



KELTECH

SINCE 1990



**POWERING
THE FOOD
INDUSTRY**



Motors | Reducers | Inline Ratio Multipliers

Index

Section 1

Aluminum Worm Reducers



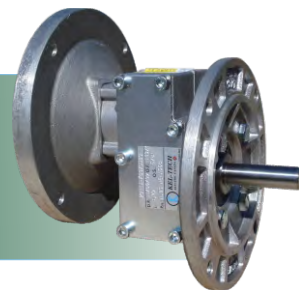
Aluminum Worm Gearboxes

Hollow Output Bore

K30A - 0.625" K45A - 0.75" K50A - 1.00"
K63A - 1.25" K85A - 1.50"

Section 2

Inline Ratio Multipliers



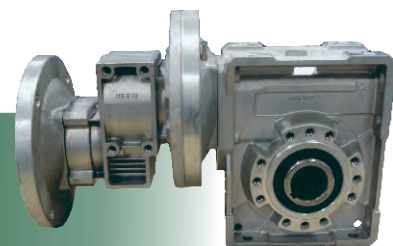
See a full list of
multiplier options
in Section 3

Combine a AL Reducer with a AL Ratio Multiplier
to create a helical Worm Reducer to get ratios as high as 1040:1

K63A + 411A	K85A + 411A
1020.57:1	1042.29:1
1.71 RPM	1.68 RPM
1274 In.lbs	2677 In.lbs

Section 3

Helical Worm Reducer Combinations



Section 4

Aluminum Motors



Aluminum three phase Nema Motors
56 - 63 B14 frame Metric Motors

Section 5

Complete Pricing List

Worm gear boxes type K30A - K85A

A modular and compact product

Single-piece aluminum alloy housing

is vacuum impregnated (MIL-STD 276) for protection and sealing. No secondary finish required but readily accepts paint. Combines light weight with high tensile strength. Precision machined for alignment of bearings and gearing.

Single piece alloy steel input shaft and worm shaft.

High helix angle worm is case-hardened (Rc 58-60), ground, teeth are profiled and radiused, for noise reduction and enhanced efficiency.

Oversized bearings

support positively-retained, high speed shaft for higher shock load capacity - ideal for frequent starting and reversing application. Premium, Nitrile® high temperature seals each end.

Flange

Standard NEMA C flange for easy motor mounting.

Premium, high temperature

Nitrile® output seals

Bronze alloy worm gears.

Is centrifugally cast onto an iron hub for maximum strength and superior life.

Oversize bearing

for radial load capability and maximum hollow output shaft diameter.

Standard hollow output shaft mounting

Reduces total drive envelope size, weight and cost. Single and double solid output shaft is available.

Impregnated and machined bearing caps

with exterior machined surfaces enable a variety of mounting accessories. Extra-deep thread engagement provided for greater support strength. Zinc plated hardware.

Vent Free Design.

No breather or vents to leak! Factory lubricated for life with synthetic, semi-fluid gear lubricant with an operating range of -15°C to 130°C.



INDEX



Types



On page				
5	5	7	9	11
K30A 345 in lbs	K45A 345 in lbs	K50A 611 in lbs	K63A 1240 in lbs	K85A 2921 in lbs



HOW TO ORDER

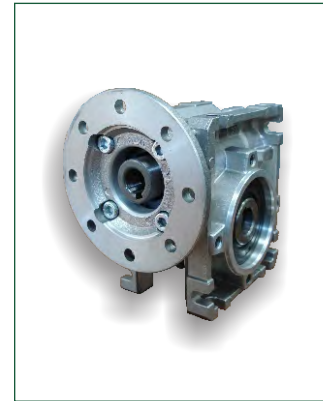
Type	Size	Ratio	Hub	Output shaft	Motor size	Mounting Position
K	45A	10	U	O	W	B3
 K	30A 45A 50A 63A 85A	See technical data table	 U INCH K30A⇒ ø0.625 K45A⇒ ø0.750" K50A⇒ ø1.000" K63A⇒ ø1.250" K85A⇒ ø1.500"	 Ø	 W ⇒ 56C X ⇒ 143/5TC Y ⇒ 182/4TC	 B3
 M			 Z INCH Stainless Steel Bores Available on K50A only	 S	 B14 O ⇒ 56 (ø80) P ⇒ 63 (ø90) B5 A ⇒ 56 (ø120) B ⇒ 63 (ø140)	 B8 V5 V6 B6 B7



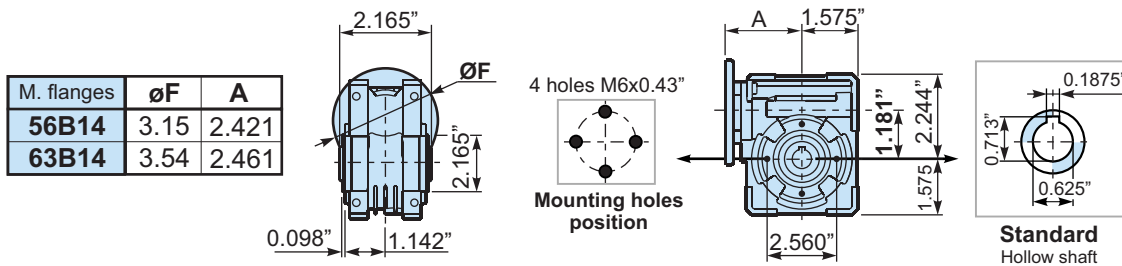
QUICK SELECTION - Input RPM 1750 * Available motor flanges

Type	Output Speed (RPM)	Ratio	Input HP	Output Torque [In.Lbs]	Service factor	Available B14 motor flanges		Type
						O	P	
						56	63	
K30A	350	5	0.24	35	4.0	*	*	K30A
	250	7	0.24	48	2.9	*	*	
	175	10	0.24	67	2.1	*	*	
	117	15	0.24	95	1.7	*	*	
	88	20	0.24	121	1.3	*	*	
	58	30	0.24	161	1.1	*	*	
	43.8	40	0.12	99	1.7	*	*	
	28.7	61	0.12	132	1.3	*	*	
	21.9	80	0.12	166	1.0	*	*	

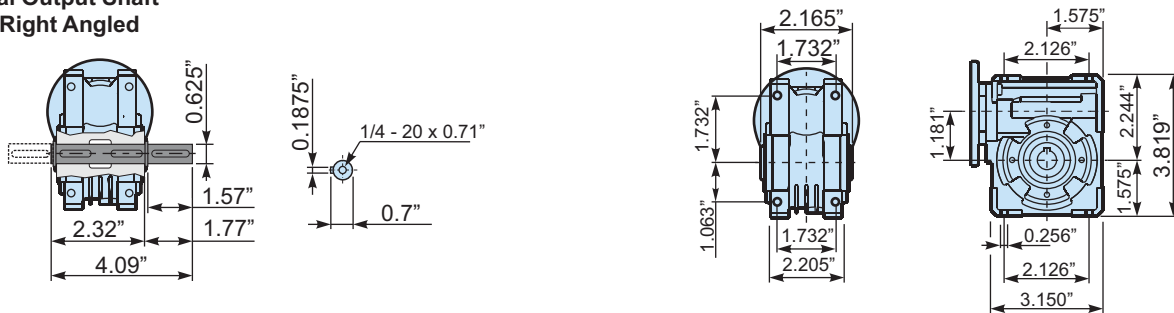
Supplied with Reduction Bushing



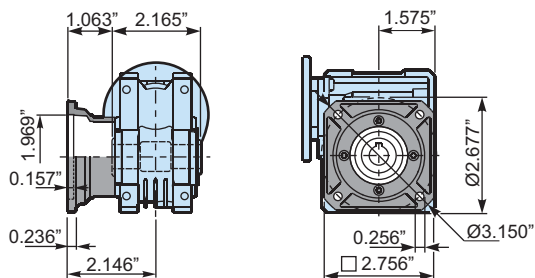
Standard hollow shaft dimensions (inch)



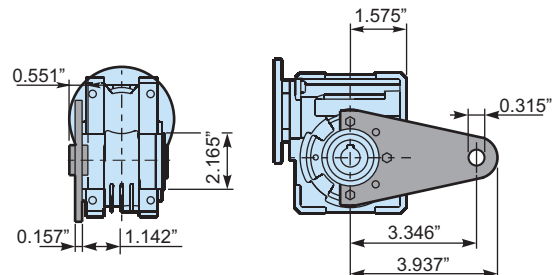
Optional Output Shaft Left or Right Angled



Square Output flange



Optional Torque arm



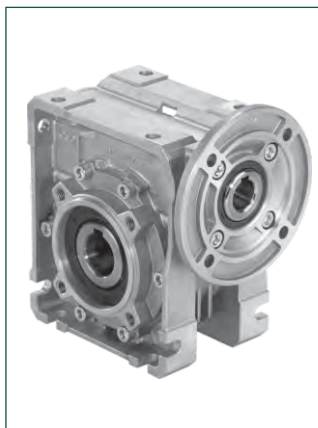
Wormbox weight	lb.
K30A	2.53

K45A ALUMINUM WORM GEARBOXES 0.75" Hollow Output Shaft



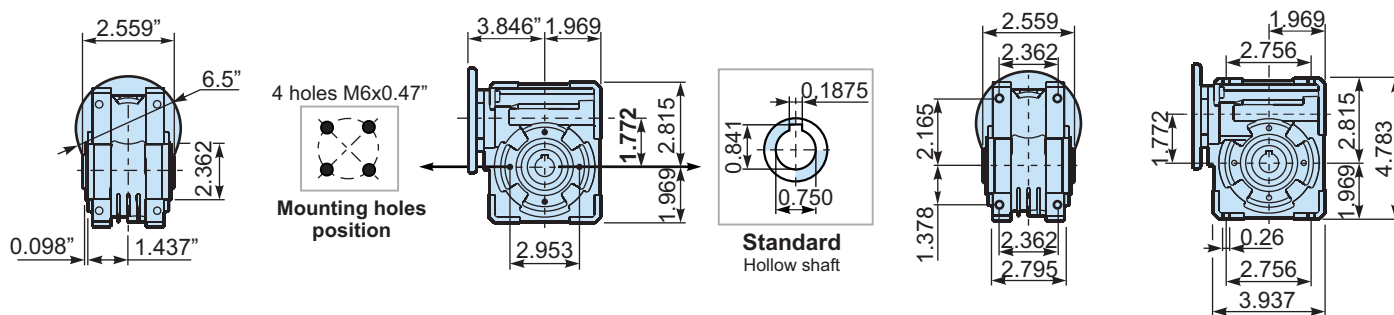
QUICK SELECTION - Input RPM 1750

* Available motor flanges

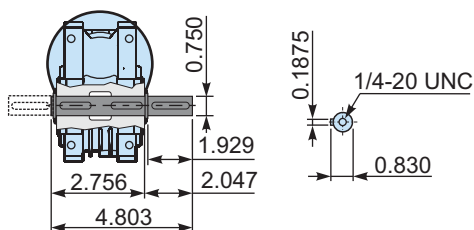


Type	Output Speed (RPM)	Ratio	Input HP	Output Torque [In.Lbs]	Service factor	Available NEMA motor flanges		Ratios Code	Type
						W	X		
						56C	143/5TC		
K45A	250.0	7	1	202	1.3	*		01	K45A
	175.0	10	0.75	213	1.2	*		02	
	125.0	14	0.5	194	1.3	*		03	
	83.3	21	0.5	253	1.4	*		04	
	62.5	28	0.5	328	1.1	*		05	
	47.3	37	0.33	277	1.2	*		06	
	38.0	46	0.33	323	1.1	*		07	
	29.2	60	0.25	302	1.1	*		08	
	25.0	70	0.12	163	1.6	*		09	
	17.2	102	0.12	215	1.2	*		10	

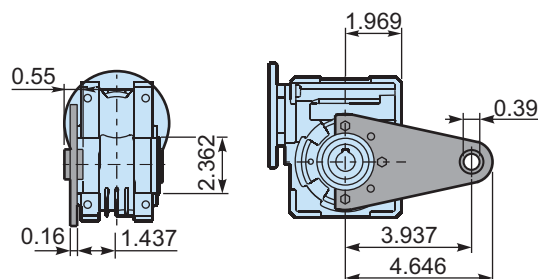
Standard hollow shaft dimensions



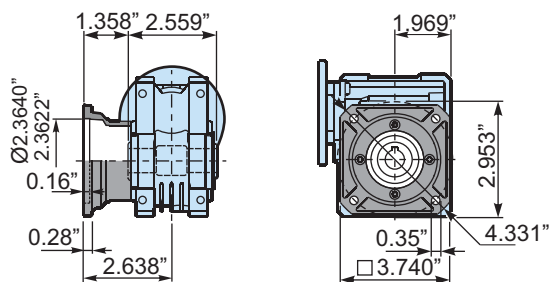
Optional Output Shaft Left or Right Angled - KU0455028



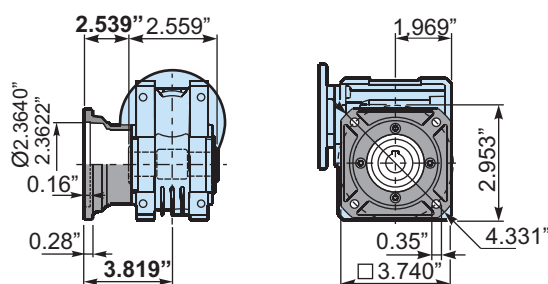
Optional Torque arm - KQ459027



Square Output flange - Short Version - KQ459010



Square Output flange - Long Version - KQ459011



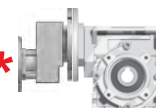
Wormbox weight	lb.
K45A	5.07



*

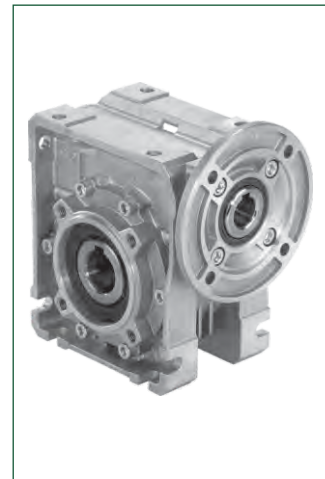
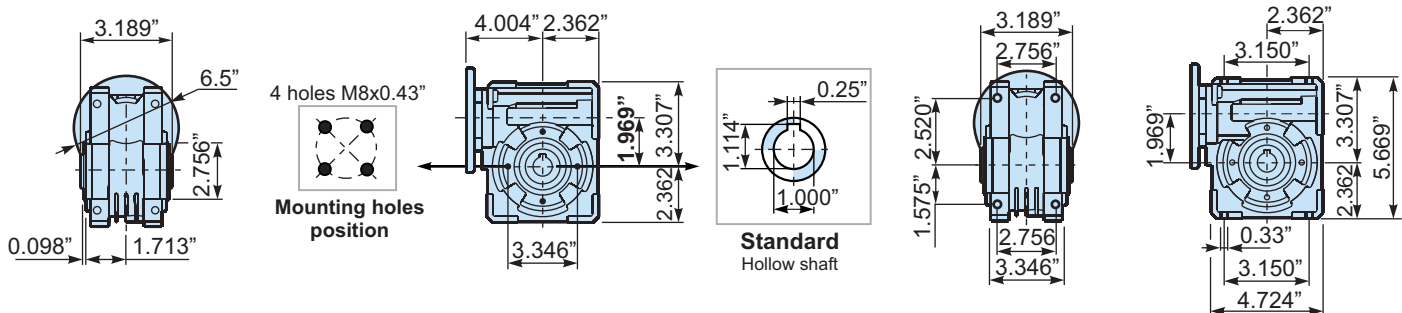
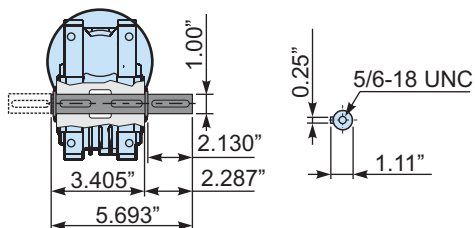
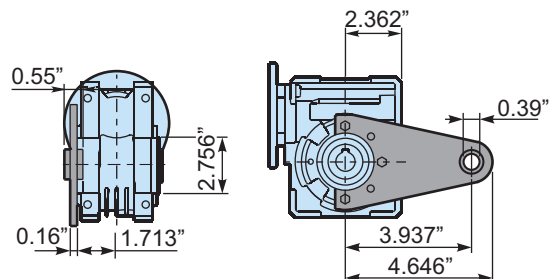
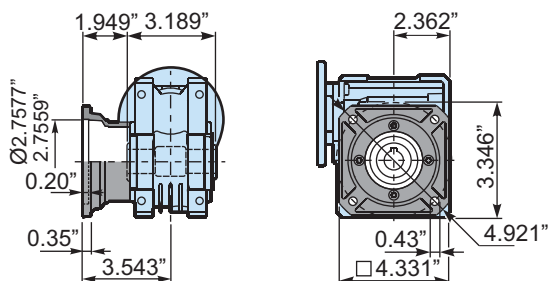
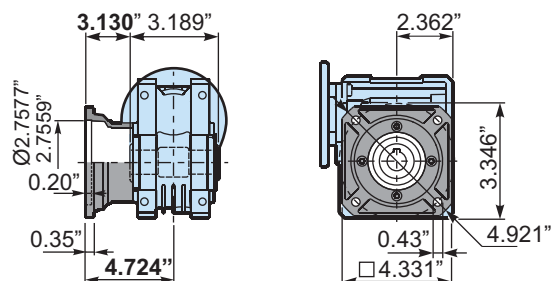
Double and Triple reduction configurations available upon request

*



**QUICK SELECTION - Input RPM 1750***** Available motor flanges**

Type	Output Speed (RPM)	Ratio	Input HP	Output Torque [In.Lbs]	Service factor	Available NEMA motor flanges		Ratio Code	Type
						W	X		
						56C	143/5TC		
K50A	250.0	7	2	413	1.2	*		01	K50A
	175.0	10	1.5	432	1.2	*		02	
	125.0	14	1	398	1.4	*		03	
	97.2	18	1	486	1.1	*		04	
	67.3	26	0.75	485	1.2	*		05	
	58.3	30	0.75	567	1.1	*		12	
	48.6	36	0.5	447	1.4	*		06	
	40.7	43	0.5	511	1.1	*		07	
	29.2	60	0.33	414	1.3	*		08	
	25.7	68	0.33	461	1.1	*		09	
	21.9	80	0.25	389	1.2	*		10	
	17.5	100	0.25	450	1.0	*		11	

**Standard hollow shaft dimensions****K50A UNITS AVAILABLE WITH STAINLESS STEEL OUTPUT BORE OPTION****Optional Output Shaft
Left or Right Angled - KU0505028****Optional Torque arm - KQ509027****Square Output flange
Short Version- KQ509010****Square Output flange
Long Version- KQ509011**

Wormbox weight	lb.
K50A	7.165

*** Double and Triple reduction configurations available upon request**

K63A

ALUMINUM WORM GEARBOXES 1.25" Hollow Output Shaft



QUICK SELECTION - Input RPM 1750

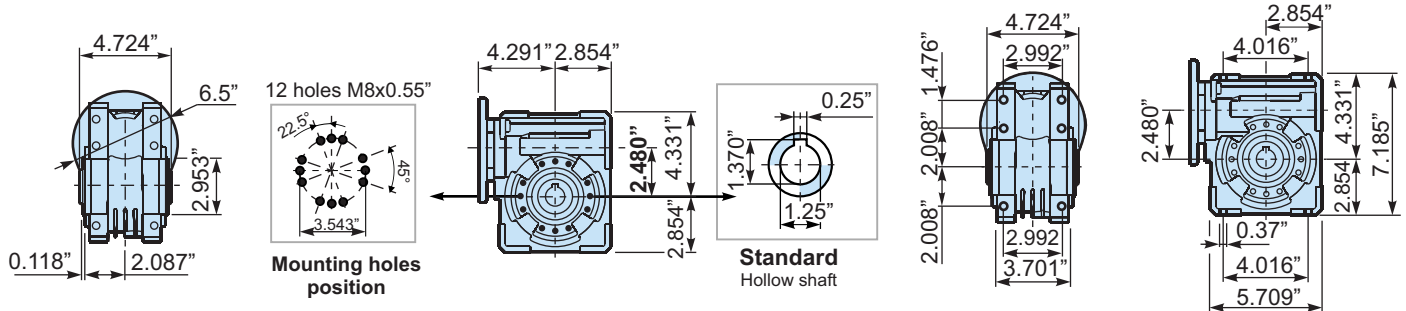
* Available motor flanges



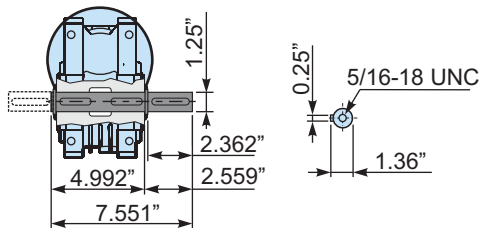
Type	Output Speed (RPM)	Ratio	Input HP	Output Torque [In.Lbs]	Service factor	Available NEMA motor flanges		Ratio Code	Type
						W	X		
						56C	143/5TC		
K63A	250.0	7	2	419	2.5		*	01	K63A
	175.0	10	2	583	1.9		*	02	
	116.7	15	2	854	1.4		*	03	
	92.1	19	2	1068	1.1		*	04	
	72.9	24	1.5	972	1.2		*	05	
	58.3	30	1.5	1199	1.0		*	06	
	48.6	36	1	882	1.4		*	07	
	38.9	45	1	1070	1.1		*	08	
	29.2	60	0.75	1005	1.1		*	12	
	26.1	67	0.5	724	1.4		*	09	
	21.9	80	0.5	821	1.2		*	10	
	18.6	94	0.5	880	1.1		*	11	

Standard hollow shaft dimensions

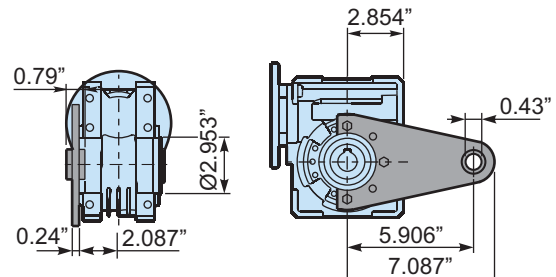
Supplied with Reduction Bushing



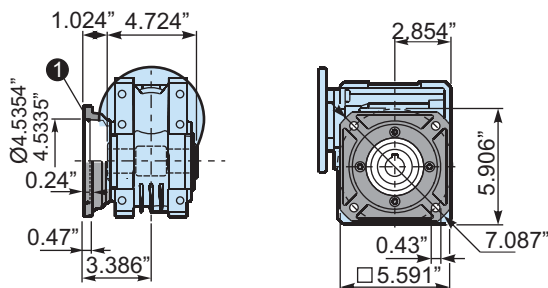
Optional Output Shaft
Left or Right Angled - KU0635030



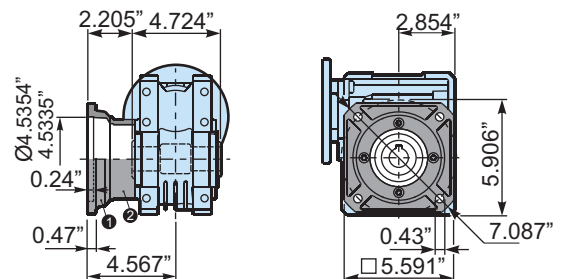
Optional Torque arm -K0639027



Square Output flange
Small version ① KQ939010



Square Output flange
Long Version ① KQ639010 + ② K0630200



Wormbox weight	lb.
K63A	13.23



*

Double and Triple reduction configurations available upon request

*





ALUMINUM WORM GEARBOXES

1.50" Hollow Output Shaft

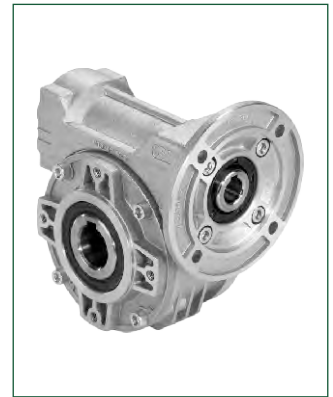
K85A

QUICK SELECTION - Input RPM 1750

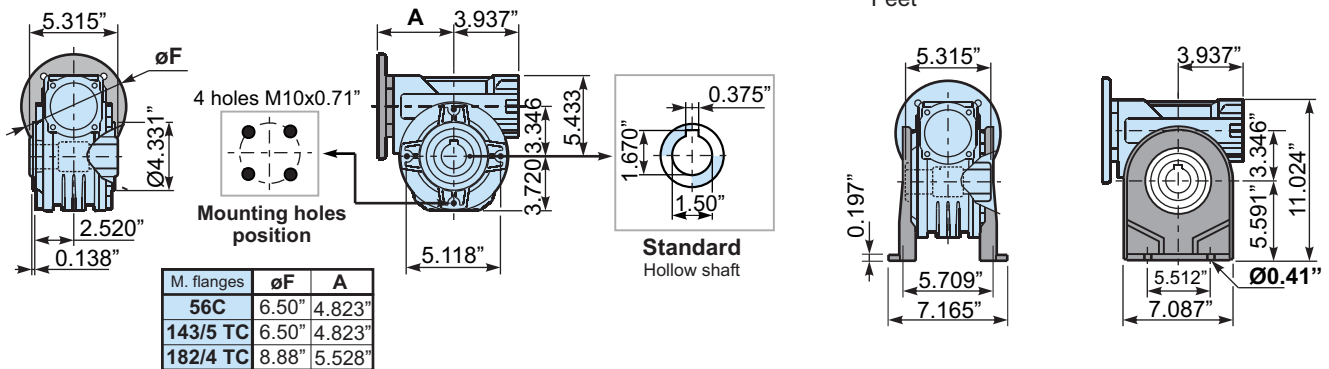
* Available motor flanges

Type	Output Speed (RPM)	Ratio	Input HP	Output Torque [In.Lbs]	Service factor	Available NEMA motor flanges			Type
						W	X	Y	
						56C	143/5TC	182/4TC	
K85A	250.0	7	7.5	1664	1.3		*	*	K85A
	175.0	10	5	1441	1.7		*	*	
	125.0	14	5	1967	1.3		*	*	
	87.5	20	3	1707	1.5		*	*	
	62.5	28	3	2269	1.3		*	*	
	46.1	38	2	1943	1.5		*	*	
	33.7	52	1.5	1854	1.3		*	*	
	26.1	67	1.5	2353	1.0		*	*	
	18.2	96	1	1833	1.1		*	*	

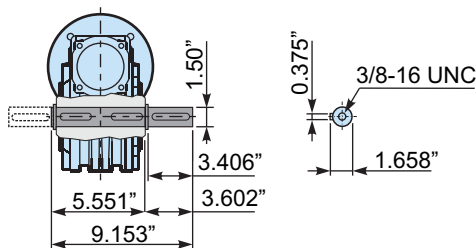
Supplied with Reduction Bushing * Flange available upon request



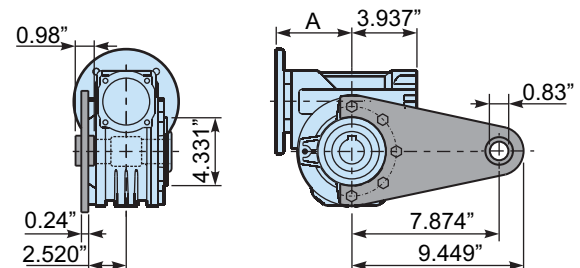
Standard hollow shaft dimensions



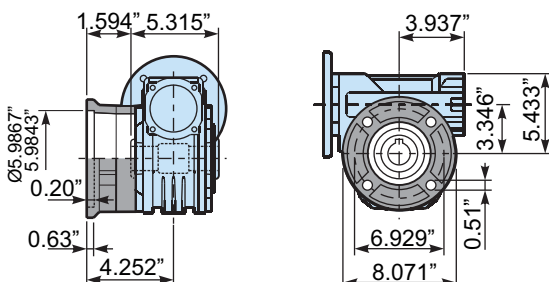
Optional Output Shaft Left or Right Angled



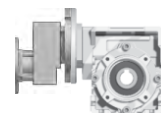
Optional Torque arm



Output flange

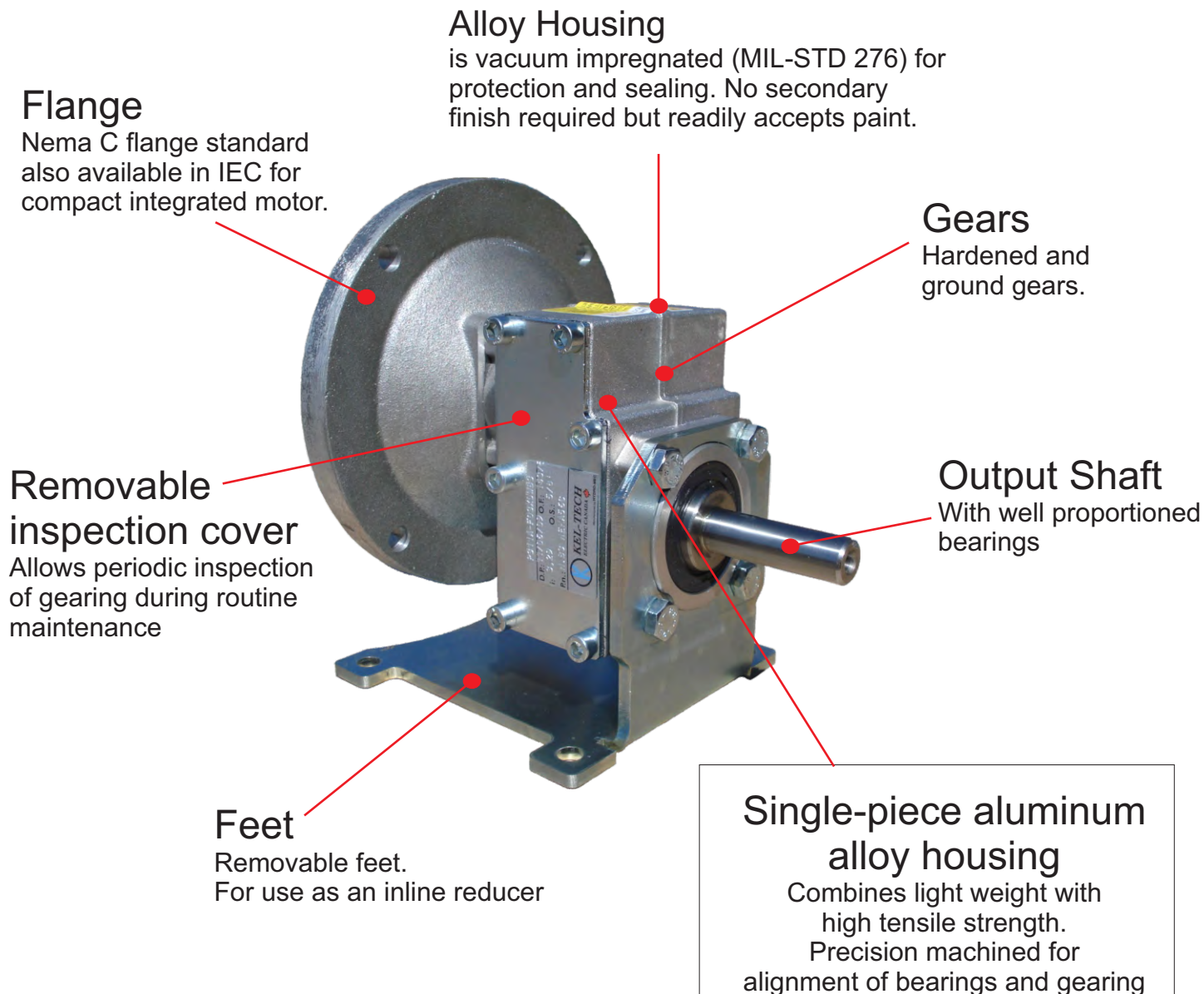


* Double and Triple reduction configurations available upon request *



Wormbox weight	lb.
K85A	24.25

ALUMINUM INLINE GEAR REDUCERS



With the optional feet kit
this product works as a
stand alone inline reducer

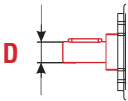
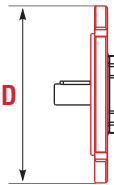
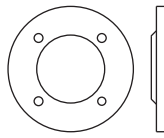
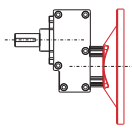
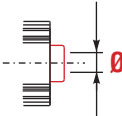
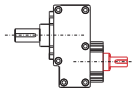
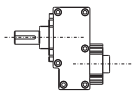
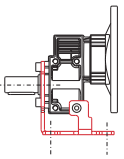


Or add it to one of our right angle
aluminum reducers to create larger
reduction ratios, and slower output
speeds



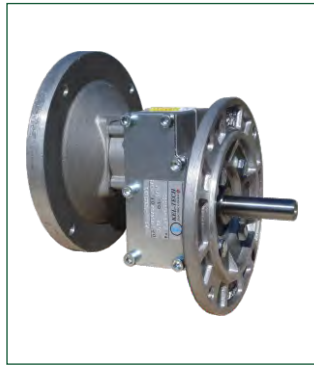
HOW TO ORDER

Typical Product Code

<i>P</i>	<i>411A</i>	<i>F</i>	<i>1.57</i>	<i>X</i>	<i>U</i>	<i>W</i>	<i>B3</i>
↓ Input Style	↓ Reducer Type/Size	↓ Mounting	↓ Ratio	↓ Output Shaft Diameter	↓ Output Flange Diameter	↓ Input Fl. NEMA Frame Size	↓ Mounting Position
Motorized M	411A 511A	Output Flange Mounted -F	See technical data table	 411A <i>X = Dia 0.625"</i> 511A <i>Y = Dia 1.125"</i>	 <i>N = Without Flange</i>	 <i>W = Nema 56C</i> <i>X = Nema 143-5TC</i> <i>Y = Nema 182-4TC</i>	See technical data table
P 		Without Flange Feet -N			 411A <i>U = Nema 143/5TC</i> 511A <i>U = Nema 143/5TC</i> <i>W = Nema 182/4TC</i>	Input Bore NEMA 	
R 		Feet Mounted H1				<i>K = Without Flange ø5/8"</i> <i>N = Without Flange ø5/8"</i> <i>S = Without Flange ø1 1/8"</i>	
B 							



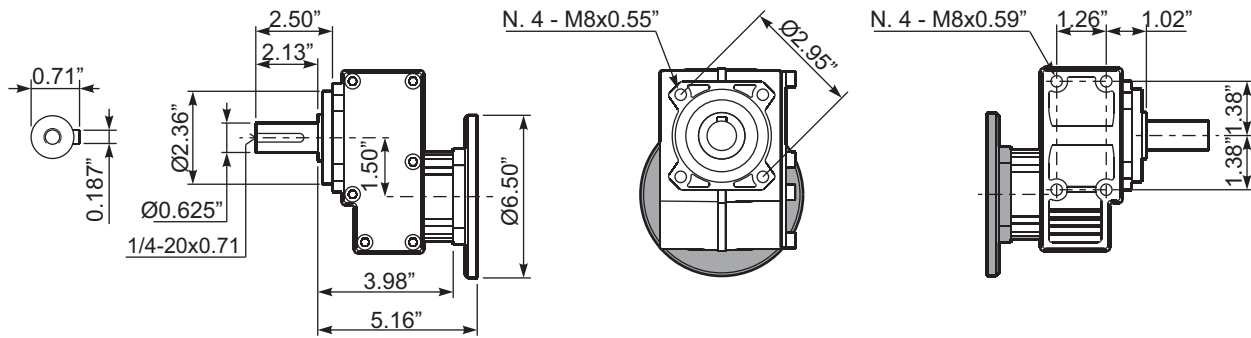
QUICK SELECTION - Input RPM 1750 * Available motor flanges



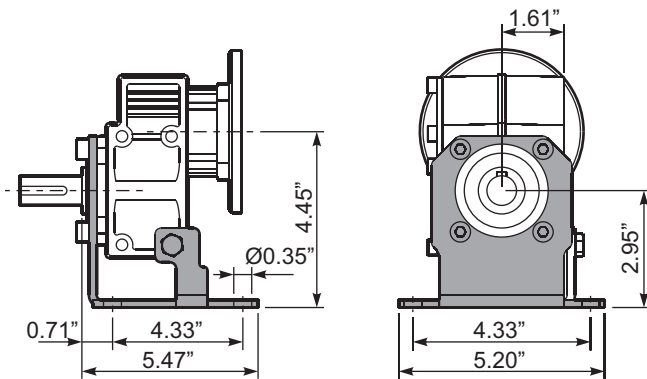
Type	Output Speed (RPM)	Ratio	Input HP	Output Torque [In.Lbs]	Service factor	Available NEMA motor flanges		Type
						W	X	
						56C	143/5TC	
411A	1113.6	1.57	1.5	83	1.2	*		411A
	615.7	2.84	1.5	151	1.1	*		
	531.3	3.29	1.5	174	1.1	*		
	452.6	3.87	1.5	205	1.0	*		
	379.2	4.62	1.5	244	1.0	*		
	277.8	6.30	1	222	1.0	*		
	212.8	8.22	0.50	145	1.3	*		
	161.2	10.86	0.33	127	1.1	*		

The dynamic efficiency is **0.98** for all ratios

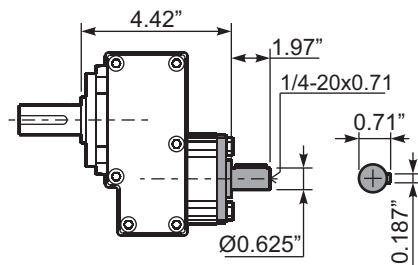
Standard multiplier dimensions - INCH



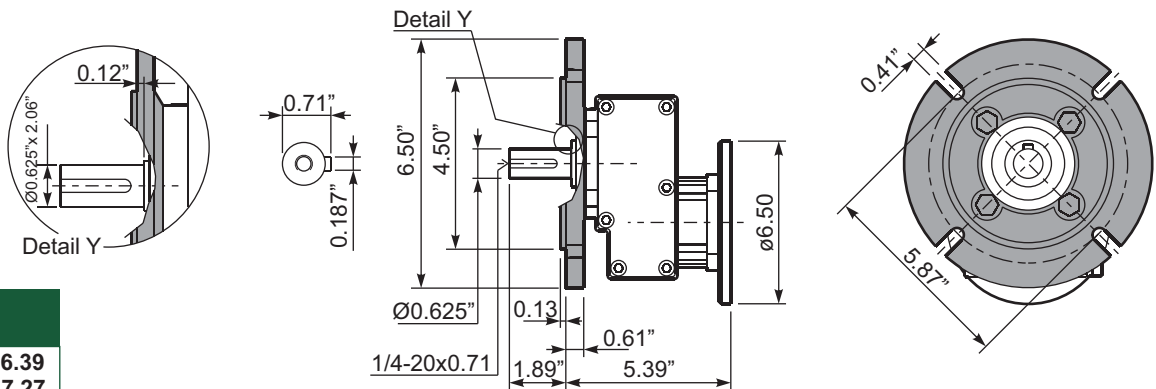
With Feet / Base



Input Shaft



Output Flange



Wormbox weight	Lb.
411A	Mold base 6.39
	With flange 7.27



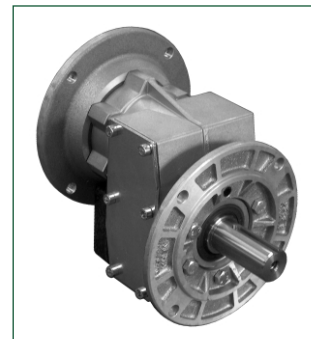
One step
325 In.Lbs

Alluminum ONE STEP GEARBOXES

511A

QUICK SELECTION - Input RPM 1750 * Available motor flanges

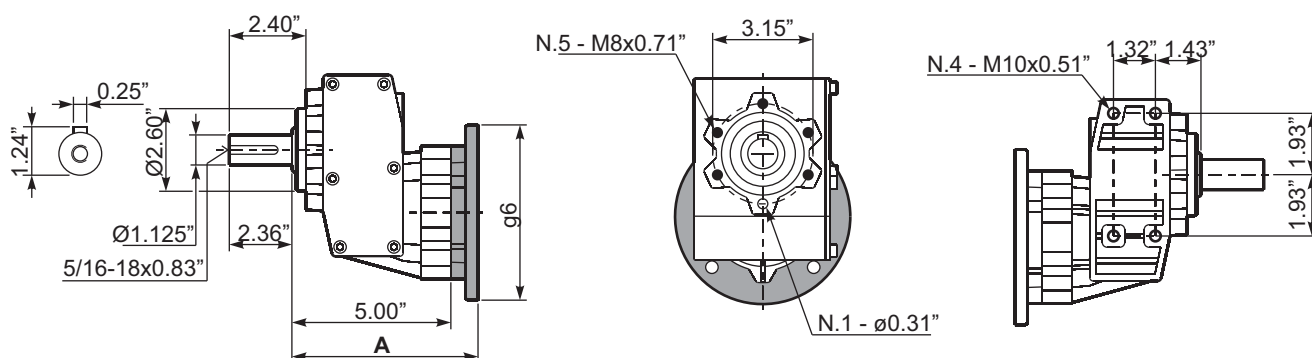
Type	Output Speed (RPM)	Ratio	Input HP	Output Torque [In.Lbs]	Service factor	Available NEMA motor flanges		Type
						X	Y	
						143/5TC	182/4TC	
511A	1346.2	1.30	3	138	1.4	*	*	511A
	714.3	2.45	3	259	1.3	*	*	
	528.3	3.31	3	351	1.3	*	*	
	406.3	4.31	2	304	1.8	*	*	
	331.9	5.27	2	372	1.5	*	*	
	229.5	7.63	1.5	404	1.3	*	*	
	166.7	10.50	1	371	1.1	*	*	



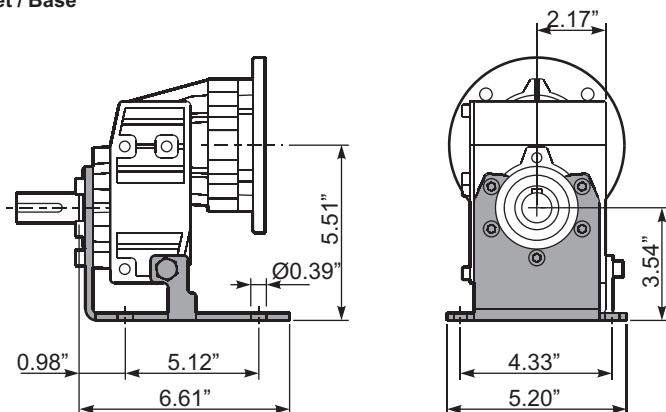
The dynamic efficiency is **0.98** for all ratios

* Available upon request

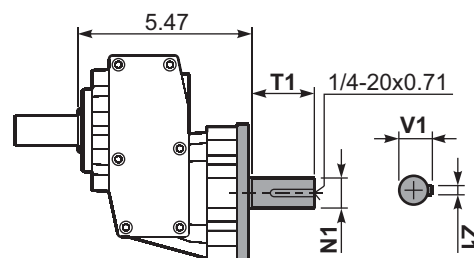
Standard multiplier dimensions - INCH



With Feet / Base

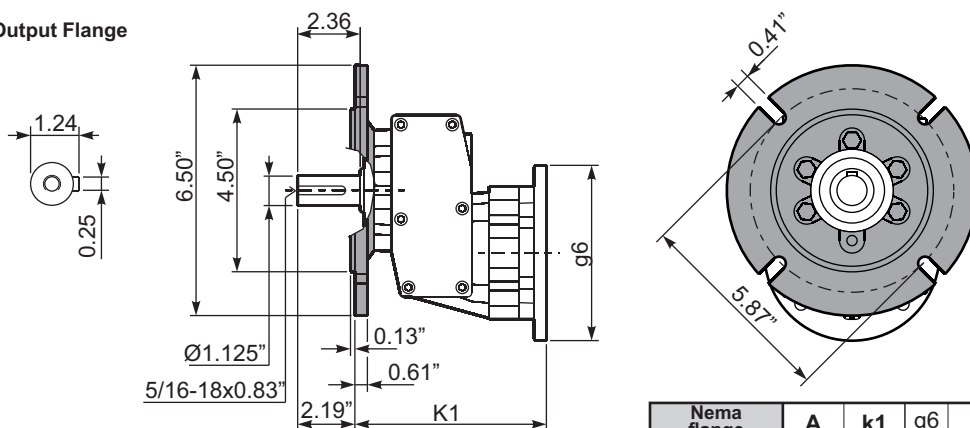


Input Shaft



Input shaft	N1	T1	V1	Z1	kit code
Standard	1.125	1.97	1.24	0.250	KC505071U
On request	0.875	1.97	0.96	0.250	KC505070U

Output Flange



Nema flange	A	k1	g6	kit code
143/5TC	5.96	6.15	6.50	Ku0854041
182/4TC	6.66	6.84	8.88	Ku0854042

Wormbox weight	Lb.
511A	Mold base 10.8 With flange 12.8

12



	Input RPM	Output RPM	Total Ratio	411 Multiplier Ratio	K63A Gearbox Ratio	HP	Output Torque (IN.LBS)	Service Factor
	ÇĐĐC	54.17	32.31	4.62	7	1.5	1349	1.0
	1750	46.40	37.71	1.57	24	1.5	1378	1.0
	1750	45.26	38.67	3.87	10	1	1050	1.4
	1750	41.05	42.63	2.84	15	1	1129	1.3
	1750	39.68	44.10	6.30	7	1	1227	1.1
	1750	37.92	46.15	4.62	10	1	1254	1.2
	1750	35.42	49.41	3.29	15	1	1309	1.1
	1750	32.41	54.00	2.84	19	1	1368	1.1
	1750	30.41	57.56	8.22	7	0.75	1201	1.2
	1750	27.96	62.59	3.29	19	0.75	1189	1.2
	1750	25.28	69.23	4.62	15	0.75	1375	1.1
	1750	24.75	70.71	1.57	45	0.75	1087	1.3
	1750	23.82	73.47	3.87	19	0.75	1396	1.1
	1750	22.14	79.06	3.29	24	0.5	963	1.6
	1750	21.28	82.22	8.22	10	0.5	1117	1.3
	1750	20.52	85.26	2.84	30	0.5	1002	1.5
	1750	19.96	87.69	4.62	19	0.5	1111	1.4
	1750	18.52	94.50	6.30	15	0.5	1252	1.2
	1750	17.10	102.32	2.84	36	0.5	1081	1.4
	1750	16.12	108.57	10.86	10	0.5	1474	1.0
	1750	15.09	116.00	3.87	30	0.5	1363	1.2
	1750	14.76	118.59	3.29	36	0.5	1252	1.2
	1750	14.19	123.33	8.22	15	0.33	1078	1.4
	1750	13.68	127.89	2.84	45	0.33	865	1.7
	1750	12.64	138.46	4.62	30	0.33	1074	1.5
	1750	11.81	148.24	3.29	45	0.33	1003	1.4
	1750	10.53	166.15	4.62	36	0.33	1158	1.4
	1750	9.26	189.00	6.30	30	0.33	1466	1.1
	1750	8.43	207.69	4.62	45	0.25	1064	1.4
	1750	7.72	226.80	6.30	36	0.25	1198	1.4
	1750	7.09	246.67	8.22	30	0.25	1450	1.1
	1750	6.72	260.57	10.86	24	0.25	1587	1.0
	1750	6.17	283.50	6.30	45	0.25	1453	1.0
	1750	5.91	296.00	8.22	36	0.25	1563	1.0
	1750	5.66	309.23	4.62	67	0.25	1392	1.0
	1750	5.37	325.71	10.86	30	0.08	613	2.6
	1750	4.81	363.47	3.87	94	0.08	454	2.9
	1750	4.03	433.85	4.62	94	0.08	541	2.4
	1750	3.58	488.57	10.86	45	0.08	801	1.9
	1750	3.18	550.89	8.22	67	0.08	793	1.7
	1750	2.96	592.20	6.30	94	0.08	739	1.8
	1750	2.41	727.43	10.86	67	0.08	1048	1.3
	1750	2.26	772.89	8.22	94	0.08	965	1.4
	1750	2.01	868.57	10.86	80	0.08	1188	1.1
	1750	1.71	1020.57	10.86	94	0.08	1274	1.0

Input RPM	Output RPM	Total Ratio	411 Multiplier Ratio	085 Gearbox Ratio	HP	Output Torque (IN.LBS)	Service Factor
ČĐDĆ	32.33	54.13	3.87	14	2	2832	1.2
1750	30.79	56.84	2.84	20	2	2916	1.1
1750	29.31	59.71	1.57	38	2	2634	1.3
1750	27.99	62.53	2.84	22	1.5	2376	1.3
1750	27.08	64.62	4.62	14	1.5	2535	1.3
1750	26.56	65.88	3.29	20	1.5	2535	1.2
1750	24.15	72.47	3.29	22	1.5	2753	1.1
1750	23.03	76.00	10.86	7	0.5	1121	1.3
1750	22.63	77.33	3.87	20	1.5	2976	1.1
1750	21.99	79.58	2.84	28	1.5	2844	1.3
1750	21.28	82.22	8.22	10	1	2206	1.2
1750	20.57	85.07	3.87	22	1	2155	1.5
1750	19.84	88.20	6.30	14	1	2307	1.5
1750	18.96	92.31	4.62	20	1	2368	1.4
1750	17.23	101.54	4.62	22	1	2572	1.3
1750	16.20	108.00	2.84	38	1	2382	1.5
1750	15.20	115.11	8.22	14	1	3011	1.1
1750	13.98	125.18	3.29	38	1	2761	1.3
1750	13.39	130.74	2.84	46	1	2761	1.3
1750	12.63	138.60	6.30	22	0.75	2633	1.2
1750	11.91	146.93	3.87	38	0.75	2430	1.5
1750	11.55	151.53	3.29	46	0.75	2400	1.4
1750	10.22	171.29	3.29	52	0.75	2544	1.2
1750	9.98	175.38	4.62	38	0.75	2901	1.3
1750	8.70	201.07	3.87	52	0.75	2986	1.1
1750	8.24	212.31	4.62	46	0.75	3363	1.1
1750	7.93	220.71	3.29	67	0.5	2152	1.4
1750	7.33	238.86	10.86	22	0.5	3025	1.1
1750	7.29	240.00	4.62	52	0.5	2376	1.3
1750	6.76	259.07	3.87	67	0.5	2526	1.3
1750	6.41	272.84	2.84	96	0.5	2169	1.2
1750	6.12	286.13	3.87	74	0.5	2490	1.2
1750	6.04	289.80	6.30	46	0.5	3061	1.2
1750	5.76	304.00	10.86	28	0.5	3621	1.1
1750	5.66	309.23	4.62	67	0.5	3015	1.1
1750	5.60	312.44	8.22	38	0.5	3445	1.1
1750	5.53	316.24	3.29	96	0.33	1659	1.5
1750	5.34	327.60	6.30	52	0.33	2141	1.5
1750	5.12	341.54	4.62	74	0.33	1961	1.5
1750	4.71	371.20	3.87	96	0.33	1948	1.4
1750	4.63	378.22	8.22	46	0.33	2636	1.4
1750	4.24	412.57	10.86	38	0.33	3003	1.2
1750	4.15	422.10	6.30	67	0.33	2716	1.2
1750	4.09	427.56	8.22	52	0.33	2794	1.1
1750	3.95	443.08	4.62	96	0.33	2325	1.2
1750	3.75	466.20	6.30	74	0.33	2677	1.1
1750	3.50	499.43	10.86	46	0.33	3481	1.0
1750	3.18	550.89	8.22	67	0.25	2686	1.2
1750	3.10	564.57	10.86	52	0.25	2795	1.1
1750	2.89	604.80	6.30	96	0.25	2404	1.1
1750	2.88	608.44	8.22	74	0.25	2647	1.1
1750	2.41	727.43	10.86	67	0.08	1135	2.8
1750	2.22	789.33	8.22	96	0.08	1004	2.7
1750	2.18	803.43	10.86	74	0.08	1118	2.7
1750	1.68	1042.29	10.86	96	0.08	1326	2.0



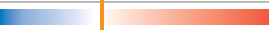


STANDARD LUBRICATION & MOUNTING POSITIONS



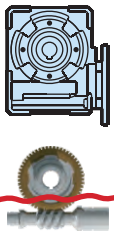
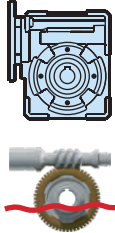
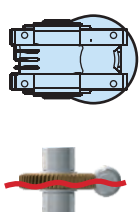
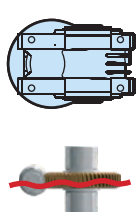
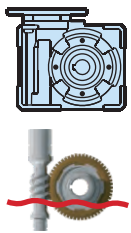
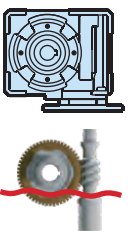
UNITS K30A TO K85A ARE SUPPLIED WITH SYNTHETIC OIL, PROVIDING “LONG LIFE” LUBRICATION FOR THE MOUNTING POSITIONS B8 - B3 - B6 - B7 (FOR V5 - V6 SPECIFY IN THE ORDER).

* Standard Kel-Tech Oil Type

 	TEMPERATURE			DIN 51517-3 ISO 12925-1	CFIA-ACIA APPROVED
	-85 °C	0 °C	+120 °C		
Telium VSF 320 *	-30 °C		+80 °C	synthetic	
FoodLube Endure 00 - UH1	-20 °C		+150 °C		
					
Mobil Glygoyle 460 H1	-33 °C		+265 °C	synthetic	
					
Klubersynth Uh1 6-320	-35 °C		+120 °C	synthetic	

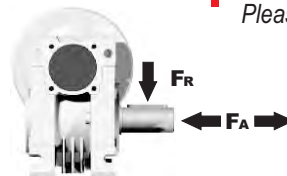
• Standard mounting positions

OIL QUANTITY FOR EVERY POSITION (OUNCES)

						
	B8	B3	B6	B7	V5	V6
K30A	1.00	1.00	1.00	1.00	▪	▪
K45A	2.82	2.82	2.82	2.82	▪	▪
K50A	4.58	4.58	4.58	4.58	▪	▪
K63A	10.6	10.6	10.6	10.6	▪	▪
K85A	42.33	42.33	42.33	42.33	▪	▪

Special Purpose Lubricants Available on request

▪ Please contact us for oil quantity

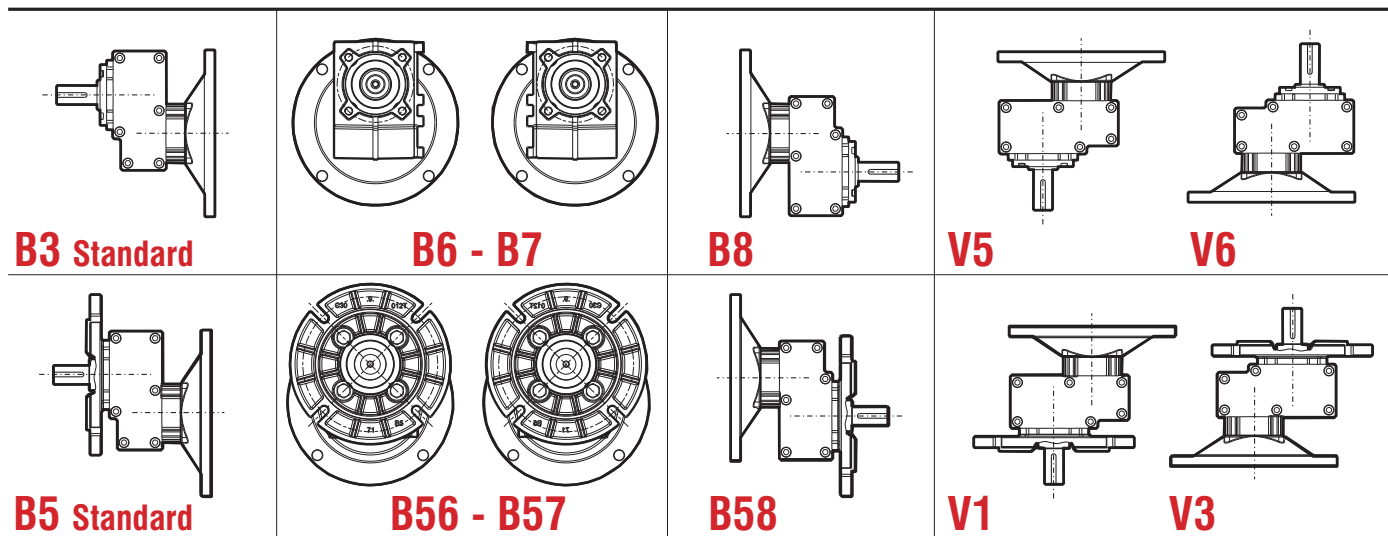


• Radial and axial loads

Output Speed (RPM)	K45A		K50A		K63A		K85A	
	F _A [lb.]	F _R [lb.]	F _A [lb.]	F _R [lb.]	F _A [lb.]	F _R [lb.]	F _A [lb.]	F _R [lb.]
200	40	202	54	270	81	404.5	112	562
150	45	225	63	315	90	450	130	652
100	49	247	67	337	103.5	517	135	674
75	54	270	76	382	112.5	562	157	787
50	58	315	85	427	135	674.5	180	899
25	67	405	108	562	157	854	225	1124
15	90	450	126	629	180	899	261	1304



Type 411A - 511A Mounting Position

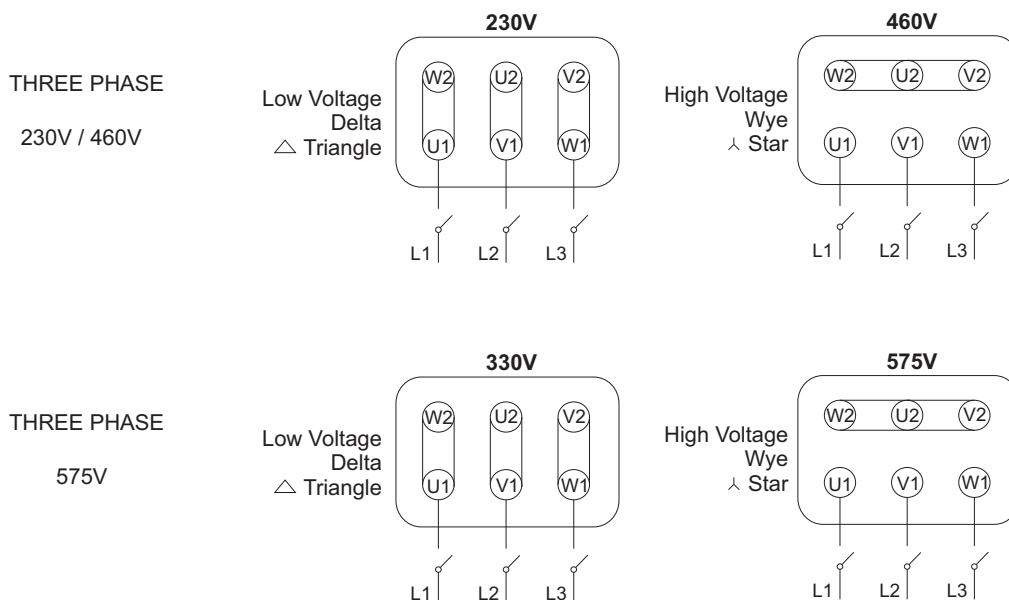


Oil Capacities for All Mounting Positions in Ounces

Reducer Size:	411A	511A
All the positions	7.04	10.21



Aluminum Motor Wiring Diagram





GENERAL PURPOSE ALUMINUM MOTORS

Three Phase 208-230/460 & 575V, NEMA Design B, High Efficiency, TEFC, Class F Insulation, 40°C Ambient, Continuous Duty, 1.15 Service Factor.



- Light Weight Aluminum Construction.
- **CSA , CE and UL. Certified**
- True Inverter Duty Wire Standard
4:1 Constant Torque
10:1 Variable Torque
- Fin Body design for cooler running temperatures.
- Oversized Conduit Box complete with strain relief connector.
- Different Conduit Box options available upon request.
- **Paint Free**

Three Phase

HP	RPM	Nema Frame	Model Number		List Price
			208-230/460V	575V	
1/4	1800	56C	AL1444C	AL1445C	\$284.00
1/3	1800	56C	AL1344C	AL1345C	\$290.00
1/2	1800	56C	AL1244C	AL1245C	\$296.00
3/4	1800	56C	AL3444C	AL3445C	\$326.00
1	1800	56C	AL0144CP	AL0145CP	\$458.00

1HP motors are now premium efficient

ALUMINUM IEC MOTOR LIST PRICING



Three Phase

HP	RPM	B14 Frame	Model Number	List Price
			208-230/460V	
0.12	1750	56B14	AL094456B14	\$278.00
0.24	1750	63B14	AL184463B14	\$292.00

Double Lip
Contact
Seals



Light Weight
Fin Body
Design for
Cooler Running
Temperatures



Oversized
Conduit Box
Complete with
Strain relief

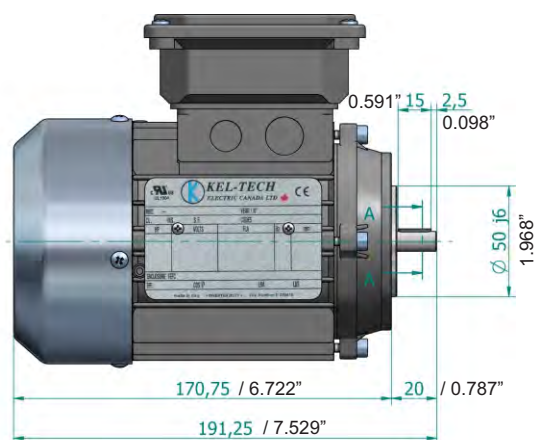
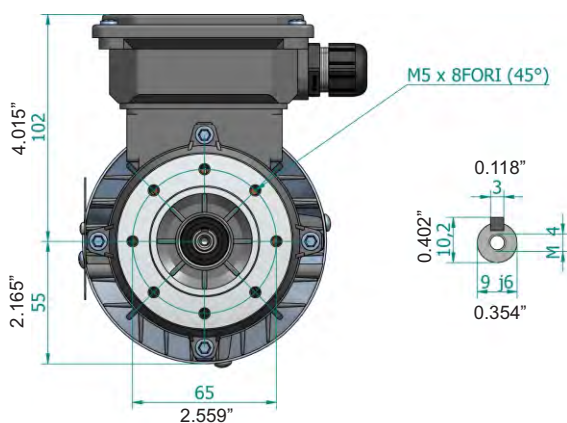




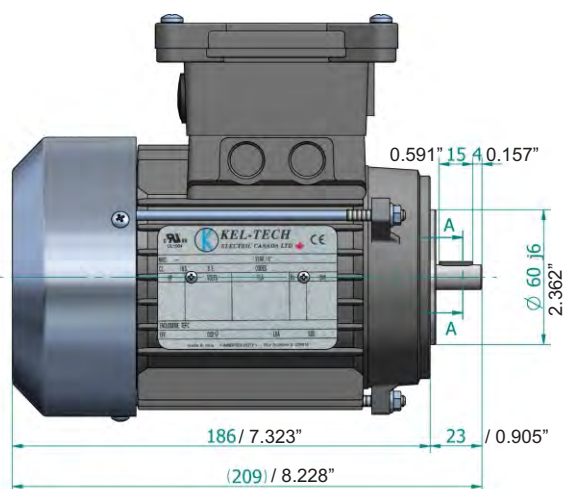
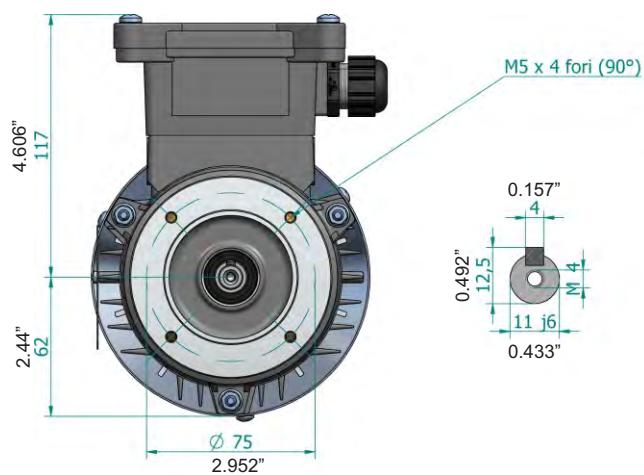
Aluminum Motor Dimensions



• 56B14 (in/mm)



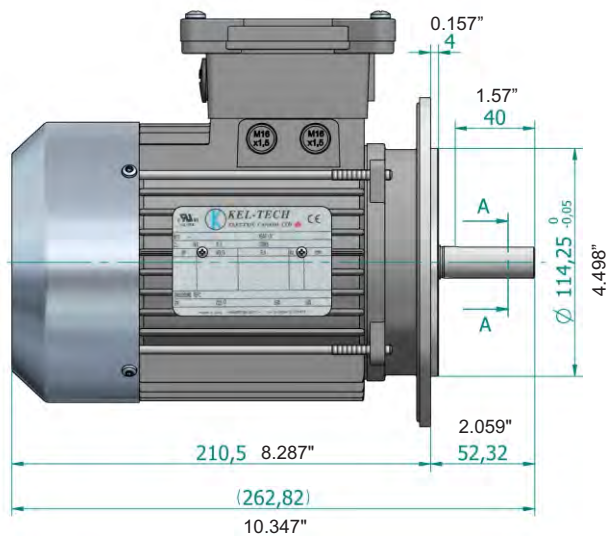
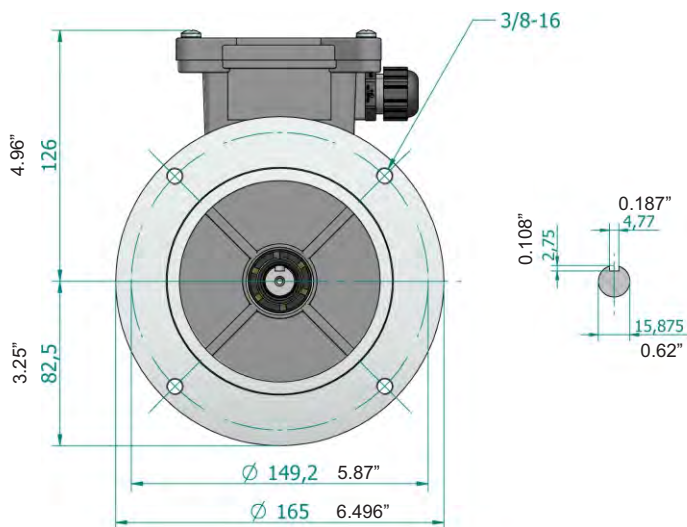
• 63B14 (mm)



1mm = 0.03937 inches

Smaller Conduit Box options available upon request

Nema 56C





SQUARE ALUMINUM REDUCERS LIST PRICING



SIZE	BORE SIZE	INPUT FLANGE	LIST PRICE
K30A	0.625"	56/63B14	\$270.00
K45A	0.75"	56C	\$358.00
K50A	1.00"	56C	\$486.00
K63A	1.25"	143/5TC	\$676.00
K85A	1.50"	182/4TC	\$1144.00



ALUMINUM ACCESSORIES



SIZE	OUTPUT SHAFT KIT		TORQUE ARM		OUTPUT FLANGE		
	MODEL	LIST PRICE	MODEL	LIST PRICE	SHORT MODEL	LONG MODEL	LIST PRICE
K30A	KU0305028	\$32.00	KQ309027	\$28.00	KQ309010	NA	\$22.00
K45A	KU0455028	\$52.00	KQ459027	\$42.00	KQ459010	KQ459011	\$26.00
K50A	KU0505028	\$70.00	KQ509027	\$44.00	KQ509010	KQ509011	\$36.00
K63A	KU0635030	\$88.00	KO639027	\$74.00	KQ639010	KQ639010 + KQ630200	\$62.00
K85A	KU0855028	\$124.00	KO859027	\$108.00	KO859010	NA	\$96.00



SQUARE ALUMINUM ACCESSORIES



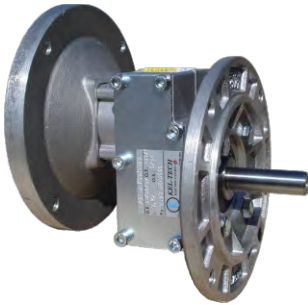
SIZE	SHAFT PROTECTION CUP	
	MODEL	LIST PRICE
K30A	Q301214401	\$30.00
K45A	Q451214901	\$34.00
K50A	Q501214301	\$36.00
K63A	Q631214801	\$40.00



ALUMINUM MULTIPLIER LIST PRICING



ALUMINUM INLINE REDUCER / MULTIPLIER LIST PRICING



SIZE	BORE SIZE	INPUT FLANGE	LIST PRICE
411A	0.625"	56C	\$496.00
511A	1.125"	143/5TC	\$828.00
511A	1.125"	182/4TC	\$865.00

* 411A available in 0.875 & 0.75" upon request



INLINE REDUCER LIST PRICING



INLINE REDUCER WITH BASE KIT LIST PRICING



SIZE	BORE SIZE	INPUT FLANGE	LIST PRICE
411A	0.625"	56C	\$538.00
511A	1.125"	143/5TC	\$848.00
511A	1.125"	182/4TC	\$865.00

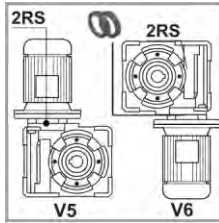
* 411A available in 0.875 & 0.75" upon request



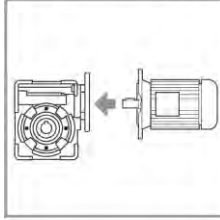
INSTALLATION CHECK LIST



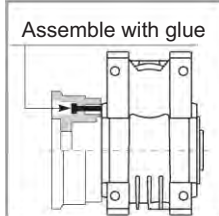
Please Check

☐

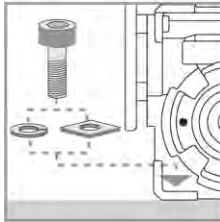
Do not change mounting positions without contacting our factory. Altering the mounting position may require special lubrication provisions which must be installed from the factory. When reducers are mounted in V5 or V6 positions and used in continuous duty applications, replace the upper bearing with a self lubricated style bearing.

☐

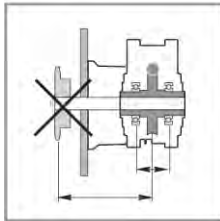
When mounting a motor to a reducer, the fastening bolts should not be tightened until both the reducer flange and the motor face are in contact. When mounting is complete check by manually rotating the fan to be sure the assembly turns freely.

☐

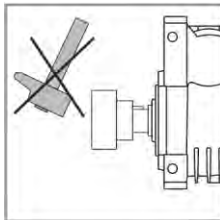
In applications where multiple starts, stops or reverses occur, it is recommended to glue the fastening bolts of the output flange and feet

☐

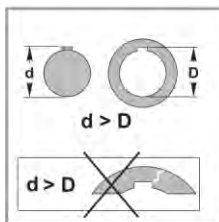
Mount the reducer on a flat surface free of vibrations. If high overhung loads are expected, it is advisable to reinforce the bolts with washers as illustrated.

☐

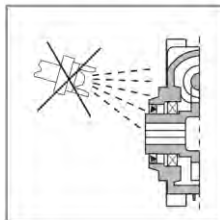
Make sure that the mounting of pulleys or pinions does not create over hung loads exceeding the capacity of the reducer.

☐

When mounting pinions, pulleys or couplings on the reducers shaft, protect the bearings from impact by using the appropriate pullers and threaded holes in the end of the reducer shaft.

☐

When mounting items to the reducer shaft, appropriate anti-seize and oxidizer compounds should be used. Also ensure key dimensions are correct.

☐

If the reducer is to be painted, protect machined surfaces and oil seals from over-spray.

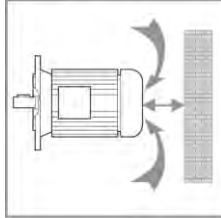
INSTALLATION CHECK LIST



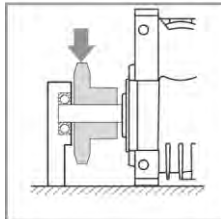
Please Check

☐

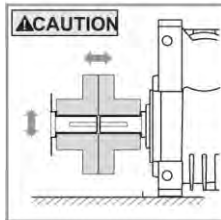

When installed outdoors, make sure protection is provided from the elements.

☐


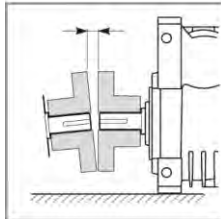
Make sure there is sufficient space between any obstructions and the motors air intake area to provide adequate cooling for the motor.

☐


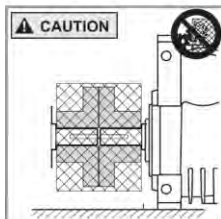
For very heavy radial load, additional output shaft support may be required to prevent premature bearing failure or shaft breakage from bending fatigue.

☐


The system of connected rotating parts must be free from critical speed, torsional or other type vibration, no matter how induced. The responsibility for this system analysis lies with the purchaser of the speed reducer.

☐


Check shaft and coupling alignment. Check proper coupling gap before locking all foundation bolts which should be routinely checked.

☐


For safety, Buyer or User should provide protective guards over all shaft extensions and any moving apparatus mounted thereon. The User is responsible for checking all applicable safety codes in their area and providing suitable guards. Failure to do so may result in bodily harm and/or damage to the equipment.

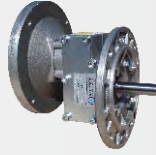
☐


Test run the first unit to verify proper operation.

KELTECH A complete line of Paint free Aluminum solutions



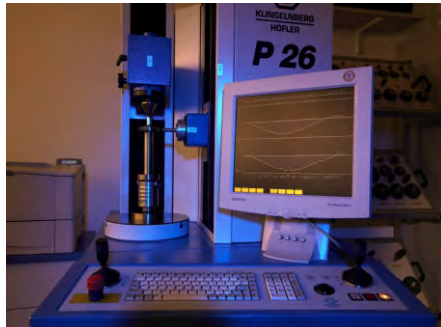
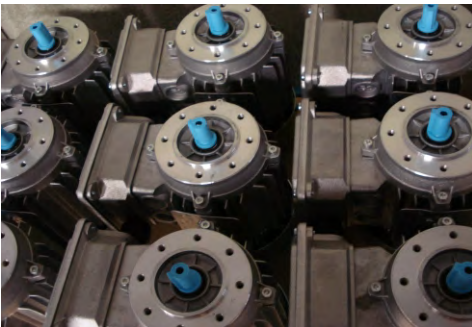
Gearboxes



Ratio Multipliers

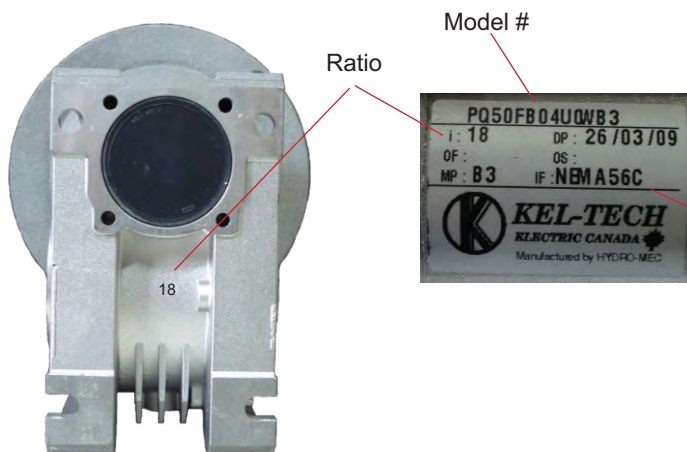


Motors



PRODUCT IDENTIFICATION

WE SHIP ACROSS NORTH AMERICA EVERY DAY
TO SERVE YOU BETTER



Catalogue No. 7001
Effective: 8/1/18

Square Aluminum
Reducers & Motors



HEADQUARTERS
598 King Forest Court
Burlington, ON. Canada

USA Office
TBA

Toll Free 1-877-279-4123
Tel. 905-634-8004
Fax 905-634-3113

[home-page](#)

www.keltechltd.com