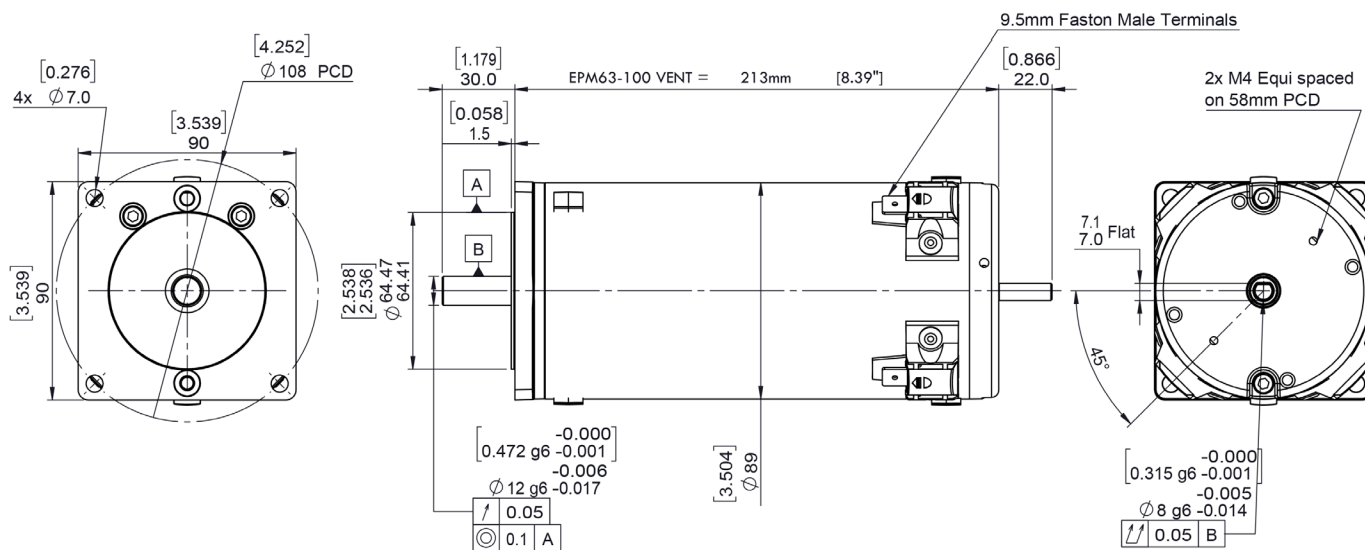


# EPM63-100 Vented PMDC motor

PARVALUX

Ø90 mm frame // 100 mm stack



## 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		V6310-3K12	V6310-3K12	V6310-3K12	V6310-3K12
2 Nominal power	W	471	471	471	471
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	1.5	1.5	1.5	1.5
8 Nominal continuous current (S1)	A	67	275	16.2	13.7
9 Max. intermittent torque (S3)	Nm	2.4	2.4	2.4	2.4
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	%	67	78	78	78
14 Terminal resistance - phase to phase	Ω	0.06	0.18	0.52	0.72
15 Terminal inductance - phase to phase	mH	-	-	-	-
16 Speed constant	rpm/V	393	158	93	79
17 Torque constant	Nm/A	0.024	0.060	0.100	0.120
18 Speed torque gradient	rpm/Nm	1041	509	509	509
19 Rotor inertia	Kg/cm <sup>2</sup>	9640	9640	9640	9640

## Thermal data

20 Ambient temperature	°C	40
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## Mechanical data

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

22 Number of poles		4
23 Weight	Kg	4.4
24 IP rating		IP21
25 Enclosure		Ventilated
26 Insulation Class		F
27 Reversible		Yes

## Compatible products

