

Medium Duty Dc Motors — continued

12 and 24V dc, 32mm Diameter with Ovoid Gearheads



Motor without Gearhead
L = 44.6, dia = 32
Shaft L = 12, dia = 2j

Motor with Gearhead
L = 61.3, W = 54.2, H = 65.9, Shaft L = 3.2 dia 8,
3.5 across flat
fixing centres = 47.6 3.2 dia

- Motor or Motor with fitted Gearbox options available
- Sintered bronze bearings lubricated for life
- High performance plastic gears
- Fitted with interference suppression

Voltage	Motor Speed without Gearhead RPM	Torque (mNm)	Mftrs. List No.		Order Code	
			12V	24V	12V	24V
12V	5000	7.7	82860003		599-803	
24V	5000	7.7	82860004		599-815	

Motor Speed with Gearhead RPM	Torque (mNm)	Mftrs. List No.		Order Code	
		12V	24V	12V	24V
430	500	82861006	82861015	599-827	599-918
215	500	82861007	82861016	599-839	599-920
143	500	82861008	82861017	599-840	599-931
108	500	82861009	82861018	599-852	599-943
54	500	82861010	82861019	599-864	599-955
22	500	82861011	82861020	599-876	599-967
11	500	82861012	82861021	599-888	599-979
8.6	500	82861013	82861022	599-890	599-980
3.6	500	82861014	82861023	599-906	599-992

Output Speed (RPM)	Voltage	Order Code	Price Each				
			1+	10+	25+	50+	100+
Motor Without Gearhead							
5000	12	599-803					
5000	24	599-815					
12V Motor with Fitted Gearhead							
430		599-827					
215		599-839					
143		599-840					
108		599-852					
54		599-864					
22		599-876					
11		599-888					
8.6		599-890					
3.6		599-906					
24V Motor with Fitted Gearhead							
430		599-918					
215		599-920					
143		599-931					
108		599-943					
54		599-955					
22		599-967					
11		599-979					
8.6		599-980					
3.6		599-992					

DC Motors Geared

12 Volt dc Geared

AIRPAX



Body: L = 65.5, Dia. = 38.6, Flange = 39 39
Fixing centres = 32 32 2.7 dia., Shaft = 8.5 4.0 dia.

- High quality, long life 12Vdc motors
- Integrated gearboxes
- Permanent magnet stator, flat commutator and built-in spark suppressor
- Chemical resistant polyacetal housing

Current @ no load	45mA	Maximum voltage	18V dc
Current @ nominal torque	185mA	Direction of rotation	Reversible
Nominal operating voltage	12V dc	Operating temperature	-20°C to +60°C

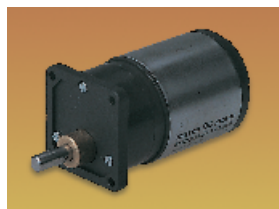
(Shaft Speed RPM)	Reduction Ratio	Torque (mNm)	Mftrs. List No.	Order Code
60	50:1	125	9904-120-52605	147-873
330	9:1	25	9904-120-52602	147-874

FM9

Order Code	Price Each				
	1+	5+	25+	100+	250+
.147-873					
.147-874					

12 and 24V dc 40mm Diameter Spur Gearheads

maxon motor



Motor with Gearhead fitted
Body: L = 68 (18:1 and 30:1 gearbox fitted),
70 (60:1 and 100:1), 73 (200:1), 75 (500:1 and 900:1)
Dia. = 40, Flange = 38 38, Fixing centres = 30.5 30.5 2.6 dia., Shaft = 15 6 dia.

- High quality reversible motor
- Ironless rotor gives excellent linear speed-torque performance
- Precious metal brush commutation guarantees low contact resistance, low starting voltage, low electrical interference and high efficiency
- Matching spur gearheads have steel gears on bronze shafts
- Flat on output drive shaft for easy load coupling

Voltage	Motor Speed without Gearhead RPM	Torque (mNm) Constant/Peak	Mftrs. List No.	Order Code
24V	4110	13.39/30.9	2140.937.61.112	650-316

Motor Speed with Gearhead Fitted (RPM)	Gearhead Reduction Ratio	Torque (mNm) Constant/Peak	Mftrs. List No.	Order Code	
					12V
220	230	18:1	200/600	2938.803.0018	650-328
135	140	30:1	200/600	2938.803.0030	650-330
65	70	60:1	300/900	2938.804.0060	650-341
40	42	100:1	600/1800	2938.804.0100	650-353
20	21	200:1	600/1800	2938.805.0200	650-365
8	8	500:1	600/1800	2938.806.0500	650-377
4	4	900:1	600/1800	2938.806.0900	650-389

Motor Without Gearhead	Order Code	Price Each				
		1+	10+	20+	50+	100+
12V	650-304					
24V	650-316					
Gearhead						
18:1	650-328					
30:1	650-330					
60:1	650-341					
100:1	650-353					
200:1	650-365					
500:1	650-377					
900:1	650-389					

12V and 24 Vdc



- Speed range : 2.9 to 108 rpm
- Mechanical resistance gearhead : 0.5 to 2Nm, high performance plastic gears
- Motor maximum power : 3.9W, fitted with interference suppression

New

MOT202

Speed (rpm)	Order Code	Price Each		
		1+	3+	10+
12 V Motor with Gearhead				
108	308-9370			
54	308-9381			
27	308-9393			
13	308-9400			
7.2	308-9411			
2.9	308-9423			
24V Motor with Gearhead				
108	308-9435			
54	308-9447			
27	308-9459			
13	308-9460			
7.2	308-9472			
2.9	308-9484			