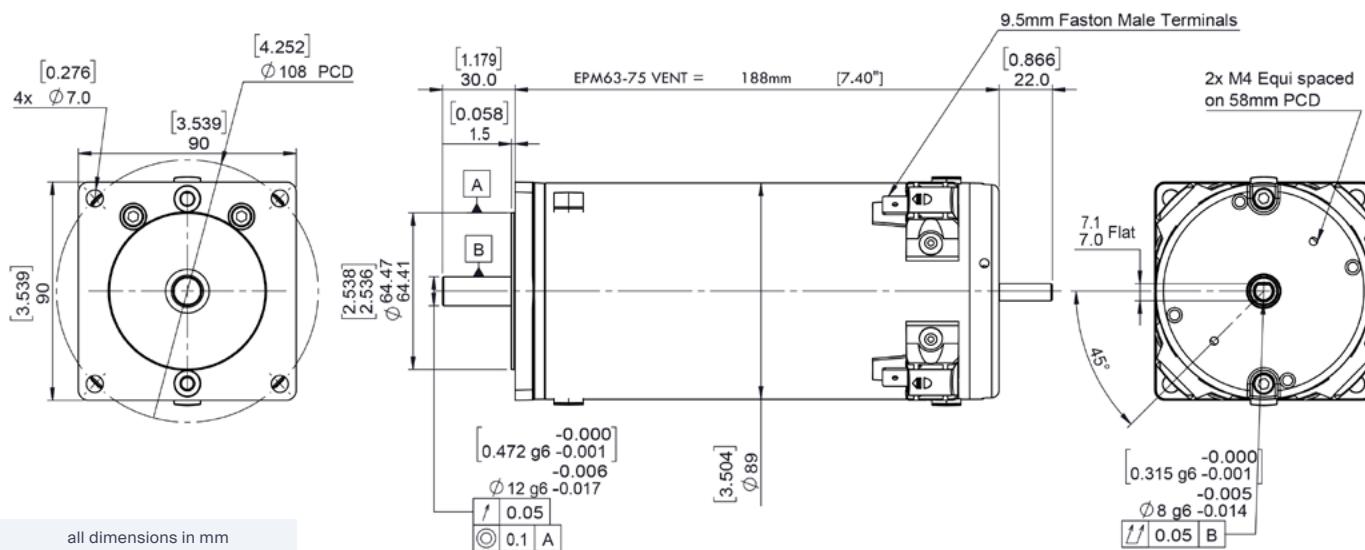


# EPM63-75 Fan Cooled PMDC motor

Ø90 mm frame // 75 mm stack

**parvalux**  
by **maxon**



## Part number key

Modular	#####
Standard	#####
Calculated data	#####

**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		-	-	-	-
2 Nominal power	<b>W</b>	377	377	377	377
3 Nominal voltage	<b>V</b>	12	24	40	48
4 No load speed	<b>rpm</b>	4158	3973	3913	3973
5 No load current	<b>A</b>	4.00	1.70	1.00	0.85
6 Nominal speed	<b>rpm</b>	3000	3000	3000	3000
7 Nominal continuous torque (S1)	<b>Nm</b>	1.2	1.2	1.2	1.2
8 Nominal continuous current (S1)	<b>A</b>	30.0	21.4	12.6	10.7
9 Max. intermittent torque (S3)	<b>Nm</b>	1.80	1.80	1.80	1.80
10 Stall current	<b>A</b>	242	88	51	44
11 Stall torque	<b>Nm</b>	6.4	5.3	5.2	5.3
12 Stack length	<b>mm</b>	75	75	75	75
13 Maximum efficiency	<b>%</b>	75	80	79	79
14 Terminal resistance - phase to phase	<b>Ω</b>	0.050	0.272	0.780	1.090
15 Terminal inductance - phase to phase	<b>mH</b>	-	-	-	-
16 Speed constant	<b>rpm/V</b>	335	160	94	80
17 Torque constant	<b>Nm/A</b>	0.027	0.061	0.100	0.120
18 Speed torque gradient	<b>rpm/Nm</b>	649	755	755	755
19 Rotor inertia	<b>Kgcm<sup>2</sup></b>	2.83 x 10 <sup>-4</sup>	2.83 x 10 <sup>-4</sup>	2.83 x 10 <sup>-4</sup>	2.83 x 10 <sup>-4</sup>

## Thermal data

20 Ambient temperature	<b>°C</b>	40
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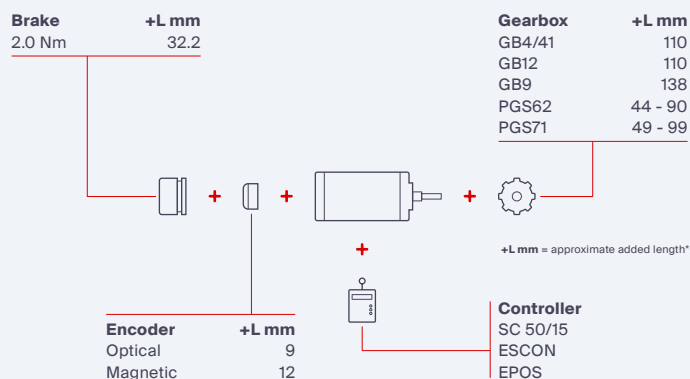
## Mechanical data

21 Radial load [distance from flange]	<b>N [mm]</b>	200 [15]
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## Other data

22 Number of poles		4
23 Weight	<b>Kg</b>	4.10
24 IP rating		IP21
25 Enclosure		Ventilated
26 Insulation Class		F
27 Reversible		Yes

## Compatible products



\*additional length may also be required for mounting flange between components