



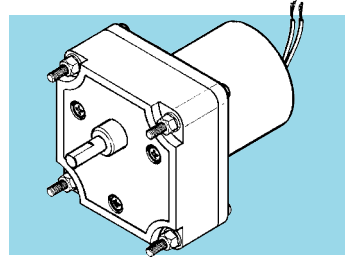
■ 12 VOLTS

■ 60 mm SQUARE HOUSING

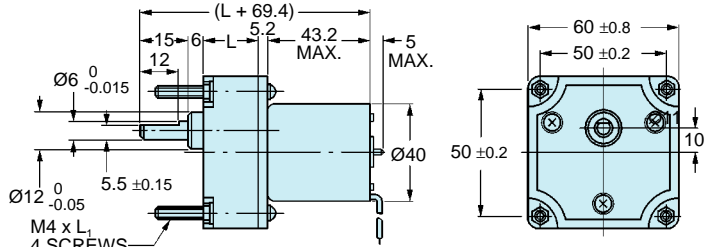
MOTOR SPECIFICATIONS:

- Rated Voltage – 12V
- Rated Torque – 14.72 N • mm
- Rated Speed – 2560 rpm
- Rated Current – ≤ 520 mA
- No Load Speed – 3310 rpm
- No Load Current – ≤ 30 mA
- Weight – 240 g
- Rated Output – 3.84W
- Operating Temp. – -10°C to $+60^{\circ}\text{C}$

For replacement gearheads, see A 2G25M.... Series



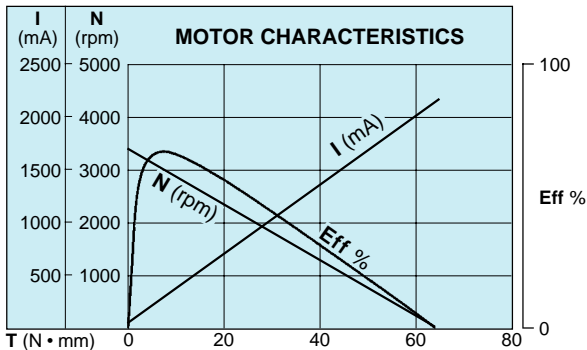
The projections shown are per ISO convention.



- MATERIAL:**
- Housing – Aluminum
 - Shafts & Gears – Steel
 - Bearings – Bronze

Catalog Number	Ratio to 1	L	L ₁ Screw Length	Rated Torque N • mm (oz. in.)	Speed rpm	
					Rated	No Load
D33S54MFST0006D	6	19	35	68.7 (9.7)	432	552
D33S54MFST0008D	7.5			88.3 (12.5)	343	441
D33S54MFST0010D	10	19	35	117.7 (16.7)	257	331
D33S54MFST0020D	20			245 (34.7)	127	166
D33S54MFST0030D	30	21.5	35	313.9 (44.4)	86	110
D33S54MFST0040D	40			392 (55.6)	66	82
D33S54MFST0050D	50	21.5	35	540 (76.4)	51	66
D33S54MFST0060D	60			637.4 (90.3)	43	55
D33S54MFST0100D	100	24	40	981 (139)	26	33
D33S54MFST0120D	120			19	22	
D33S54MFST0150D	150	24	40	981 (139)	19	22
D33S54MFST0180D	180			16	18	

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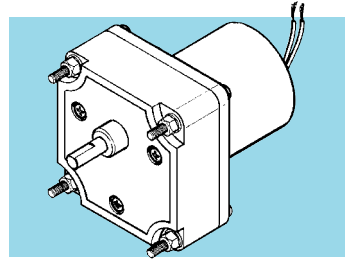
■ 12 VOLTS

■ 60 mm SQUARE HOUSING

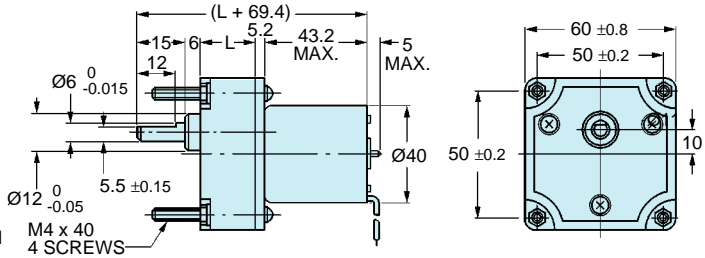
MOTOR SPECIFICATIONS:

- Rated Voltage – 12V
- Rated Torque – 14.72 N • mm
- Rated Speed – 2560 rpm
- Rated Current – ≤ 520 mA
- No Load Speed – 3310 rpm
- No Load Current – ≤ 30 mA
- Weight – 240 g
- Rated Output – 3.84W
- Operating Temp. – -10°C to +60°C

For replacement gearheads,
see **A 2G25M....** Series



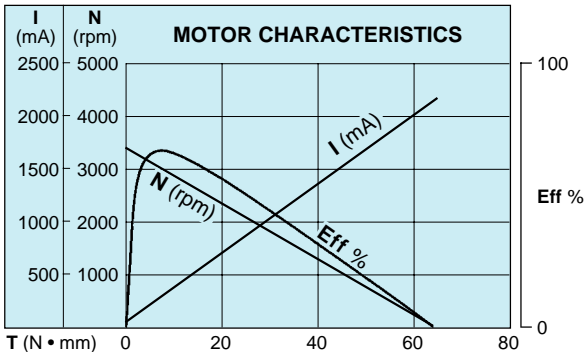
The projections shown are per ISO convention.



MATERIAL:

- Housing – Aluminum
- Shafts & Gears – Steel
- Bearings – Bronze

Catalog Number	Ratio to 1	L	Rated Torque N • mm (oz. in.)	Speed rpm	
				Rated	No Load
D33S54MFST0200D	200	24	981 (139)	15	17
D33S54MFST0250D	250			13	14
D33S54MFST0300D	300			10.2	11
D33S54MFST0360D	360	24	981 (139)	8.6	9.2
D33S54MFST0450D	450			6.9	7.4
D33S54MFST0500D	500			6.3	6.6
D33S54MFST0750D	750	26.5	981 (139)	4.3	4.4
D33S54MFST0900D	900			3.6	3.7
D33S54MFST1000D	1000			3.2	3.3
D33S54MFST1200D	1200	26.5	981 (139)	2.85	2.9
D33S54MFST1500D	1500			2.29	2.3
D33S54MFST1800D	1800			1.81	1.84
D33S54MFST2000D	2000			1.63	1.66



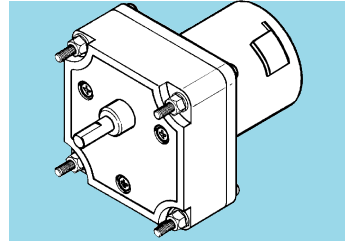


■ 12 VOLTS ■ HIGH-SPEED ■ 60 mm SQUARE HOUSING

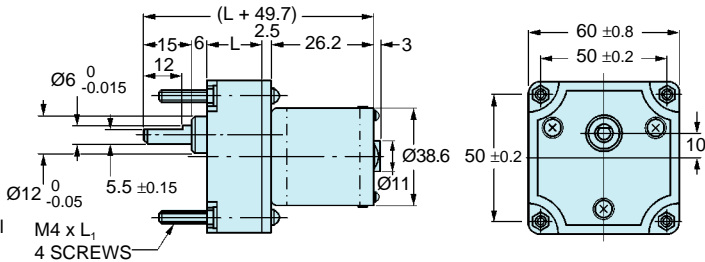
MOTOR SPECIFICATIONS:

- Rated Voltage – 12V
- Rated Torque – 9.81 N • mm
- Rated Speed – 3750 rpm
- Rated Current – ≤ 650 mA
- No Load Speed – 4850 rpm
- No Load Current – ≤ 91 mA
- Weight – 100 g
- Rated Output – 3.75W
- Operating Temperature – -10°C to +60°C

For replacement gearheads, see A 2G25M.... Series.



The projections shown are per ISO convention.

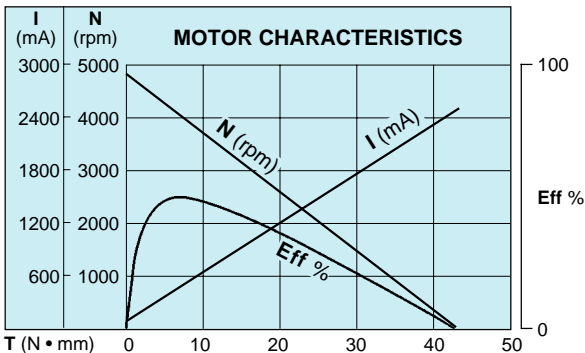


MATERIAL:

- Housing – Aluminum
- Shafts & Gears – Steel
- Bearings – Bronze

Catalog Number	Ratio to 1	L	L ₁ Screw Length	Rated Torque N • mm (oz. in.)	Speed rpm	
					Rated	No Load
D33S54ME380006D	6	19	35	44.1 (6.3)	639	808
D33S54ME380008D	7.5			68.6 (9.7)	490	647
D33S54ME380010D	10	19	35	78.5 (11.1)	376	485
D33S54ME380020D	20			147.2 (20.8)	182	242
D33S54ME380030D	30	21.5	35	206.1 (29.2)	127	162
D33S54ME380040D	40			294.2 (41.7)	94	121
D33S54ME380050D	50	21.5	35	343.4 (48.6)	73	97
D33S54ME380060D	60			421.8 (59.7)	63	81
D33S54ME380100D	100	24	40	716.1 (101)	38	49
D33S54ME380120D	120			32	40	
D33S54ME380150D	150	24	40	971 (137)	25	32
D33S54ME380180D	180			22	27	

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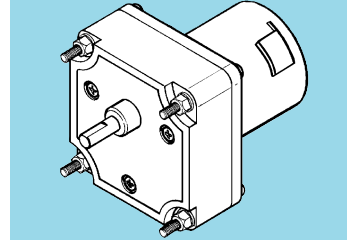


- 12 VOLTS
- HIGH-SPEED
- 60 mm SQUARE HOUSING

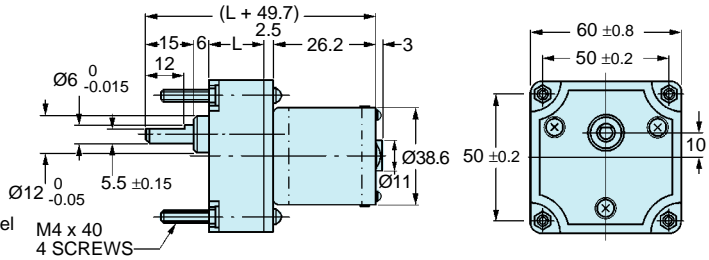
MOTOR SPECIFICATIONS:

- Rated Voltage – 12V
- Rated Torque – 9.81 N • mm
- Rated Speed – 3750 rpm
- Rated Current – ≤ 650 mA
- No Load Speed – 4850 rpm
- No Load Current – ≤ 91 mA
- Weight – 100 g
- Rated Output – 3.75W
- Operating Temperature – -10°C to +60°C

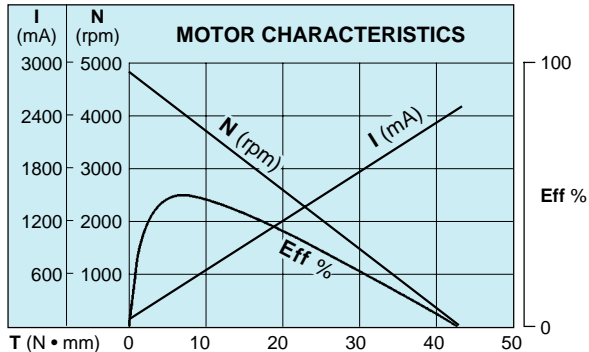
For replacement gearheads, see A 2G25M.... Series.



The projections shown are per ISO convention.



Catalog Number	Ratio to 1	L	Rated Torque N • mm (oz. in.)	Speed rpm	
				Rated	No Load
D33S54ME380200D	200			20	24
D33S54ME380250D	250	24	981 (139)	16	19.4
D33S54ME380300D	300			14	16
D33S54ME380360D	360			12	13
D33S54ME380450D	450	24	981 (139)	9.3	10.8
D33S54ME380500D	500			9	9.7
D33S54ME380750D	750			6.1	6.5
D33S54ME380900D	900	26.5	981 (139)	4.9	5.4
D33S54ME381000D	1000			4.7	4.9
D33S54ME381200D	1200			3.5	4
D33S54ME381500D	1500			3.1	3.2
D33S54ME381800D	1800	26.5	981 (139)	2.6	2.7
D33S54ME382000D	2000			2.4	2.4





METRIC

Heavy-Duty D.C. Gearmotors - Size 60

■ 12 VOLTS

■ 60 mm SQUARE HOUSING

■ HIGH TORQUE

MOTOR SPECIFICATIONS:

Rated Voltage – 12V

Rated Torque – 29.43 N • mm

Rated Speed – 3800 rpm

Rated Current – ≤ 2145 mA

No Load Speed – 5300 rpm

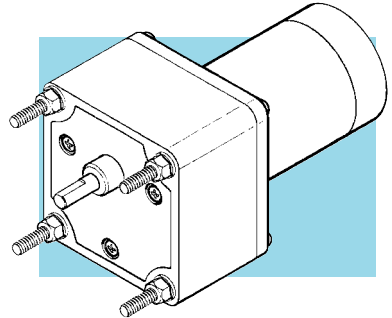
No Load Current – ≤ 250 mA

Weight – 290 g

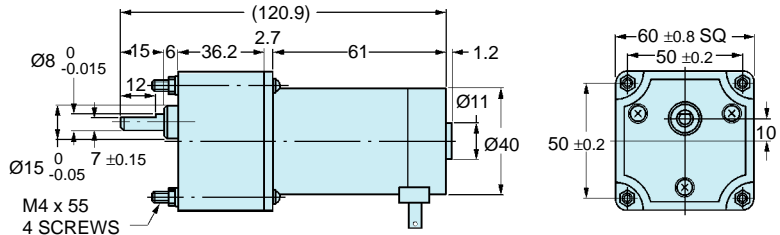
Rated Output – 11.7W

Operating Temp. – -10°C to +60°C

For replacement gearheads, see A 2G30MD..... Series.



The projections shown are per ISO convention.



MATERIAL:

Housing – Aluminum

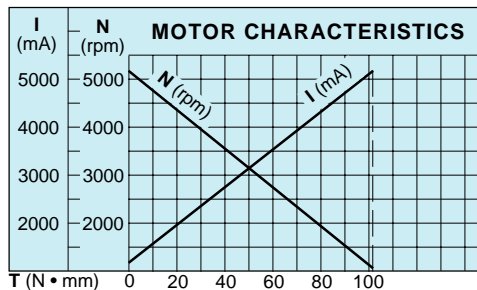
Shafts & Gears – Steel

Bearings – Bronze

* Catalog Number	Ratio to 1	Rated Torque N • mm (oz. in.)	Speed rpm	
			Rated	No Load
D33S57M54D020	20	440 (62)	188	265
D33S57M54D030	30	640 (91)	127	177
D33S57M54D060	60	1180 (167)	63	88
D33S57M54D090	90	1770 (251)	42	59
D33S57M54D140	140	1960 (277)	30	38
D33S57M54D160	160	1960 (277)	27	33

*Will be discontinued when present stock is depleted.

Same gearhead with different motor is offered as D33S54MFST...D series. See index.





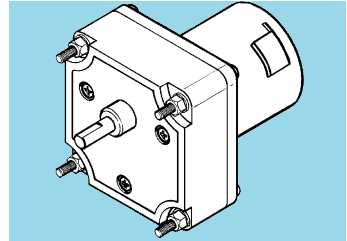
■ 24 VOLTS

■ 60 mm SQUARE HOUSING

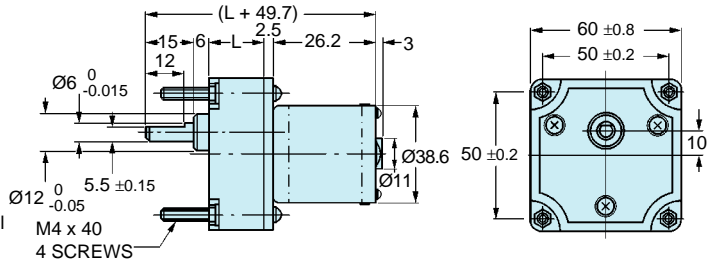
MOTOR SPECIFICATIONS:

- Rated Voltage – 24V
- Rated Torque – 9.81 N • mm
- Rated Speed – 3590 rpm
- Rated Current – ≤ 319 mA
- No Load Speed – 4650 rpm
- No Load Current – ≤ 50 mA
- Weight – 100 g
- Rated Output – 3.59W
- Operating Temperature – -10°C to $+60^{\circ}\text{C}$

For replacement gearheads, see A 2G25M.... Series.



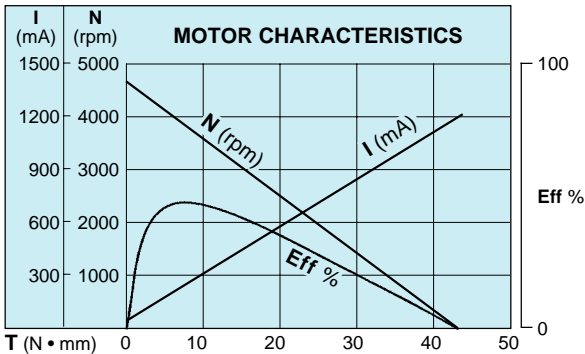
The projections shown are per ISO convention.



MATERIAL:

- Housing – Aluminum
- Shafts & Gears – Steel
- Bearings – Bronze

Catalog Number	Ratio to 1	L	Rated Torque N • mm (oz. in.)	Speed rpm	
				Rated	No Load
D33S54ME380200E	200	24	981 (139)	19	23
D33S54ME380250E	250			16	19
D33S54ME380300E	300			14	16
D33S54ME380360E	360	24	981 (139)	12	13
D33S54ME380450E	450			9.5	10.3
D33S54ME380500E	500			8.7	9.3
D33S54ME380750E	750	26.5	981 (139)	5.9	6.2
D33S54ME380900E	900			4.9	5.2
D33S54ME381000E	1000			4.5	4.7
D33S54ME381200E	1200	26.5	981 (139)	3.8	3.9
D33S54ME381500E	1500			3	3.1
D33S54ME381800E	1800			2.5	2.6
D33S54ME382000E	2000			2.3	2.3





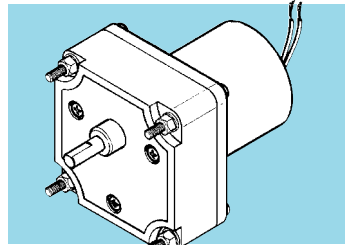
■ 24 VOLTS

■ 60 mm SQUARE HOUSING

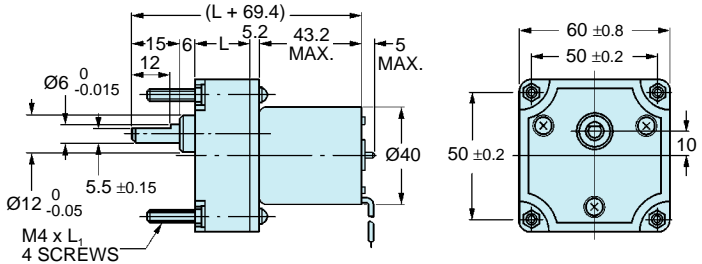
MOTOR SPECIFICATIONS:

- Rated Voltage – 24V
- Rated Torque – 14.72 N • mm
- Rated Speed – 2560 rpm
- Rated Current – ≤ 265 mA
- No Load Speed – 3310 rpm
- No Load Current – ≤ 30 mA
- Weight – 240 g
- Rated Output – 3.84W
- Operating Temperature – -10°C to +60°C

For replacement gearheads, see A 2G25M... Series.



The projections shown are per ISO convention.

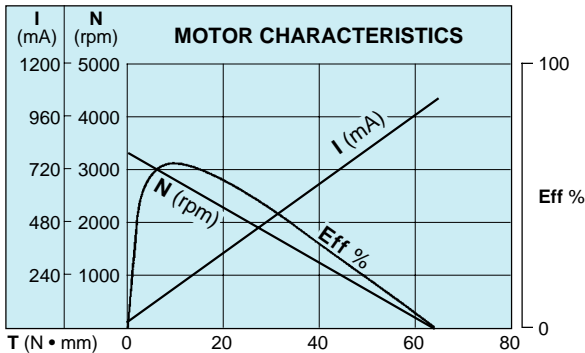


MATERIAL:

- Housing – Aluminum
- Shafts & Gears – Steel
- Bearings – Bronze

Catalog Number	Ratio to 1	L	L ₁ Screw Length	Rated Torque N • mm (oz. in.)	Speed rpm	
					Rated	No Load
D33S54MFST0006E	6	19	35	74 (10.5)	432	552
D33S54MFST0008E	7.5			88.3 (12.5)	343	441
D33S54MFST0010E	10	19	35	98.1 (13.9)	257	331
D33S54MFST0020E	20			245 (34.7)	127	166
D33S54MFST0030E	30	21.5	35	290 (41.1)	86	110
D33S54MFST0040E	40			392 (55.6)	66	82
D33S54MFST0050E	50	21.5	35	540 (76.4)	51	66
D33S54MFST0060E	60			640 (90.6)	43	55
D33S54MFST0100E	100	24	40	981 (139)	26	33
D33S54MFST0120E	120			23	28	
D33S54MFST0150E	150	19	22			
D33S54MFST0180E	180	16	18			

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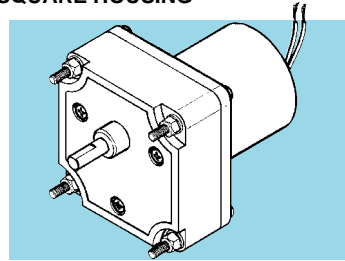
■ 24 VOLTS

■ 60 mm SQUARE HOUSING

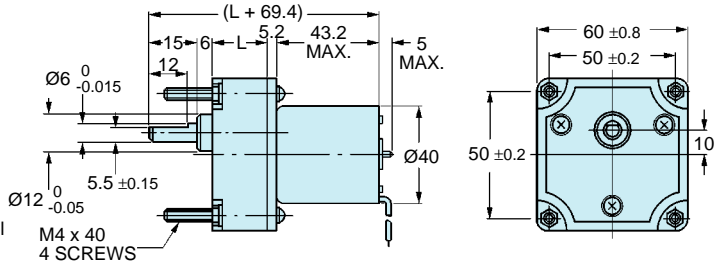
MOTOR SPECIFICATIONS:

- Rated Voltage – 24V
- Rated Torque – 14.72 N • mm
- Rated Speed – 2560 rpm
- Rated Current – ≤ 265 mA
- No Load Speed – 3310 rpm
- No Load Current – ≤ 30 mA
- Weight – 240 g
- Rated Output – 3.84W
- Operating Temperature – -10°C to +60°C

For replacement gearheads, see **A 2G25M...** Series.



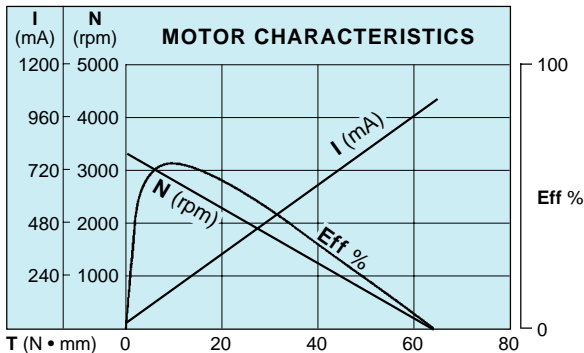
The projections shown are per ISO convention.



MATERIAL:

- Housing – Aluminum
- Shafts & Gears – Steel
- Bearings – Bronze

Catalog Number	Ratio to 1	L	Rated Torque N • mm (oz. in.)	Speed rpm	
				Rated	No Load
D33S54MFST0200E	200	24	981 (139)	15	17
D33S54MFST0250E	250			13	14
D33S54MFST0300E	300			10.2	11
D33S54MFST0360E	360	24	981 (139)	8.6	9.2
D33S54MFST0450E	450	26.5	981 (139)	6.9	7.4
D33S54MFST0500E	500	24	981 (139)	6.3	6.6
D33S54MFST0750E	750	26.5	981 (139)	4.3	4.4
D33S54MFST0900E	900			3.6	3.7
D33S54MFST1000E	1000			3.2	3.3
D33S54MFST1200E	1200			2.85	2.9
D33S54MFST1500E	1500	26.5	981 (139)	2.29	2.3
D33S54MFST1800E	1800			1.81	1.84
D33S54MFST2000E	2000			1.63	1.66





METRIC

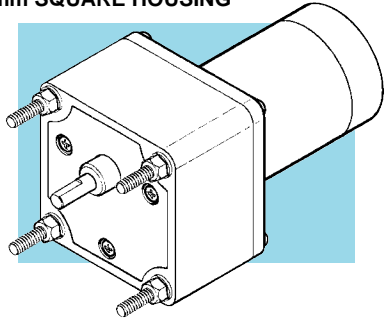
Heavy-Duty D.C. Gearmotors - Size 60

- 24 VOLTS
- HIGH-SPEED
- 60 mm SQUARE HOUSING

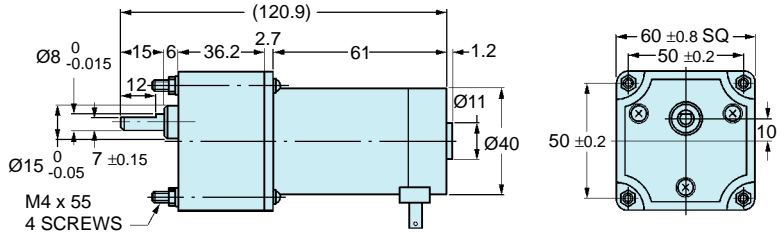
MOTOR SPECIFICATIONS:

- Rated Voltage – 24V
- Rated Torque – 14.72 N • mm
- Rated Speed – 3500 rpm
- Rated Current – ≤ 419 mA
- No Load Speed – 4200 rpm
- No Load Current – ≤ 80 mA
- Weight – 290 g
- Rated Output – 5.4W
- Operating Temperature – -10°C to +60°C

For replacement gearheads, see **A 2G30MD...** Series.



The projections shown are per ISO convention.



MATERIAL:

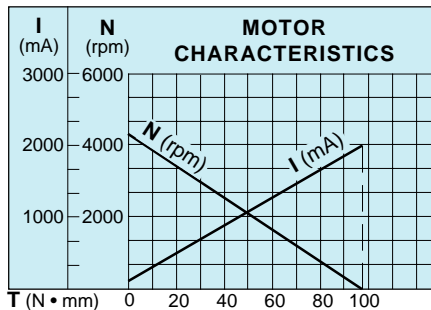
- Housing – Aluminum
- Shafts & Gears – Steel
- Bearings – Bronze

M4 x 55
4 SCREWS

* Catalog Number	Ratio to 1	Rated Torque N • mm (oz. in.)	Speed rpm	
			Rated	No Load
D33S52ME540020E	20	200 (28)	178	210
D33S52ME540030E	30	290 (41)	119	140
D33S52ME540060E	60	590 (83)	58	70
D33S52ME540090E	90	880 (125)	39	47
D33S52ME540140E	140	1370 (194)	25	30
D33S52ME540160E	160	1570 (222)	22	26

*Will be discontinued when current stock is depleted.

Similar gearmotors are offered as **D33S54ME38...E** series. See index.





METRIC

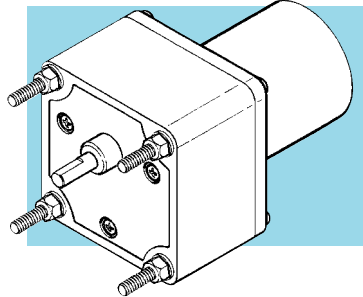
Heavy-Duty D.C. Gearmotors - Size 60

- 24 VOLTS
- HIGH-SPEED
- 60 mm SQUARE HOUSING

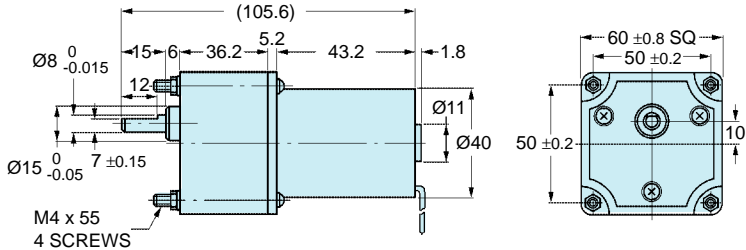
MOTOR SPECIFICATIONS:

- Rated Voltage – 24V
- Rated Torque – 16.68 N • mm
- Rated Speed – 3500 rpm
- Rated Current – ≤ 390 mA
- No Load Speed – 4250 rpm
- No Load Current – ≤ 60 mA
- Weight – 240 g
- Rated Output – 6.1W
- Operating Temperature – -10°C to +60°C

For replacement gearheads, see **A 2G30MD...** Series.



The projections shown are per ISO convention.



MATERIAL:

- Housing – Aluminum
- Shafts & Gears – Steel
- Bearings – Bronze

* Catalog Number	Ratio to 1	Rated Torque N • mm (oz. in.)	Speed rpm	
			Rated	No Load
D33S52MFST0020E	20	250 (35)	175	213
D33S52MFST0030E	30	350 (50)	118	142
D33S52MFST0060E	60	690 (98)	58	71
D33S52MFST0090E	90	981 (139)	39	47
D33S52MFST0140E	140	1570 (222)	25	30
D33S52MFST0160E	160	1770 (251)	22	27

*Will be discontinued when current stock is depleted.

Similar gearmotors are offered as **D33S54MFST...E** and **D33S54ME38...E** series.

See index.

