

**SERIES 12 SUB-FHP**

**Electrical Specifications:**

Both SCR (90 volt) and Low Voltage (12 volt) right angle gearmotors. The 90 volt motors are performance matched for continuous service over a 60:1 speed range. All have constant torque throughout the speed range when powered by a full-wave, unfiltered SCR-type 115 volt input adjustable speed control having a typical form factor of 1.3 to 1.4. The low voltage motors are also performance matched for continuous duty. Motors are designed for battery power or can be used with a low voltage controller with form factor up to 1.05.



**Mechanical Specifications:**

This worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation. Single-piece die cast aluminum alloy housing is vacuum impregnated with Resinol RT for protection and sealing. This gearbox combines light weight with high tensile strength along with being precision machined for alignment of bearings and gearing. For optimum seal life, we use high-temperature Nitrile seals. Gearbox provided with solid output shaft, but can be converted to a hollow output shaft mounting by using snap-ring pliers and remove the snap ring and solid output shaft. Also the T-base feet are bolted to the gearbox, but can easily be removed and converted to face mounting.



**RIGHT-ANGLE DC • SCR 90 VOLT RATED  
TEFC • 1.0 SERVICE FACTOR**

Input HP	F.L. Torque (In.-Lbs.)	Output RPM	Catalog Number	Enclosure	Gearmotor Type & Frame	Ratio to 1	Arm Volts DC	Full Load Amps. DC
1/8*	125	28	M1135292	TENV	12B60-34D	61	90	1.6
1/8*	87	45	M1135291	TENV	12B39-34D	39	90	1.6
1/4	158	58	M1135290	TEFC	12B30-34G	30	90	2.8
1/4	100	90	M1135289	TEFC	12B19-34G	19	90	2.6
1/4	85	115	M1135288	TEFC	12B15-34G	15	90	2.6
1/4	61	167	M1135287	TEFC	12B11-34G	10.6	90	2.6
1/4	46	250	M1135286	TEFC	12B7-34G	7	90	2.6

\* Supplied with TENV motor enclosure

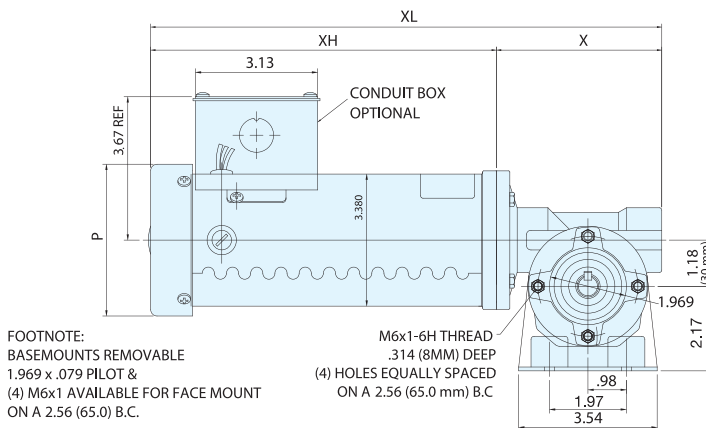
**RIGHT-ANGLE DC • LOW VOLTAGE (12V)  
TENV • 1.0 SERVICE FACTOR**

Input HP	F.L. Torque (In.-Lbs.)	Output RPM	Catalog Number	Enclosure	Gearmotor Type & Frame	Ratio to 1	Arm Volts DC	Full Load Amps. DC
1/8	134	27	M1135285	TENV	12B60-34C	61	12	14
1/8	94	45	M1135284	TENV	12B39-34C	39	12	15
1/4	158	58	M1135297	TENV	12B30-34F	30	12	24
1/4	100	90	M1135296	TENV	12B19-34F	19	12	24
1/4	85	115	M1135295	TENV	12B15-34F	15	12	23
1/4	61	167	M1135294	TENV	12B11-34F	10.6	12	21
1/4	46	250	M1135293	TENV	12B7-34F	7	12	23

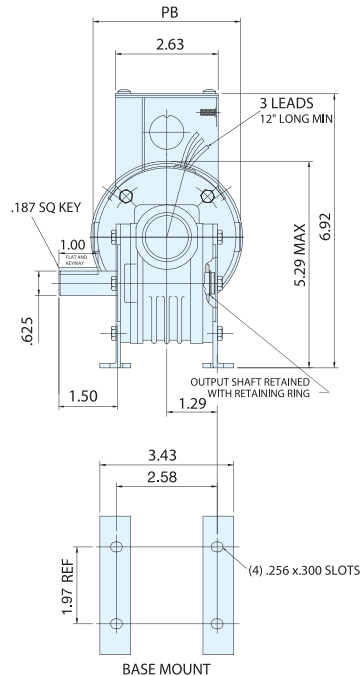
**NOTES:**

1. Conduit box not supplied with the gearmotor. Mounting provisions are provided and can use conduit box kit catalog number M1760007 found in the stock motor catalog (1050).
2. For solid double output shaft, consult factory.

Bravo®  
Accessory Kits



FOOTNOTE:  
BASEMOUNTS REMOVABLE  
1.969 x .079 PILOT &  
(4) M6x1 AVAILABLE FOR FACE MOUNT  
ON A 2.56 (65.0) B.C.



**SCR 90 VOLT RATED  
DIMENSIONS (INCHES)**

P	X	XL	XH	PB
3.38	4.32	11.07	6.75	4.00
3.38	4.32	11.07	6.75	4.00
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76

**LOW VOLTAGE (12V)  
DIMENSIONS (INCHES)**

P	X	XL	XH	PB
3.38	4.32	10.57	6.25	4.21
3.38	4.32	10.57	6.25	4.21
3.38	4.32	10.57	6.25	4.21
3.38	4.32	11.82	7.5	4.21
3.38	4.32	11.82	7.5	4.21
3.38	4.32	11.82	7.5	4.21
3.38	4.32	11.82	7.5	4.21
3.38	4.32	11.82	7.5	4.21