	4,817	21.992	1,910	K513_0220	MR160/050	56C
					MR160/140	143/145TC
7.39	5,518	21.684	2,261	K613_0220	MR160/050	56C
					MR160/140	143/145TC
10.52	7,972	21.992	1,910	K513_0220	MR200/180	182/184TC
					MR250/210	213/215TC
12.98	9,702	21.684	2,261	K613_0220	MR200/180	182/184TC
14.82	11,074	21.684	2,261	K613_0220	MR250/210	213/215TC
75 RPM Output (Approximate)						
1.21	986	23.265	723	K102_0230	MR160/050	56C
					MR160/140	143/145TC
2.17	1,758	23.180	867	K202_0230	MR160/050	56C
					MR160/140	143/145TC
3.79	3,084	23.292	1,013	K302_0230	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
4.65	3,786	23.292	1,621	K402_0230	MR160/050	56C
					MR160/140	143/145TC
5.68	4,628	23.292	1,621	K402_0230	MR200/180	182/184TC
13.54	10,610	22.739	3,159	K713_0230	MR200/180	182/184TC
15.67	12,440	23.044	4,182	K813_0230	MR200/180	182/184TC
23.50	18,413	22.739	3,159	K713_0230	MR250/210	213/215TC
					MR300/250	254/256TC
27.75	22,036	23.044	4,182	K813_0230	MR250/210	213/215TC
40.32*	32,014	23.044	4,182	K813_0230	MR300/250	254/256TC
					MR300/280	284/286TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
73 RPM Output (Approximate)						
6.36	5,334	24.348	1,976	K513_0240	MR160/050	56C
					MR160/140	143/145TC
7.39	6,109	24.007	2,339	K613_0240	MR160/050	56C
					MR160/140	143/145TC
9.50	7,972	24.348	1,976	K513_0240	MR200/180	182/184TC
					MR250/210	213/215TC
12.98	10,741	24.007	2,339	K613_0240	MR200/180	182/184TC
13.85	11,456	24.007	2,339	K613_0240	MR250/210	213/215TC
35.15	29,004	23.943	9,495	K913_0240	MR250/180	182/184TC
					MR250/210	213/215TC
62.77*	51,785	23.943	9,495	K913_0240	MR300/250	254/256TC
					MR300/280	284/286TC
71.33*	58,854	23.943	9,495	K913_0240	MR350/320	324/326TC
97.49*	79,931	23.793	11,661	K1013_0240	MR350/320	324/326TC
					MR350/360	364/365TC

70 RPM Output (Approximate)						
0.96	851	25.220	743	K102_0250	MR160/050	56C
2.02	1,772	25.130	891	K202_0250	MR160/050	56C
					MR160/140	143/145TC
2.91	2,566	25.259	1,041	K302_0250	MR160/050	56C
					MR160/140	143/145TC
3.34	2,956	25.279	1,666	K402_0250	MR160/050	56C
					MR160/140	143/145TC
3.48	3,070	25.259	1,041	K302_0250	MR200/180	182/184TC
5.02	4,434	25.279	1,666	K402_0250	MR200/180	182/184TC
13.54	11,746	25.175	3,268	K713_0250	MR200/180	182/184TC
15.67	13,773	25.513	4,327	K813_0260	MR200/180	182/184TC
21.96	19,048	25.175	3,268	K713_0250	MR250/210	213/215TC
					MR300/250	254/256TC
27.75	24,397	25.513	4,327	K813_0260	MR250/210	213/215TC
37.67	33,118	25.513	4,327	K813_0260	MR300/250	254/256TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

* Thermal HP Limit

Base Module Size	KL2	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
HP Limit	3.017	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

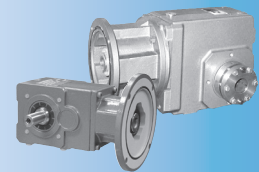
K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

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
60 RPM Output (Approximate)						
1.07	1,049	28.048	770	K102_0280	MR160/050	56C
					MR160/140	143/145TC
1.81	1,772	27.950	923	K202_0280	MR160/050	56C
					MR160/140	143/145TC
3.18	3,100	27.883	1,076	K302_0280	MR160/050	56C
					MR160/140	143/145TC
					MR200/180	182/184TC
4.03	3,917	27.771	1,719	K402_0280	MR160/050	56C
					MR160/140	143/145TC
5.02	4,872	27.771	1,719	K402_0280	MR200/180	182/184TC
5.11	5,136	29.181	2,099	K513_0290	MR160/050	56C
					MR160/140	143/145TC
5.97	5,923	28.772	2,485	K613_0290	MR160/050	56C
					MR160/140	143/145TC
7.93	7,972	29.181	2,099	K513_0290	MR200/180	182/184TC
					MR250/210	213/215TC
10.48	10,395	28.772	2,485	K613_0290	MR200/180	182/184TC
11.33	11,434	29.285	3,437	K713_0290	MR200/180	182/184TC
12.27	12,169	28.772	2,485	K613_0290	MR250/210	213/215TC
13.54	13,649	29.254	4,529	K813_0290	MR200/180	182/184TC
					MR250/210	213/215TC
19.85	20,033	29.285	3,437	K713_0290	MR300/210	213/215TC
					MR300/250	254/256TC
					MR250/210	213/215TC
23.91	24,103	29.254	4,529	K813_0290	MR250/210	213/215TC
34.39	34,664	29.254	4,529	K813_0290	MR300/250	254/256TC
					MR300/280	284/286TC

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

55 RPM Output (Approximate)

0.40*	443	32.000	450	KL202_0320	ML2R050	56C
2.76	3,100	32.649	1,134	K303_0330	MR160/050	56C
					MR160/140	143/145TC
3.34	3,733	32.390	1,809	K403_0320	MR160/050	56C
					MR160/140	143/145TC
5.11	5,687	32.308	2,171	K513_0320	MR160/050	56C
					MR160/140	143/145TC
5.97	6,557	31.855	2,571	K613_0320	MR160/050	56C
					MR160/140	143/145TC
7.16	7,972	32.308	2,171	K513_0320	MR200/180	182/184TC
10.48	11,508	31.855	2,571	K613_0320	MR200/180	182/184TC
11.33	12,659	32.423	3,555	K713_0320	MR200/180	182/184TC
11.47	12,589	31.855	2,571	K613_0320	MR250/210	213/215TC
13.54	15,112	32.389	4,685	K813_0320	MR200/180	182/184TC
18.55	20,724	32.423	3,555	K713_0320	MR250/210	213/215TC
					MR300/250	254/256TC
23.91	26,686	32.389	4,685	K813_0320	MR250/210	213/215TC
27.75	30,711	32.116	10,471	K913_0320	MR250/180	182/184TC
					MR250/210	213/215TC
32.13	35,860	32.389	4,685	K813_0320	MR300/250	254/256TC
					MR300/280	284/286TC
49.56	54,851	32.116	10,471	K913_0320	MR300/250	254/256TC
					MR300/280	284/286TC
56.03*	62,006	32.116	10,471	K913_0320	MR350/320	364/365TC
58.79	63,887	31.535	12,810	K1013_0320	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
78.29*	85,073	31.535	12,810	K1013_0320	MR350/320	324/326TC
					MR350/360	364/365TC

52 RPM Output (Approximate)

0.55	647	33.707	819	K102_0340	MR140/050	56C
1.16	1,364	33.618	981	K202_0340	MR160/050	56C
					MR160/140	143/145TC
1.89	2,217	33.618	1,145	K302_0340	MR160/050	56C
					MR160/140	143/145TC
2.62	3,084	33.678	1,833	K402_0340	MR160/050	56C
					MR160/140	143/145TC

* Thermal HP Limit

Base Module Size	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

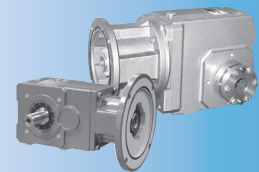
K/KL Series: RIGHT ANGLE – Solid Shaft/Hollow Output

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	35.105	830	K102_0350	MR160/050	56C
1.47	1,772	34.554	990	K202_0350	MR160/050	56C
					MR160/140	143/145TC
2.51	3,100	35.833	1,170	K303_0360	MR160/050	56C
					MR160/140	143/145TC
2.55	3,100	34.731	1,157	K302_0350	MR160/050	56C
					MR160/140	143/145TC
3.34	4,065	34.758	1,852	K402_0350	MR160/050	56C
					MR160/140	143/145TC
3.34	4,117	35.721	1,869	K403_0360	MR160/050	56C
					MR160/140	143/145TC
4.01	4,872	34.758	1,852	K402_0350	MR200/180	182/184TC
4.50	5,402	34.800	2,226	K513_0350	MR160/050	56C
					MR160/140	143/145TC
5.11	6,092	34.610	2,643	K613_0350	MR160/050	56C
					MR160/140	143/145TC
6.65	7,972	34.800	2,226	K513_0350	MR200/180	182/184TC
8.95	10,673	34.610	2,643	K613_0350	MR200/180	182/184TC
9.98	12,191	35.438	3,662	K713_0350	MR200/180	182/184TC
10.77	12,844	34.610	2,643	K613_0350	MR250/210	213/215TC
11.33	14,109	36.138	4,859	K813_0360	MR200/180	182/184TC
17.41	21,259	35.438	3,662	K713_0350	MR250/210	213/215TC
					MR300/250	254/256TC
19.95	24,839	36.138	4,859	K813_0360	MR250/210	213/215TC
29.87	37,194	36.138	4,859	K813_0360	MR300/250	254/256TC
					MR300/280	284/286TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
45 RPM Output (Approximate)						
1.30	1,772	39.454	1,035	K203_0390	MR140/050	56C
2.30	3,100	39.187	1,205	K303_0390	MR160/050	56C
					MR160/140	143/145TC
3.34	4,500	39.047	1,926	K403_0390	MR160/050	56C
					MR160/140	143/145TC
4.50	5,981	38.529	2,302	K513_0390	MR160/050	56C
					MR160/140	143/145TC
5.11	6,745	38.319	2,734	K613_0380	MR160/050	56C
					MR160/140	143/145TC
6.01	7,972	38.529	2,302	K513_0390	MR200/180	182/184TC
8.95	11,817	38.319	2,734	K613_0380	MR200/180	182/184TC
9.73	12,844	38.319	2,734	K613_0380	MR250/210	213/215TC
9.98	13,497	39.234	3,789	K713_0390	MR200/180	182/184TC
					MR250/210	213/215TC
15.73	21,259	39.234	3,789	K713_0390	MR300/250	254/256TC
					MR250/180	182/184TC
24.72	32,411	38.042	11,079	K913_0380	MR250/210	213/215TC
					MR300/250	254/256TC
43.99	57,666	38.042	11,079	K913_0380	MR300/280	284/286TC
					MR350/320	324/326TC
47.30	62,006	38.042	11,079	K913_0380	MR300/180	182/184TC
					MR300/210	213/215TC
50.44	67,096	38.601	13,703	K1013_0390	MR300/250	254/256TC
					MR300/280	284/286TC
					MR350/320	324/326TC
67.07*	89,219	38.601	13,703	K1013_0390	MR350/360	364/365TC

43 RPM Output (Approximate)

0.38	541	40.300	869	K102_0400	MR140/050	56C
0.72	1,023	40.394	1,043	K202_0400	MR140/050	56C
1.20	1,705	40.512	1,218	K302_0410	MR160/050	56C
					MR160/140	143/145TC
1.93	2,729	40.512	1,950	K402_0410	MR160/050	56C
					MR160/140	143/145TC
11.33	15,621	40.009	5,027	K813_0400	MR200/180	182/184TC
19.95	27,499	40.009	5,027	K813_0400	MR250/210	213/215TC
26.99	37,204	40.009	5,027	K813_0400	MR300/250	254/256TC
					MR300/280	284/286TC

* Thermal HP Limit

Base Module Size	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10
HP Limit	2.95	5.36	7.38	12.34	14.75	20.12	29.50	40.23	53.63	67.05

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

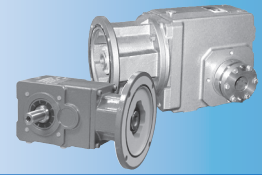
K/KL Series: RIGHT ANGLE – Solid Shaft/Hollow Output

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
40 RPM Output (Approximate)						
0.55	900	46.918	914	K102_0470	MR140/050	56C
1.10	1,772	46.225	1,091	K202_0460	MR160/050	56C
					MR160/140	143/145TC
1.14	1,772	45.223	1,083	K203_0450	MR140/050	56C
1.89	3,048	46.225	1,273	K302_0460	MR160/050	56C
					MR160/140	143/145TC
2.01	3,100	44.892	1,261	K303_0450	MR160/050	56C
					MR160/140	143/145TC
2.62	4,240	46.308	2,038	K402_0460	MR160/050	56C
					MR160/140	143/145TC
3.17	4,872	44.536	2,012	K403_0450	MR160/050	56C
					MR160/140	143/145TC
3.74	5,603	43.500	2,397	K513_0440	MR160/050	56C
					MR160/140	143/145TC
4.22	6,261	43.111	2,843	K613_0430	MR160/050	56C
					MR160/140	143/145TC
5.32	7,972	43.500	2,397	K513_0440	MR200/180	182/184TC
7.38	10,965	43.111	2,843	K613_0430	MR200/180	182/184TC
8.00	12,417	45.054	3,967	K713_0450	MR200/180	182/184TC
8.65	12,844	43.111	2,843	K613_0430	MR250/180	182/184TC
					MR250/210	213/215TC
9.98	15,222	44.250	5,199	K813_0440	MR200/180	182/184TC
13.69	21,259	45.054	3,967	K713_0450	MR250/180	182/184TC
					MR250/210	213/215TC
17.49	26,663	44.250	5,199	K813_0440	MR250/210	213/215TC
24.40	37,204	44.250	5,199	K813_0440	MR300/210	213/215TC
					MR300/250	254/256TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
35 RPM Output (Approximate)						
0.25	442	50.310	935	K102_0500	MR140/050	56C
0.48	853	50.492	1,124	K202_0500	MR140/050	56C
0.77	1,364	50.492	1,311	K302_0500	MR140/050	56C
1.03	1,772	49.759	1,118	K203_0500	MR140/050	56C
1.35	2,387	50.427	2,097	K402_0500	MR160/050	56C
					MR160/140	143/145TC
1.85	3,100	48.631	1,295	K303_0491	MR160/050	56C
					MR160/140	143/145TC
2.89	4,872	48.944	2,076	K403_0490	MR160/050	56C
					MR160/140	143/145TC
3.74	6,203	48.161	2,480	K513_0480	MR160/050	56C
					MR160/140	143/145TC
4.22	6,932	47.730	2,941	K613_0480	MR160/050	56C
					MR160/140	143/145TC
4.80	7,972	48.161	2,480	K513_0480	MR200/180	182/184TC
7.38	12,140	47.730	2,941	K613_0480	MR200/180	182/184TC
7.81	12,844	47.730	2,941	K613_0480	MR250/180	182/184TC
8.00	13,747	49.881	4,104	K713_0500	MR200/180	182/184TC
9.98	16,853	48.991	5,378	K813_0490	MR200/180	182/184TC
12.37	21,259	49.881	4,104	K713_0500	MR250/180	182/184TC
					MR250/210	213/215TC
17.49	29,520	48.991	5,378	K813_0490	MR250/210	213/215TC
19.95	33,636	48.937	12,050	K913_0490	MR250/180	182/184TC
					MR250/210	213/215TC
22.04	37,204	48.991	5,378	K813_0490	MR300/210	213/215TC
					MR300/250	254/256TC
35.44	59,756	48.937	12,050	K913_0490	MR300/250	254/256TC
					MR300/280	284/286TC
					MR300/180	182/184TC
41.49	69,403	48.543	14,790	K1013_0490	MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
55.15	92,250	48.543	14,790	K1013_0490	MR350/320	324/326TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

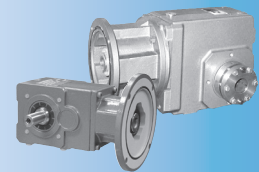
K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

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
30 RPM Output (Approximate)						
0.38	753	56.095	970	K102_0560	MR140/050	56C
0.72	1,407	55.542	1,160	K202_0560	MR140/050	56C
0.95	1,772	54.250	1,151	K203_0540	MR140/050	56C
1.20	2,345	55.705	1,355	K302_0560	MR160/050	56C
					MR160/140	143/145TC
1.67	3,100	53.883	1,340	K303_0540	MR160/050	56C
					MR160/140	143/145TC
1.93	3,752	55.705	2,168	K402_0560	MR160/050	56C
					MR160/140	143/145TC
2.63	4,872	53.690	2,141	K403_0540	MR160/050	56C
					MR160/140	143/145TC
2.84	5,699	58.297	2,643	K513_0580	MR160/050	56C
					MR160/140	143/145TC
3.36	6,658	57.545	3,131	K613_0580	MR160/050	56C
					MR160/140	143/145TC
3.97	7,972	58.297	2,643	K513_0580	MR200/180	182/184TC
5.87	11,633	57.545	3,131	K613_0580	MR200/180	182/184TC
6.42	12,949	58.570	4,330	K713_0590	MR200/180	182/184TC
6.48	12,844	57.545	3,131	K613_0580	MR250/180	182/184TC
7.37	15,014	59.082	5,724	K813_0590	MR200/180	182/184TC
					MR250/180	182/184TC
10.53	21,259	58.570	4,330	K713_0590	MR250/180	182/184TC
					MR250/210	213/215TC
13.00	26,457	59.082	5,724	K813_0590	MR250/180	182/184TC
					MR250/210	213/215TC
18.27	37,204	59.082	5,724	K813_0590	MR300/210	213/215TC
					MR300/250	254/256TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
27 RPM Output (Approximate)						
0.78	1,772	66.027	1,229	K203_0660	MR140/050	56C
1.35	3,100	66.868	1,440	K303_0670	MR160/050	56C
					MR160/140	143/145TC
1.37	3,100	65.499	1,430	K303_0650	MR160/050	56C
					MR160/140	143/145TC
2.10	4,872	67.298	2,309	K403_0670	MR160/050	56C
					MR160/140	143/145TC
2.16	4,872	65.499	2,288	K403_0650	MR160/050	56C
					MR160/140	143/145TC
2.84	6,310	64.544	2,734	K513_0650	MR160/050	56C
					MR160/140	143/145TC
3.36	7,371	63.710	3,239	K613_0640	MR160/050	56C
					MR160/140	143/145TC
3.58	7,972	64.544	2,734	K513_0650	MR200/180	182/184TC
5.85	12,844	63.710	3,239	K613_0640	MR200/180	182/184TC
6.42	14,337	64.846	4,480	K713_0650	MR200/180	182/184TC
7.37	16,622	65.412	5,922	K813_0650	MR200/180	182/184TC
9.51	21,259	64.846	4,480	K713_0650	MR250/180	182/184TC
					MR250/210	213/215TC
13.00	29,292	65.412	5,922	K813_0650	MR250/180	182/184TC
					MR250/210	213/215TC
15.22	34,499	66.833	5,965	K814_0670	MR250/180	182/184TC
					MR250/210	213/215TC
15.85	34,454	63.071	13,113	K913_0630	MR250/180	182/184TC
					MR250/210	213/215TC
16.51	37,204	65.412	5,922	K813_0650	MR300/210	213/215TC
					MR300/250	254/256TC
28.20	61,289	63.071	13,113	K913_0630	MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC
34.03	72,176	61.553	16,009	K1013_0620	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

K/KL Series: RIGHT ANGLE — 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
25 RPM Output (Approximate)						
0.25	616	70.029	1,045	K102_0700	MR140/050	56C
0.48	1,172	69.427	1,250	K202_0690	MR140/050	56C
0.77	1,876	69.427	1,458	K302_0690	MR140/050	56C
1.35	3,283	69.338	2,332	K402_0690	MR160/050	56C
					MR160/140	143/145TC
2.43	5,877	70.083	2,810	K513_0700	MR160/050	56C
					MR160/140	143/145TC
2.84	6,723	68.772	3,322	K613_0690	MR160/050	56C
					MR160/140	143/145TC
4.91	11,639	68.772	3,322	K613_0690	MR200/180	182/184TC
5.47	13,414	71.203	4,621	K713_0710	MR200/180	182/184TC
6.42	15,852	71.701	6,106	K813_0720	MR200/180	182/184TC
7.84	19,244	71.203	4,621	K713_0710	MR250/180	182/184TC
11.26	27,814	71.701	6,106	K813_0720	MR250/210	213/215TC
12.93	31,935	71.701	6,106	K813_0720	MR300/210	213/215TC

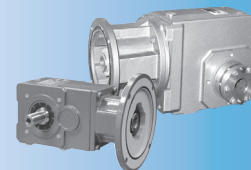
23 RPM Output (Approximate)

2.84	7,443	76.140	3,437	K613_0760	MR160/050	56C
					MR160/140	143/145TC
4.90	12,844	76.140	3,437	K613_0760	MR200/180	182/184TC
14.04	36,283	75.004	13,893	K913_0750	MR250/180	182/184TC
					MR250/210	213/215TC
14.82	37,204	73.993	6,170	K814_0740	MR250/180	182/184TC
					MR250/210	213/215TC
23.56	60,903	75.004	13,893	K913_0750	MR300/210	213/215TC
					MR300/250	254/256TC
28.20	73,149	75.276	17,119	K1013_0750	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC
					MR300/280	284/286TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
22 RPM Output (Approximate)						
0.65	1,772	79.615	1,308	K203_0800	MR140/050	56C
1.15	3,100	78.410	1,518	K303_0780	MR160/050	56C
					MR160/140	143/145TC
1.81	4,872	78.095	2,426	K403_0780	MR160/050	56C
					MR160/140	143/145TC
2.43	6,506	77.592	2,907	K513_0780	MR160/050	56C
					MR160/140	143/145TC
5.47	14,851	78.832	4,781	K713_0790	MR200/180	182/184TC
6.42	17,551	79.384	6,317	K813_0790	MR200/180	182/184TC
7.83	21,259	78.832	4,781	K713_0790	MR250/180	182/184TC
11.26	30,795	79.384	6,317	K813_0790	MR250/180	182/184TC
					MR250/210	213/215TC
12.93	35,365	79.384	6,317	K813_0790	MR300/210	213/215TC
20 RPM Output (Approximate)						
1.98	5,965	87.290	3,024	K513_0870	MR160/050	56C
					MR160/140	143/145TC
2.32	6,875	86.178	3,582	K613_0860	MR160/050	56C
					MR160/140	143/145TC
2.76	7,972	85.034	2,998	K514_0850	MR160/050	56C
					MR160/140	143/145TC
4.44	13,607	89.004	4,950	K713_0890	MR200/180	182/184TC
4.83	14,803	89.004	4,950	K713_0890	MR250/180	182/184TC
5.47	16,533	87.763	6,525	K813_0880	MR200/180	182/184TC
6.54	19,755	89.061	4,950	K714_0890	MR200/180	182/184TC
7.68	23,220	87.763	6,525	K813_0880	MR250/180	182/184TC
12.34	37,204	88.885	6,525	K814_0890	MR250/180	182/184TC
					MR250/210	213/215TC
19 RPM Output (Approximate)						
0.57	1,772	90.787	1,350	K203_0910	MR140/050	56C
1.00	3,100	90.061	1,575	K303_0900	MR160/050	56C
1.57	4,872	90.061	2,520	K403_0900	MR160/050	56C
					MR160/140	143/145TC
2.50	7,972	94.145	3,026	K514_0940	MR160/050	56C
					MR160/140	143/145TC
6.54	20,801	93.777	14,625	K914_0940	MR200/180	182/184TC
15.22	47,672	92.352	14,625	K914_0920	MR250/180	182/184TC
					MR250/210	213/215TC
20.18	65,598	94.329	18,000	K1013_0940	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

K/KL Series: RIGHT ANGLE — 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
18 RPM Output (Approximate)						
1.98	6,604	96.643	3,026	K513_0970	MR160/050	56C
					MR160/140	143/145TC
2.32	7,612	95.412	3,600	K613_0950	MR160/050	56C
					MR160/140	143/145TC
4.44	15,065	98.540	4,950	K713_0990	MR200/180	182/184TC
4.83	16,394	98.540	4,950	K713_0990	MR250/180	182/184TC
5.47	18,305	97.166	6,525	K813_0970	MR200/180	182/184TC
6.36	21,259	98.604	4,950	K714_0990	MR200/180	182/184TC
7.68	25,708	97.166	6,525	K813_0970	MR250/180	182/184TC
11.15	37,204	98.408	6,525	K814_0980	MR250/180	182/184TC
					MR250/210	213/215TC
11.26	37,012	95.412	14,625	K913_0950	MR250/180	182/184TC
					MR250/210	213/215TC
14.48	47,620	95.412	14,625	K913_0950	MR300/210	213/215TC
20.18	65,598	94.329	18,000	K1013_0940	MR300/180	182/184TC
					MR300/210	213/215TC
					MR300/250	254/256TC

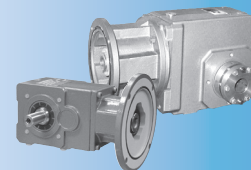
16 RPM Output (Approximate)

0.47	1,772	109.471	1,350	K203_1090	MR140/050	56C
0.83	3,100	107.814	1,575	K303_1080	MR160/050	56C
					MR160/140	143/145TC
1.32	4,872	107.381	2,520	K403_1070	MR160/050	56C
					MR160/140	143/145TC
2.08	7,972	112.834	3,026	K514_1130	MR160/050	56C
					MR160/140	143/145TC
3.34	12,621	111.254	3,600	K614_1110	MR160/050	56C
					MR160/140	143/145TC
5.47	21,259	114.700	4,950	K714_1150	MR200/180	182/184TC
6.54	25,415	114.579	6,525	K814_1150	MR200/180	182/184TC
9.72	37,204	112.838	6,525	K814_1130	MR250/180	182/184TC
					MR250/210	213/215TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
14 RPM Output (Approximate)						
1.88	7,972	124.924	3,026	K514_1250	MR160/050	56C
					MR160/140	143/145TC
3.08	12,844	123.174	3,600	K614_1230	MR160/050	56C
					MR160/140	143/145TC
4.94	21,259	126.990	4,950	K714_1270	MR200/180	182/184TC
6.54	27,901	125.788	14,625	K914_1260	MR200/180	182/184TC
6.54	28,138	126.855	6,525	K814_1270	MR200/180	182/184TC
8.78	37,204	124.927	6,525	K814_1250	MR250/180	182/184TC
					MR250/210	213/215TC
14.76	62,006	123.877	14,625	K914_1240	MR250/180	182/184TC
					MR250/210	213/215TC
13 RPM Output (Approximate)						
0.38	1,772	135.335	1,350	K203_1350	MR140/050	56C
0.67	3,100	134.292	1,575	K303_1340	MR160/050	56C
1.05	4,872	134.399	2,520	K403_1340	MR160/050	56C
1.75	7,972	134.560	3,026	K514_1350	MR160/050	56C
					MR160/140	143/145TC
2.83	12,844	133.827	3,600	K614_1340	MR160/050	56C
					MR160/140	143/145TC
3.10	14,402	137.025	4,950	K714_1370	MR160/050	56C
					MR160/140	143/145TC
6.54	31,395	141.539	6,525	K814_1420	MR200/180	182/184TC
7.87	37,204	139.388	6,525	K814_1390	MR250/180	182/184TC
12 RPM Output (Approximate)						
1.58	7,972	148.977	3,026	K514_1490	MR160/050	56C
					MR160/140	143/145TC
2.56	12,844	148.165	3,600	K614_1480	MR160/050	56C
					MR160/140	143/145TC
3.10	15,945	151.706	4,950	K714_1520	MR160/050	56C
					MR160/140	143/145TC
6.54	33,049	148.996	14,625	K914_1490	MR200/180	182/184TC
12.46	62,006	146.732	14,625	K914_1470	MR250/180	182/184TC
					MR250/210	213/215TC
15.22	76,857	148.889	18,000	K1014_1490	MR250/180	182/184TC
					MR250/210	213/215TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

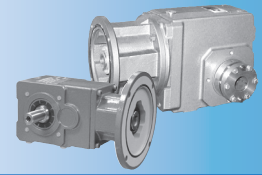
K/KL Series: RIGHT ANGLE — Solid Shaft/Hollow Output

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
11 RPM Output (Approximate)						
4.08	21,259	153.668	4,950	K714_1540	MR200/180	182/184TC
6.54	34,759	156.703	6,525	K814_1570	MR200/180	182/184TC
7.11	37,204	154.322	6,525	K814_1540	MR250/180	182/184TC
10 RPM Output (Approximate)						
0.28	1,772	181.048	1,350	K203_1810	MR140/050	56C
0.50	3,048	178.737	1,575	K303_1790	MR160/050	56C
0.77	4,737	179.056	2,520	K403_1790	MR160/050	56C
1.40	7,972	168.200	3,026	K514_1680	MR160/050	56C
					MR160/140	143/145TC
2.27	12,844	166.694	3,600	K614_1670	MR160/050	56C
					MR160/140	143/145TC
2.63	15,514	174.209	4,950	K714_1740	MR160/050	56C
					MR160/140	143/145TC
3.55	21,259	176.462	4,950	K714_1760	MR200/180	182/184TC
5.81	34,132	173.313	6,525	K814_1730	MR200/180	182/184TC
6.43	37,204	170.679	6,525	K814_1710	MR250/180	182/184TC
9 RPM Output (Approximate)						
1.26	7,972	186.221	3,026	K514_1860	MR160/050	56C
					MR160/140	143/145TC
2.05	12,844	184.554	3,600	K614_1850	MR160/050	56C
					MR160/140	143/145TC
2.63	17,176	192.874	4,950	K714_1930	MR160/050	56C
					MR160/140	143/145TC
3.21	21,259	195.368	4,950	K714_1950	MR200/180	182/184TC
5.72	37,204	191.882	6,525	K814_1920	MR200/180	182/184TC
5.80	37,204	188.966	6,525	K814_1890	MR250/180	182/184TC
6.54	42,515	191.670	14,625	K914_1920	MR200/180	182/184TC
9.69	62,006	188.757	14,625	K914_1890	MR250/180	182/184TC
					MR250/210	213/215TC

1) Overhung Load is measured at the center of the shaft extension. Hollow 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	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 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
8 RPM Output (Approximate)						
0.19	1,407	217.538	1,350	K203_2180	MR140/050	56C
0.31	2,345	218.176	1,575	K303_2180	MR140/050	56C
0.51	3,752	215.391	2,520	K403_2150	MR160/050	56C
1.04	7,972	225.417	3,026	K514_2250	MR160/050	56C
1.70	12,844	222.507	3,600	K614_2230	MR160/050	56C
					MR160/140	143/145TC
2.36	18,092	226.472	4,950	K714_2260	MR160/050	56C
					MR160/140	143/145TC
4.60	36,082	231.404	6,525	K814_2310	MR200/180	182/184TC
4.81	37,204	227.888	6,525	K814_2280	MR250/180	182/184TC
7 RPM Output (Approximate)						
0.94	7,972	249.569	3,026	K514_2500	MR160/050	56C
1.29	11,639	265.917	3,600	K614_2660	MR160/050	56C
					MR160/140	143/145TC
1.54	12,844	246.347	3,600	K614_2460	MR160/050	56C
					MR160/140	143/145TC
2.50	21,259	250.737	4,950	K714_2510	MR160/050	56C
					MR160/140	143/145TC
4.28	37,204	256.198	6,525	K814_2560	MR200/180	182/184TC
5.72	47,896	247.029	14,625	K914_2470	MR200/180	182/184TC
7.52	62,006	243.275	14,625	K914_2430	MR250/180	182/184TC
11.16	89,859	237.418	18,000	K1014_2370	MR250/180	182/184TC

K/KL Series: RIGHT ANGLE — Solid Shaft / Hollow Output

K/KL Series: RIGHT ANGLE — 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
6 RPM Output (Approximate)						
0.13	1,172	271.923	1,350	K203_2720	MR140/050	56C
0.20	1,876	271.923	1,575	K303_2720	MR140/050	56C
0.35	3,283	271.572	2,520	K403_2720	MR140/050	56C
0.78	7,972	300.023	3,026	K514_3000	MR160/050	56C
0.79	7,268	270.989	3,026	K514_2710	MR160/050	56C
1.29	12,844	294.408	3,600	K614_2940	MR160/050	56C
					MR160/140	143/145TC
2.06	21,259	304.817	4,950	K714_3050	MR160/050	56C
					MR160/140	143/145TC
2.06	19,244	275.319	4,950	K714_2750	MR160/050	56C
					MR160/140	143/145TC
3.35	31,935	280.830	6,525	K814_2810	MR200/180	182/184TC
3.35	35,365	310.919	6,525	K814_3110	MR200/180	182/184TC
3.41	31,935	276.563	6,525	K814_2770	MR250/180	182/184TC
3.41	35,365	306.194	6,525	K814_3060	MR250/180	182/184TC
4.82	47,993	293.764	14,625	K914_2940	MR200/180	182/184TC
9.17	90,262	290.350	18,000	K1014_2900	MR250/180	182/184TC
					MR250/210	213/215TC

5 RPM Output (Approximate)

0.53	6,105	337.521	3,026	K514_3380	MR160/050	56C
0.53	6,761	373.684	3,026	K514_3740	MR160/050	56C
0.76	8,600	333.223	3,600	K614_3330	MR160/050	56C
0.76	9,524	368.926	3,600	K614_3690	MR160/050	56C
1.27	14,803	344.148	4,950	K714_3440	MR160/050	56C
					MR160/140	143/145TC
3.76	47,620	373.696	14,625	K914_3740	MR200/180	182/184TC

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. Hollow 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	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