



SUB-FHP DC GEARMOTORS

OFF-SET SHAFT GEARMOTORS

SCR RATED:
130-268 In-Lbs Torque

LOW VOLTAGE:
130-268 In-Lbs Torque

Electrical Specifications:

SCR Rated Gearmotors

Totally enclosed, permanent magnet DC gearmotors, performance matched for continuous duty service over a 60:1 speed range. All have constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4.

Low Voltage Gearmotors

Totally enclosed, permanent magnet DC gearmotors, 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:

Precision machined steel gears, with a first stage steel helical gear followed by spur-type gears. Lubrication is permanent semi-fluid grease, reducing possibility of leakage. Output shafts have needle bearings for high load capacities. Shafts are hardened steel.

Conduit box *not* included with motor. Optional conduit box shown on page 179.

Application Notes:

These gearmotors are designed for mounting at any angle, but shaft up with motor below should be avoided to prevent leakage of lubricant into the motor should the motor's shaft seal fail.

Overhung load capacities shown are at center of output shaft.

The motor's stall torque exceeds recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage.



OS300 SERIES DC • SCR RATED OFF-SET SHAFT • TENV • 1.0 SERVICE FACTOR

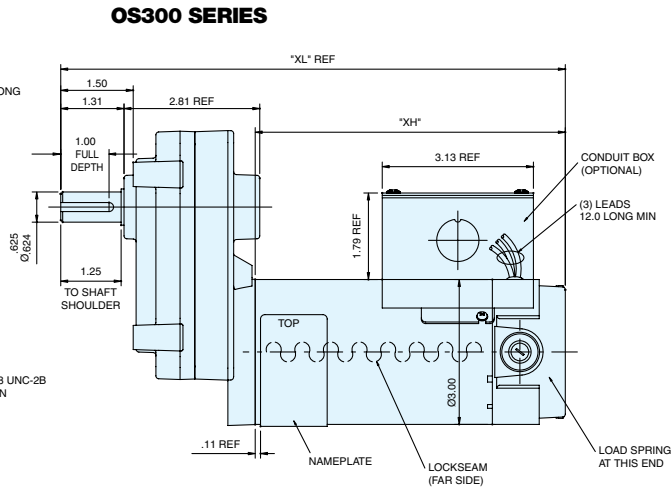
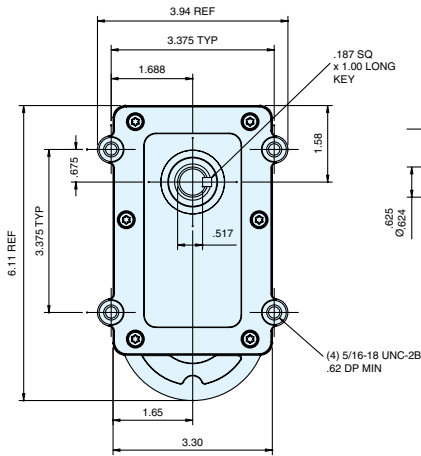
Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Gearmotor Type & Frame	Ratio	Arm Volts DC	F.L. Amps DC	Overhung Load Lbs.	P	DIMENSIONS Inches		
										X	XL	XH
9	268	1/20	M1125251.00 A	OS303-30	210	90	.54	474	3.00	2.81	4.50	8.52
19	150	1/20	M1125250.00 A	OS303-30	103	90	.56	385	3.00	2.81	4.50	8.52
24	280	1/8	M1125249.00 A	OS303-30	76	90	1.3	353	3.00	2.81	6.42	10.45
31	220	1/8	M1125248.00 A	OS303-30	58	90	1.4	327	3.00	2.81	6.42	10.45
51	130	1/8	M1125247.00	OS303-30	35	90	1.4	277	3.00	2.81	6.42	10.45

OS300 SERIES DC • LOW VOLTAGE (12V) OFF-SET SHAFT • TENV • 1.0 SERVICE FACTOR

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Gearmotor Type & Frame	Ratio	Arm Volts DC	F.L. Amps DC	Overhung Load Lbs.	P	DIMENSIONS Inches		
										X	XL	XH
9	268	1/20	M1125256.00 A	OS303-30	210	12	4.5	474	3.00	2.81	4.50	8.52
18	150	1/20	M1125255.00 A	OS303-30	103	12	5.0	385	3.00	2.081	4.50	8.52
24	280	1/8	M1125254.00 A	OS303-30	76	12	10.6	353	3.00	2.81	6.42	10.45
31	220	1/8	M1125253.00 A	OS303-30	58	12	10.6	327	3.00	2.81	6.42	10.45
51	130	1/8	M1125252.00	OS303-30	35	12	10.3	277	3.00	2.81	6.42	10.45

A Subject to Availability.

GEARMOTORS



ALL DIMENSIONS IN INCHES