

### MRIG/M66CE Series - Geared DC Motor

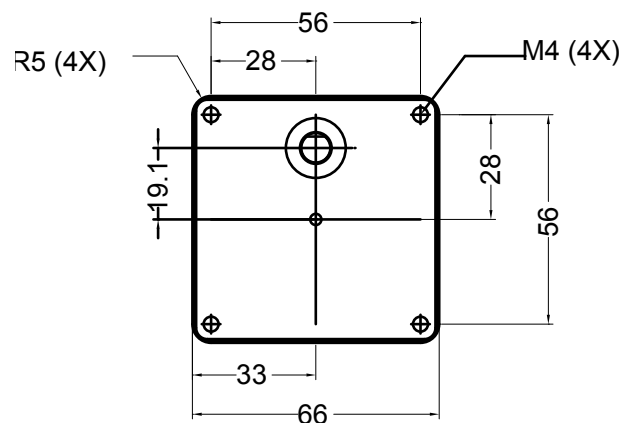
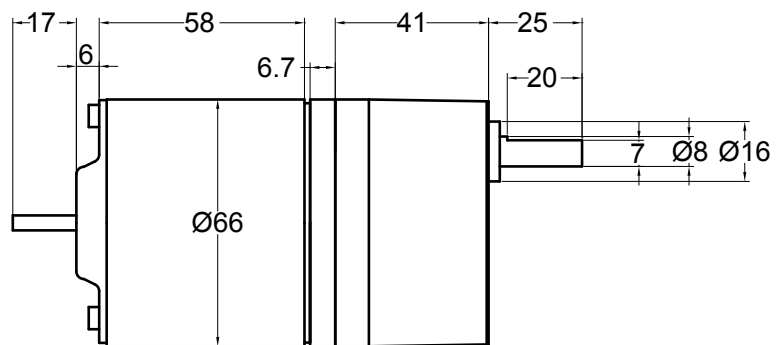
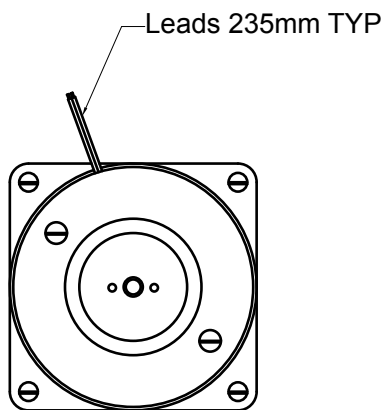
MRIG geared dc servo motors are ideally suited to light industrial applications where a combination of high strength and accurate control is required. The M66 motors utilise a skew wound ironless rotor construction and high strength magnets to provide smooth low speed operation.

- Low inertia dc servo motor allows for smooth operation
- Both 12V and 24V versions available from stock
- Precision gear head incorporating metal gears for optimum torque transmission
- Wide range of standard gear ratio options available from stock for increased resolution and torque
- Ball Race output bearings available on request



#### Outline dimensions (mm)

##### MRIG/M66CT



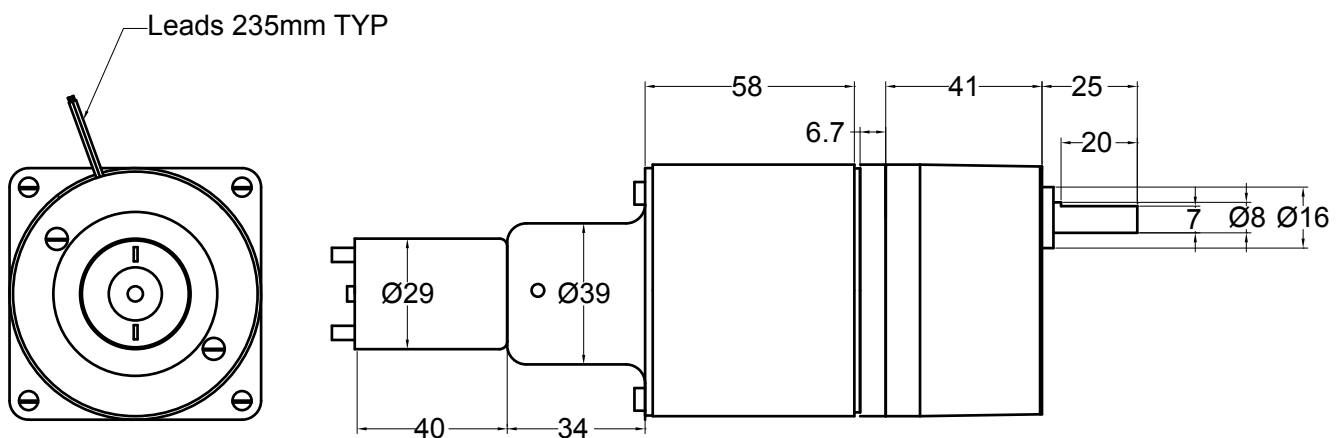


## Typical Performance

Geared Motor Code 12 V DC Motor	Ratio	Rated Speed rpm	Rated Torque Ncm	Peak Torque Ncm	Efficiency %
M66CE12/MRIG02-S	5:1	340	28	57	72
M66CE12/MRIG06-S	25:2	136	72	144	72
M66CE12/MRIG11-S	25:1	68	130	260	65
M66CE12/MRIG17-S	50:1	34	260	500	65
M66CE12/MRIG22-S	100:1	17	464	600	58
M66CE12/MRIG23-S	125:1	13.6	580	650	58
M66CE12/MRIG27-S	250:1	6.8	1040	700	52
M66CE12/MRIG34-S	500:1	3.4	2080	700	52

Geared Motor Code 24 V DC Motor	Ratio	Rated Speed rpm	Rated Torque Ncm	Peak Torque Ncm	Efficiency %
M66CE24/MRIG02-S	5:1	320	32	97	72
M66CE24/MRIG06-S	25:2	120	81	243	72
M66CE24/MRIG11-S	25:1	60	146	400	65
M66CE24/MRIG17-S	50:1	30	292	500	65
M66CE24/MRIG22-S	100:1	15	522	600	58
M66CE24/MRIG23-S	125:1	12	653	650	58
M66CE24/MRIG27-S	250:1	6	1170	700	52
M66CE24/MRIG34-S	500:1	3	2340	700	52

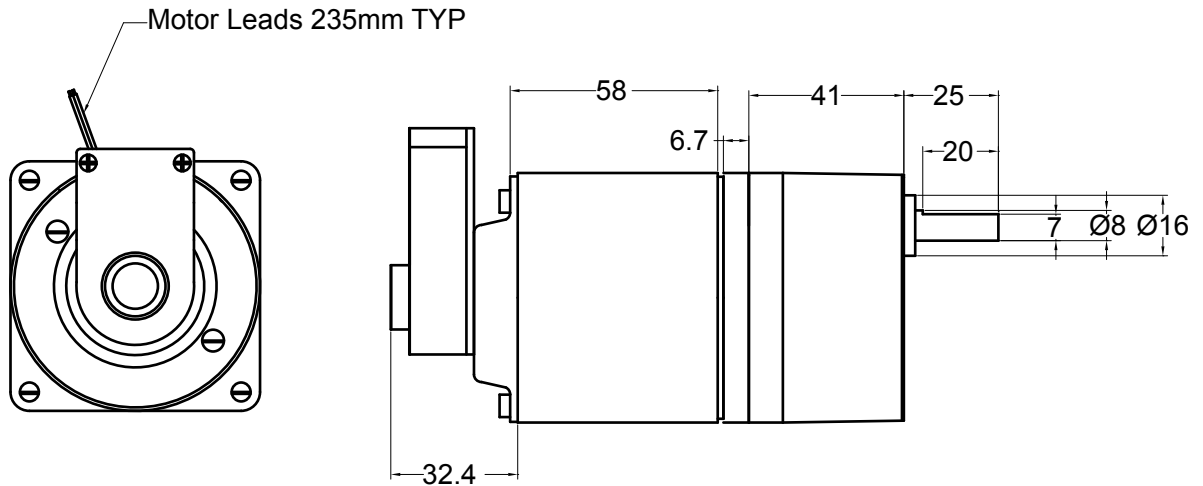
### MRIG/M66CT with Tacho



Model		M66C12 T3	M66C24 T3	M66C24 T6
Nominal Voltage	V DC	12	24-30	24-30
Motor Specification		As above		
Tacho specification		T3		T6
Voltage constant	V/1000rpm	3.25		6.50
Average ripple	Peak/peak	3%		
Ripple frequency	Per rev	18 cycles		
Rotor Resistance	Ohms	12		47
Max continuous speed	rpm	3000		

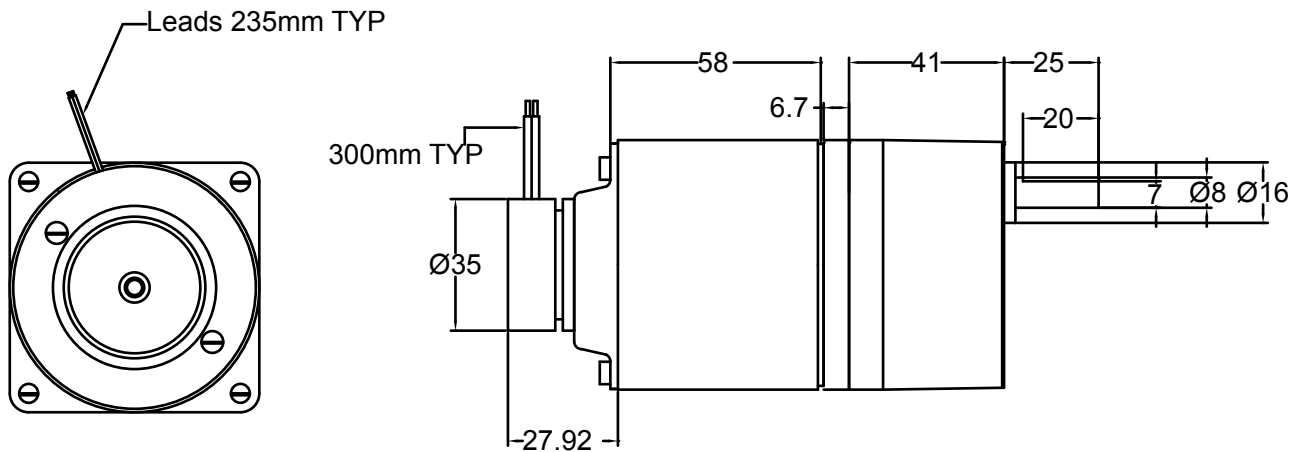


## MRIG/M66CI with Encoder



Model		M66CI...L-12	M66CI...L-24
Nominal Voltage	V DC	12	24-30
Motor specification		As above	
Encoder type		CI...L	
Supply	V DC	5 +/-0.5	
Max. Output signal	V DC	5	
Signal wave form		Square	
Output Circuit		RS422	
Output Configuration		Dual Track + Index	
Resolution	Lines	100 or 500 Standard (others available on request)	

## MRIG/M66CDB with Parking Brake



Model		M66CE-12 DB12/24	M66CE-24 DB12/24
Nominal Voltage	V DC	12	24-30
Motor specification		As above	
Brake Type		DB12	DB24
Supply	V DC	12	24
Operating Current	Amps	<0.50	0.22
Min. Pull-in Voltage	V DC	<10	18
Max. Drop-out Voltage	V DC	>6	8
Holding Torque	Ncm	10	10