



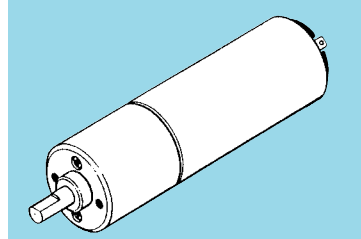
■ 6 VOLTS

■ 16 mm DIAMETER

### MOTOR SPECIFICATIONS:

- Rated Voltage – 6V
- Rated Torque – 0.49 N • mm
- Rated Speed – 4750 rpm
- Rated Current – 65 mA
- No Load Speed – 5900 rpm
- No Load Current – 15 mA
- Weight – 24 g
- Rated Output – 0.24W
- Operating Temperature – -10°C to +60°C

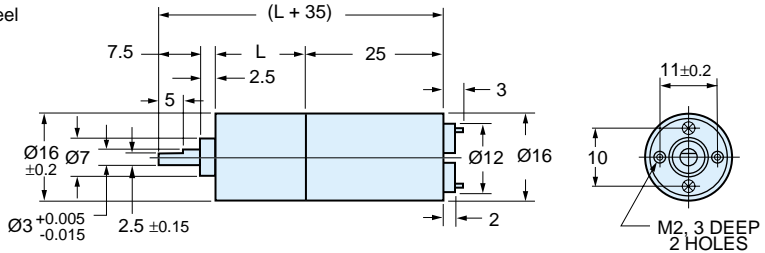
For replacement gearheads, see A 2G16M... Series.



The projections shown are per ISO convention.

### MATERIAL:

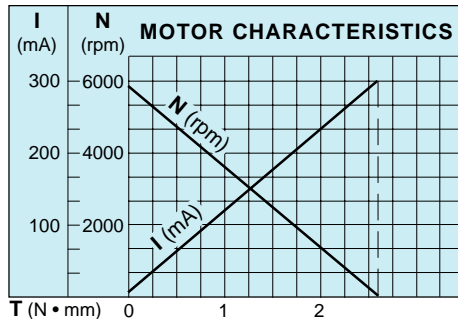
- Housing – Stainless Steel
- Shafts – Steel
- Gears – Steel
  - Input – Acetal
- Bearings – Bronze



*Catalog Number	Ratio to 1	L	Rated Torque N • mm (oz. in.)	Speed rpm	
				Rated	No Load
D33S16M2530010	10.24		2.9 (.42)	476	576
D33S16M2530019	19.36	14.75	5.9 (.85)	249	305
D33S16M2530030	29.9		9.8 (1.4)	158	197
D33S16M2530042	41.53		9.8 (1.4)	122	142
D33S16M2530050	50.32	14.75	14.7 (2.1)	97	117
D33S16M2530063	62.66		19.6 (2.8)	76	94
D33S16M2530103	102.59		24.5 (3.5)	47	58
D33S16M2530157	156.52	17.05	39.2 (5.5)	31	38
D33S16M2530208	208.03		49 (6.9)	23	28
D33S16M2530258	257.57		49 (6.9)	20	23
D33S16M2530366	365.94		49 (6.9)	15	16
D33S16M2530540	539.82	17.05	49 (6.9)	10	11

\*Will be discontinued when present stock is depleted.

Same gearhead with different motor is offered as D33S57M25H... or D33S16M258...Series. See Index.





# METRIC

## Medium-Duty D.C. Gearmotors - Size 16

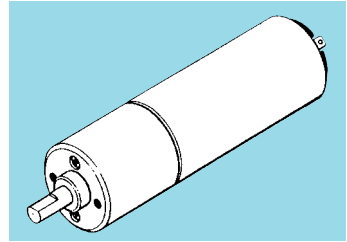
■ 6 VOLTS

■ 16 mm DIAMETER

### MOTOR SPECIFICATIONS:

- Rated Voltage – 6V
- Rated Torque – 0.59 N • mm
- Rated Speed – 9090 rpm
- Rated Current –  $\leq 156$  mA
- No Load Speed – 11000 rpm
- No Load Current –  $\leq 35$  mA
- Weight – 24 g
- Rated Output – 0.54W
- Operating Temperature –  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$

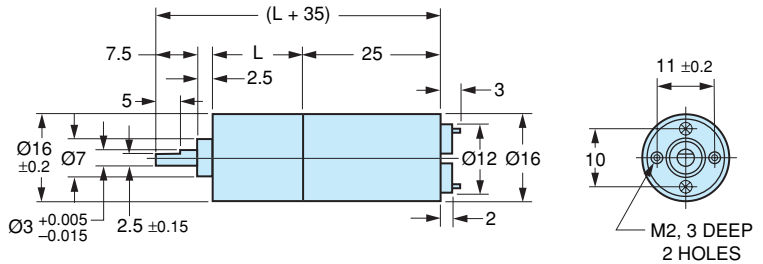
For replacement gearheads, see **A 2G16M...** Series.



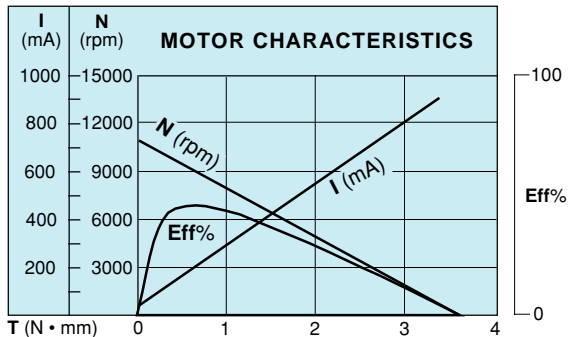
The projections shown are per ISO convention.

### MATERIAL:

- Housing – Stainless Steel
- Shafts – Steel
- Gears – Steel
  - Input – Acetal
- Bearings – Bronze



Catalog Number	Ratio to 1	L	Rated Torque N • mm (oz. in.)	Speed rpm	
				Rated	No Load
D33S57M25H0010	10.24	14.75	3.9 (.56)	886	1074
D33S57M25H0019	19.36		7.4 (1.1)	470	568
D33S57M25H0030	29.9		9.8 (1.4)	313	368
D33S57M25H0042	41.53	14.75	14.7 (2.1)	222	265
D33S57M25H0050	50.32		14.7 (2.1)	189	219
D33S57M25H0063	62.66		19.6 (2.8)	150	176
D33S57M25H0103	102.59	17.05	29.4 (4.2)	90	107
D33S57M25H0157	156.52		44 (6.2)	59	70
D33S57M25H0208	208.03		49 (6.9)	46	53
D33S57M25H0258	257.57	17.05	49 (6.9)	38	43
D33S57M25H0366	365.94		28	30	
D33S57M25H0540	539.82		19	20	





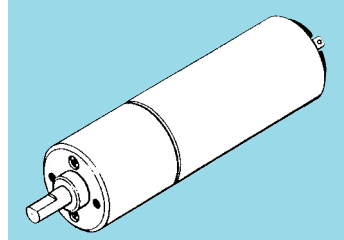
■ 6 VOLTS

■ 16 mm DIAMETER

**MOTOR SPECIFICATIONS:**

- Rated Voltage – 6V
- Rated Torque – 1.96 N • mm
- Rated Speed – 6891 rpm
- Rated Current – ≤ 344 mA
- No Load Speed – 9150 rpm
- No Load Current – ≤ 20 mA
- Rated Output – 1.34W
- Operating Temperature – -10°C to +60°C

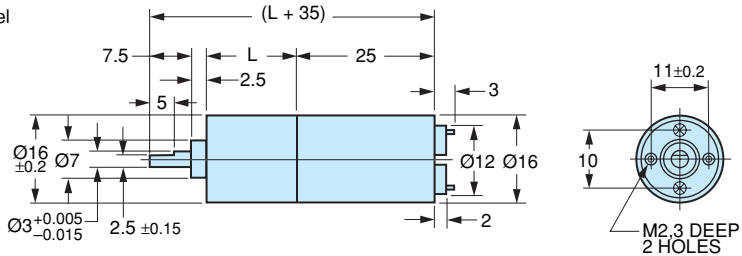
For replacement gearheads, see **A 2G16M...** Series.



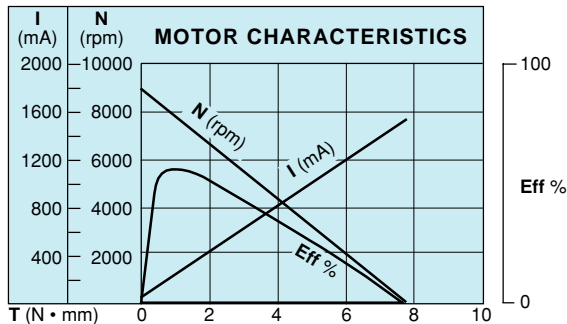
The projections shown are per ISO convention.

**MATERIAL:**

- Housing – Stainless Steel
- Shafts – Steel
- Gears – Steel
  - Input – Acetal
- Bearings – Bronze



Catalog Number	Ratio to 1	L	Rated Torque N • mm (oz. in.)	Speed rpm	
				Rated	No Load
D33S16M2580010	10.24	14.75	9.8 (1.39)	713	879
D33S16M2580019	19.36		9.8 (1.39)	418	465
D33S16M2580030	29.9		19.6 (2.8)	262	301
D33S16M2580042	41.53	14.75	19.6 (2.8)	197	217
D33S16M2580050	50.32		29.4 (4.7)	158	179
D33S16M2580063	62.66		29.4 (4.7)	130	144
D33S16M2580103	102.59	17.05	49 (6.9)	77	88
D33S16M2580157	156.52		49 (6.9)	53	58
D33S16M2580208	208.03		49 (6.9)	41	43
D33S16M2580258	257.57	17.05	49 (6.9)	93	35
D33S16M2580366	365.94		24	25	
D33S16M2580540	539.82		16	17	





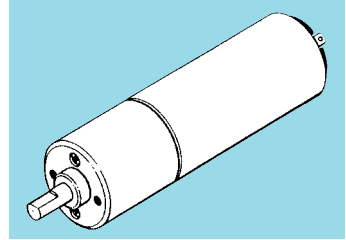
■ 12 VOLTS

■ 16 mm DIAMETER

### MOTOR SPECIFICATIONS:

- Rated Voltage – 12V
- Rated Torque – 0.49 N • mm
- Rated Speed – 6571 rpm
- Rated Current – ≤ 49 mA
- No Load Speed – 8100 rpm
- No Load Current – ≤ 12 mA
- Weight – 24 g
- Rated Output – 0.33W
- Operating Temperature – -10°C to +60°C

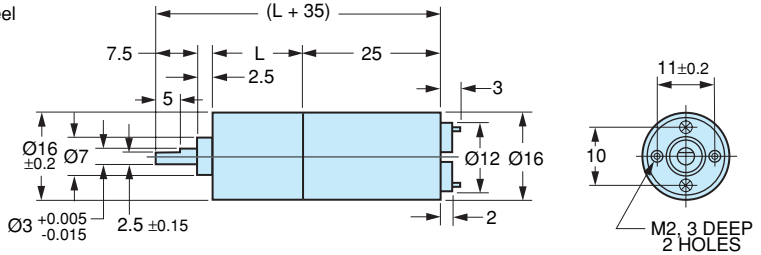
For replacement gearheads, see A 2G16M... Series.



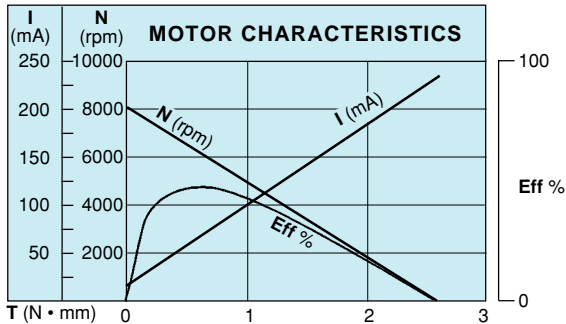
The projections shown are per ISO convention.

### MATERIAL:

- Housing – Stainless Steel
- Shafts – Steel
- Gears – Steel
  - Input – Acetal
- Bearings – Bronze



Catalog Number	Ratio to 1	L	Rated Torque N • mm (oz. in.)	Speed rpm	
				Rated	No Load
D33S16M2540010	10.24	14.75	2.9 (.42)	661	791
D33S16M2540019	19.36		5.9 (.83)	346	418
D33S16M2540030	29.9		9.3 (1.3)	223	271
D33S16M2540042	41.53	14.75	9.8 (1.4)	169	195
D33S16M2540050	50.32		14.7 (2.1)	134	161
D33S16M2540063	62.66		19.6 (2.8)	106	129
D33S16M2540103	102.59	17.05	24.5 (3.5)	66	79
D33S16M2540157	156.52		39.2 (5.5)	43	52
D33S16M2540208	208.03		49 (6.9)	32	39
D33S16M2540258	257.57	17.05	49 (6.9)	27	31
D33S16M2540366	365.94		20	22	
D33S16M2540540	539.82		14	15	





■ 12 VOLTS

■ 16 mm DIAMETER

### MOTOR SPECIFICATIONS:

Rated Voltage – 12V

Rated Torque – 1.96 N • mm

Rated Speed – 7261 rpm

Rated Current – ≤ 168 mA

No Load Speed – 8800 rpm

No Load Current – ≤ 12 mA

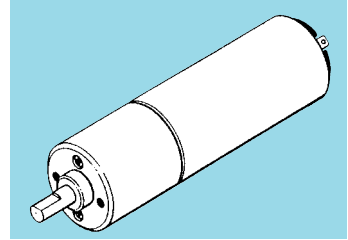
Weight – 38 g

Rated Output – 1.44W

Operating Temperature – -10°C to +60°C

The projections shown are per ISO convention.

For replacement gearheads,  
see A 2G16M... Series.



### MATERIAL:

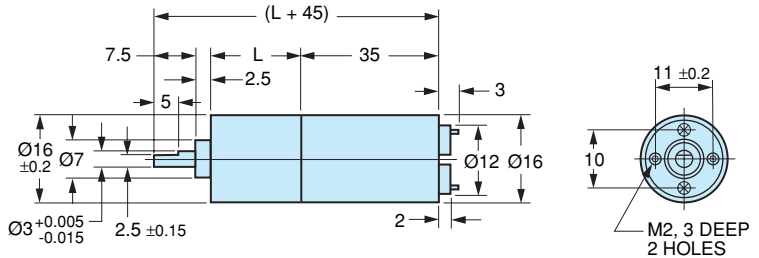
Housing – Stainless Steel

Shafts – Steel

Gears – Steel

– Input – Acetal

Bearings – Bronze



Catalog Number	Ratio to 1	L	Rated Torque N • mm (oz. in.)	Speed rpm	
				Rated	No Load
D33S57M35H0010	10.24	14.75	9.8 (1.4)	744	859
D33S57M35H0019	19.36			422	455
D33S57M35H0030	29.9	14.75	19.6 (2.8)	267	294
D33S57M35H0042	41.53			198	212
D33S57M35H0050	50.32	14.75	29.4 (4.2)	161	175
D33S57M35H0063	62.66			131	140
D33S57M35H0103	102.59	17.05	49 (6.9)	79	86
D33S57M35H0157	156.52			53	56
D33S57M35H0208	208.03	17.05	49 (6.9)	41	42
D33S57M35H0258	257.57			33	34
D33S57M35H0366	365.94	17.05	49 (6.9)	23	24
D33S57M35H0540	539.82			16	16.3

