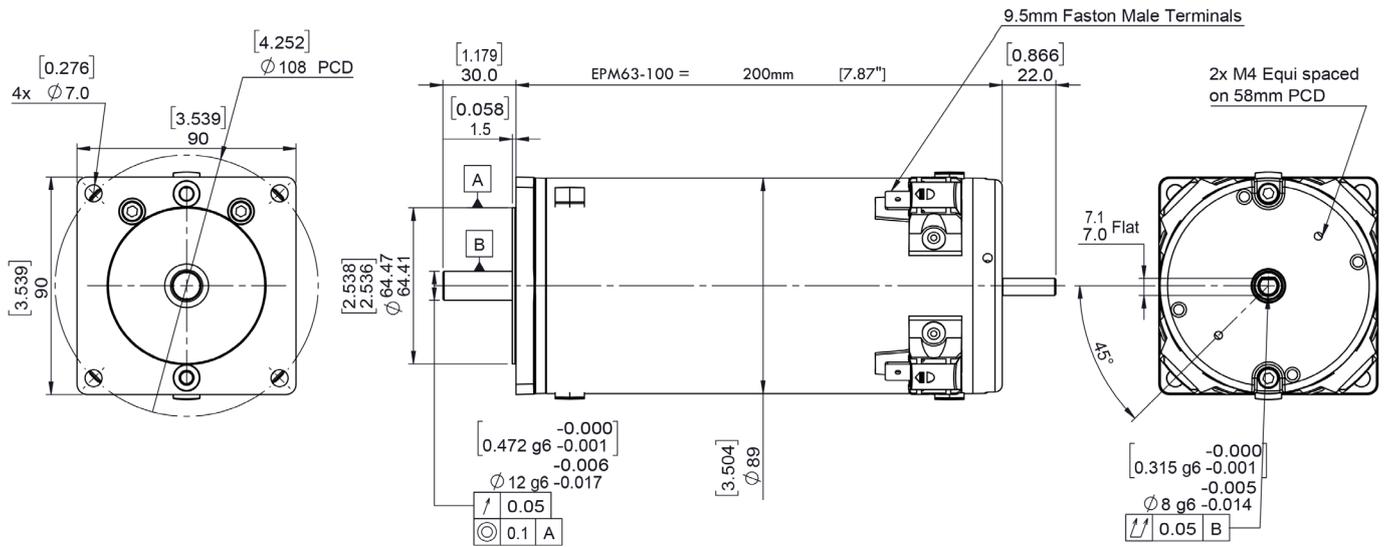


# EPM63-100 PMDC motor

Ø90 mm frame // 100 mm stack

# PARVALUX



Part number key		
Modular	#####	<b>Available on request:</b> 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
Standard	#####	
Special	#####	

Technical data			E6310-3K12	E6310-3K24	E6310-3K40	E6310-3K48
1 Part number						
2 Nominal power	W		377	377	377	377
3 Nominal voltage	V		12	24	40	48
4 No load speed	rpm		4771	3895	3819	3895
5 No load current	A		5.20	1.90	1.10	0.94
6 Nominal speed	rpm		3000	3000	3000	3000
7 Nominal continuous torque (S1)	Nm		1.2	1.2	1.2	1.2
8 Nominal continuous current (S1)	A		54.6	22.3	13.1	11.1
9 Max. intermittent torque (S3)	Nm		1.9	1.9	1.9	1.9
10 Stall current	A		194	134	77	67
11 Stall torque	Nm		4.6	7.7	7.5	7.7
12 Stack length	mm		100	100	100	100
13 Maximum efficiency	%		73	78	78	78
14 Terminal resistance - phase to phase	Ω		0.062	0.300	0.520	0.720
15 Terminal inductance - phase to phase	mH		-	-	-	-
16 Speed constant	rpm/V		393	158	93	79
17 Torque constant	Nm/A		0.024	0.06	0.1	0.12
18 Speed torque gradient	rpm/Nm		1041	509	509	509
19 Rotor inertia	gcm <sup>2</sup>		9640	9640	9640	9640

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 4.5
24 IP rating	IP44
25 Enclosure	Enclosed
26 Insulation Class	F
27 Reversible	Yes

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

Encoder		+L mm
Optical		9
Magnetic		12

Controller	
SC 50/15	
ESCON	
EPOS	

+L mm = added length