

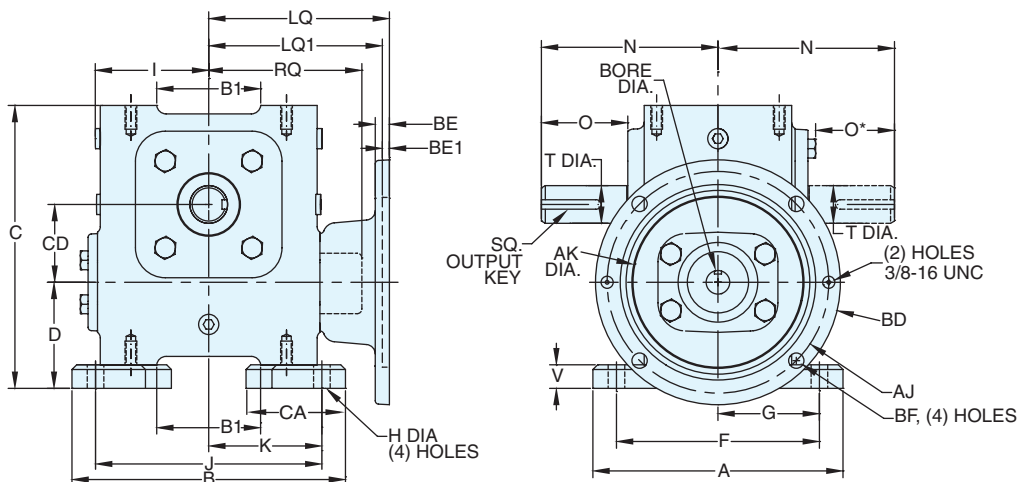
ELECTRA-GEAR

EL SERIES DIMENSIONS

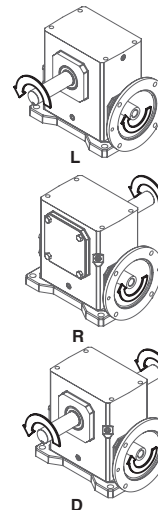
STYLES: UMQ, UM, U

ALUMINUM
EL SERIES

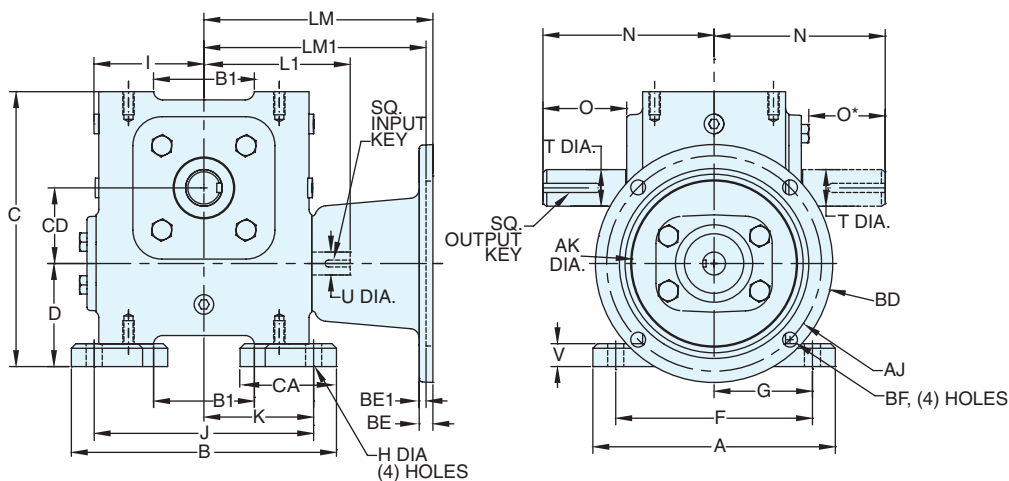
STYLE UMQ



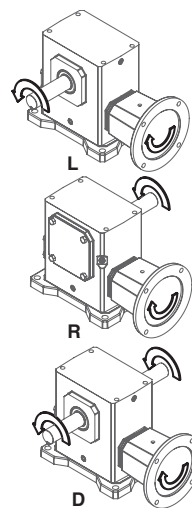
ASSEMBLIES



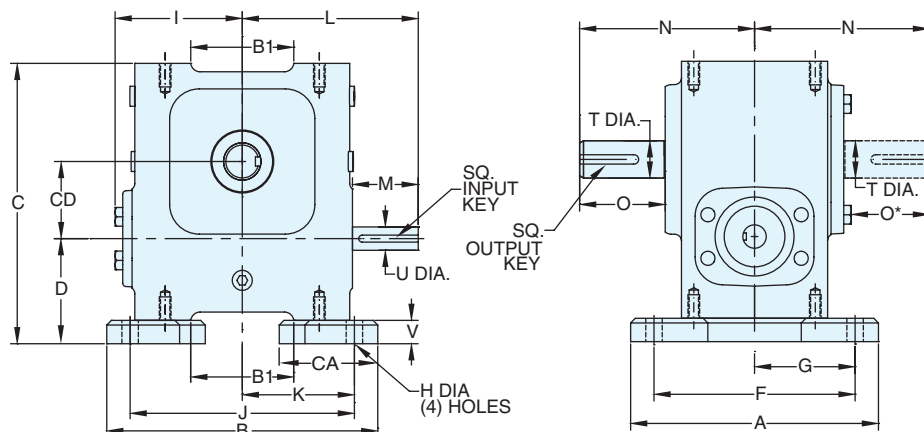
STYLE UM



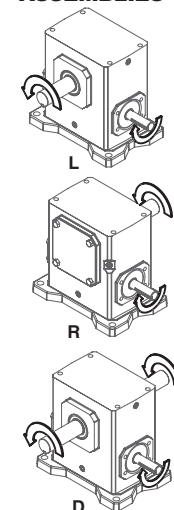
ASSEMBLIES



STYLE U



ASSEMBLIES



REVERSE ALL ARROWS
FOR OPPOSITE INPUT SHAFT
ROTATION. CONTACT FACTORY
FOR OTHER MOUNTINGS OR
ASSEMBLY POSITIONS.

STYLE UMQ, UM, U DIMENSIONS (Inches)

Size	A	B	B1	C	CA	CD	D	F	G	H	I	J	K	L	M	N	O	O*	V	T +0.000 -0.0015	U +0.000 -0.0015	Input Key (Style U only)*	Input Key (Style UM only)*	Output Key
EL813	4.06	5.13	--	5.19	1.56	1.33	2.13	3.31	1.66	0.34	2.40	4.38	2.19	3.82	1.87	4.00	2.16	1.96	0.53	0.625	0.500	1/8 x 1.00	1/8 x 1.00	3/16 x 1.38
EL818	5.19	6.06	2.48	6.42	2.15	1.75	2.37	4.38	2.19	0.38	3.03	5.25	2.63	4.35	1.78	4.39	2.05	1.85	0.56	0.750	0.625	3/16 x 1.38	3/16 x .500	3/16 X 1.38
EL821	6.63	7.25	2.76	7.51	2.66	2.06	2.82	5.38	2.69	0.44	3.40	6.00	3.00	4.71	1.76	4.68	2.29	2.09	0.63	1.000	0.625	3/16 X 1.38	3/16 x .500	1/4 x 1.44
EL824	6.38	7.69	--	7.63	2.59	2.38	2.81	4.88	2.44	0.47	3.61	6.19	3.09	5.51	2.45	5.14	2.66	2.46	0.75	1.125	0.750	3/16 X 1.63	3/16 x .500	1/4 X 1.62
EL826	6.63	8.13	4.21	8.69	2.81	2.63	2.81	5.38	2.69	0.50	4.17	6.88	3.44	6.07	2.45	5.63	2.73	2.53	0.69	1.250	0.750	3/16 x 1.63	3/16 x .500	1/4 X 1.62
EL830	9.00	9.88	4.50	9.69	3.69	3.00	3.19	7.50	3.75	0.56	4.81	8.38	4.19	6.56	2.31	6.62	3.60	3.37	0.75	1.500	0.875	3/16 x 1.63	3/16 x .500	3/8 X 2.25
EL832	9.13	10.88	4.53	11.25	3.69	3.25	4.00	7.63	3.82	0.56	5.00	9.38	4.69	6.75	2.31	6.62	3.60	3.37	0.75	1.625	0.875	3/16 x 1.63	3/16 x .500	3/8 X 2.25
EL842	10.00	10.50	5.71	12.94	3.38	4.25	4.19	8.00	4.00	0.81	6.15	8.50	4.25	9.57	3.47	8.12	4.50	4.22	1.25	1.750	1.250	1/4 x 2.50	1/4 x 2.50	1/2 x 2.50
EL852	10.75	12.13	7.82	13.75	2.50	5.25	4.25	8.75	4.38	0.81	7.55	9.75	4.88	10.88	3.38	9.06	4.78	4.50	1.50	2.000	1.250	1/4 X 3.00	1/4 x 3.00	1/2 x 2.50
EL860	11.75	13.50	--	16.00	4.35	6.00	5.00	9.50	4.75	0.94	7.88	10.50	5.25	10.99	3.00	10.75	5.25	5.25	1.75	2.250	1.500	3/8 x 3.00	3/8 x 2.75	5/8 X 4.00

MOTOR MOUNTING DIMENSIONS

NEMA DIMENSIONS (Inches)

Size	LM 56C/140TC	LM1 180TC / 210TC	L1 56C/140TC	L1 180TC / 210TC	LQ 56C/140TC	LQ1 180TC / 210TC	RQ 56C/140TC	RQ 180TC / 210TC
EL813	6.07	--	3.82	--	3.79	--	3.09	--
EL818	5.89	--	3.64	--	4.42	--	3.59	--
EL821	6.26	--	4.00	--	4.79	--	4.06	--
EL824	6.48	7.30	4.29	4.29	4.77	4.77	4.09	4.09
EL826	7.04	7.86	4.88	4.88	5.33	5.33	4.82	4.82
EL830	7.67	8.31	5.38	5.38	5.97	5.97	5.32	5.32
EL832	7.86	8.50	5.56	5.56	6.16	6.16	5.51	5.51
EL842	11.25	12.53	9.57	9.57	6.45	6.45	6.04	6.04
EL852	12.65	13.93	10.88	10.88	7.85	7.85	7.35	7.35
EL860	--	11.94	10.99	10.99	--	--	--	--

NEMA DIMENSIONS (Inches)

Frame	AJ	AK	BD	BE	BE1	Bore Dia.	Keyway	BF
56C	5.88	4.50	6.50	0.38	N/A	.625	3/16 X 3/32	0.41
140TC	5.88	4.50	6.50	0.38	N/A	.875	3/16 X 3/32	0.41
180TC	7.25	8.50	9.00	N/A	0.50	1.125	1/4 X 1/8	0.53
210TC	7.25	8.50	9.00	N/A	0.50	1.375	5/16 X 5/32	0.53

* Applies to double output shaft

◆ Keyway width by depth

* Solid input shaft and C-faced coupling input reducers have different input shaft length and key.



For safety, purchaser or user should provide protective guards over shaft extensions and any couplings, sheaves and belts, sprockets and chains, etc., mounted thereon.

INTEGRAL GEARMOTOR INPUTS AVAILABLE

— Contact Factory for price and availability.

EL SERIES MOUNTING DIMENSIONS

— EL Series mounting dimensions are the same as the original ELECTRA-GEAR product with an option to match the industry standard dimensions of GR Series.
— See page 52 for GR Series dimensions.

ELECTRA-GEAR INTERCHANGE GUIDE

Original Style	New Style
NOT A	UMQ
STANDARD CATALOGED	UM
OPTION	U

Convert Style U to motorized coupling input using kits shown on page 290.

All dimensions shown are for reference only. Contact Factory for certified dimensions.