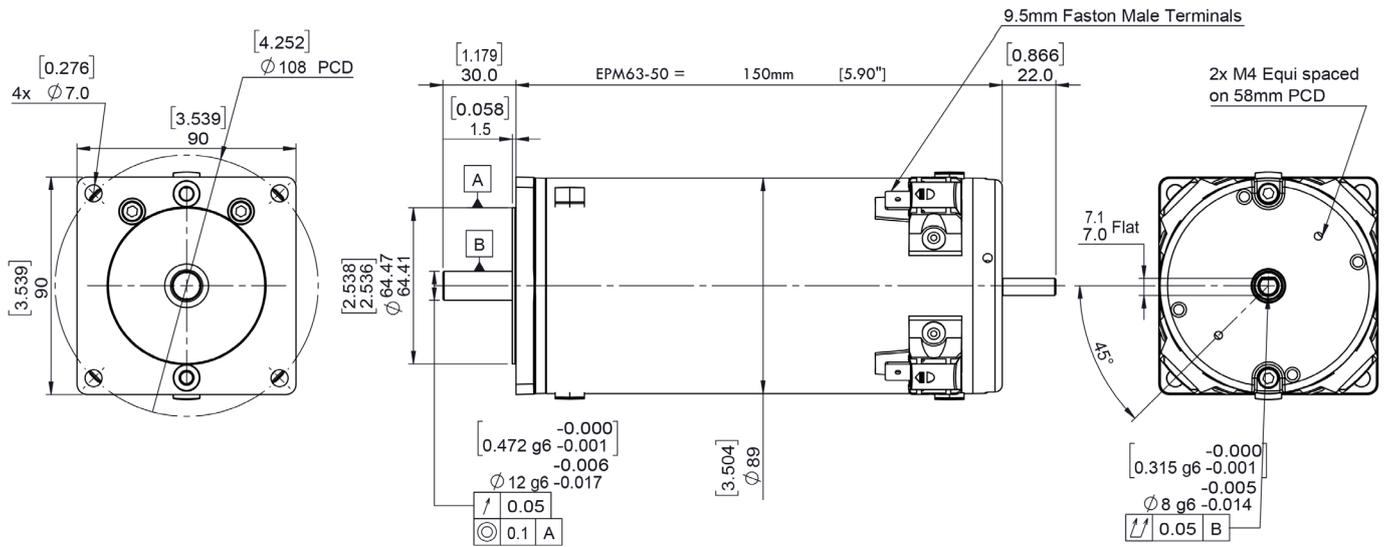


# EPM63-50 PMDC motor

Ø90 mm frame // 50 mm stack

# PARVALUX



Part number key	
Modular	#####
Standard	#####
Special	#####

**Available on request:** Custom shaft length and diameter, shaft on both sides, special windings for specific voltages and speed, higher IP protection class, custom flanges and connectors

All products are built in accordance to performance tolerances from EN60034-1:2010. As continuous improvement, Parvalux periodically test their product range to ensure test results are as accurate as possible and are therefore subject to change. Please ensure you are using the latest datasheets found on our website

Technical data					
1 Part number		E6350-3K12	E6350-3K24	E6350-3K40	E6350-3K48
2 Nominal power	W	220	220	220	220
3 Nominal voltage	V	12	24	40	48
4 No load speed	rpm	3899	3992	3881	3854
5 No load current	A	4.70	2.60	1.50	1.24
6 Nominal speed	rpm	3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.7	0.7	0.7	0.7
8 Nominal continuous current (S1)	A	28.4	14.5	8.4	7.0
9 Max. intermittent torque (S3)	Nm	1.2	1.2	1.2	1.2
10 Stall current	A	115	83	47	39
11 Stall torque	Nm	3.3	4.8	4.7	4.6
12 Stack length	mm	50	50	50	50
13 Maximum efficiency	%	67	70	70	70
14 Terminal resistance - phase to phase	Ω	0.10	0.29	0.85	1.24
15 Terminal inductance - phase to phase	mH	-	-	-	-
16 Speed constant	rpm/V	320	159	93	77
17 Torque constant	Nm/A	0.03	0.06	0.10	0.12
18 Speed torque gradient	rpm/Nm	1200	831	831	831
19 Rotor inertia	gcm <sup>2</sup>	6130	6130	6130	6130

Thermal data		Modular system	
20 Ambient temperature	°C	40	

Mechanical data		
21 Radial load [distance from flange]	N [mm]	200 [15]

Other data		
22 Number of poles	4	
23 Weight	Kg	3.0
24 IP rating	IP44	
25 Enclosure	Enclosed	
26 Insulation Class	F	
27 Reversible	Yes	

Gearbox		
GB4/41	+L mm	110
GB12	+L mm	110
GB9	+L mm	138
PG62	+L mm	44 - 90
PG71	+L mm	49 - 99

Encoder		
Optical	+L mm	9
Magnetic	+L mm	12

Controller	
SC 50/15	
ESCON	
EPOS	

+L mm = added length