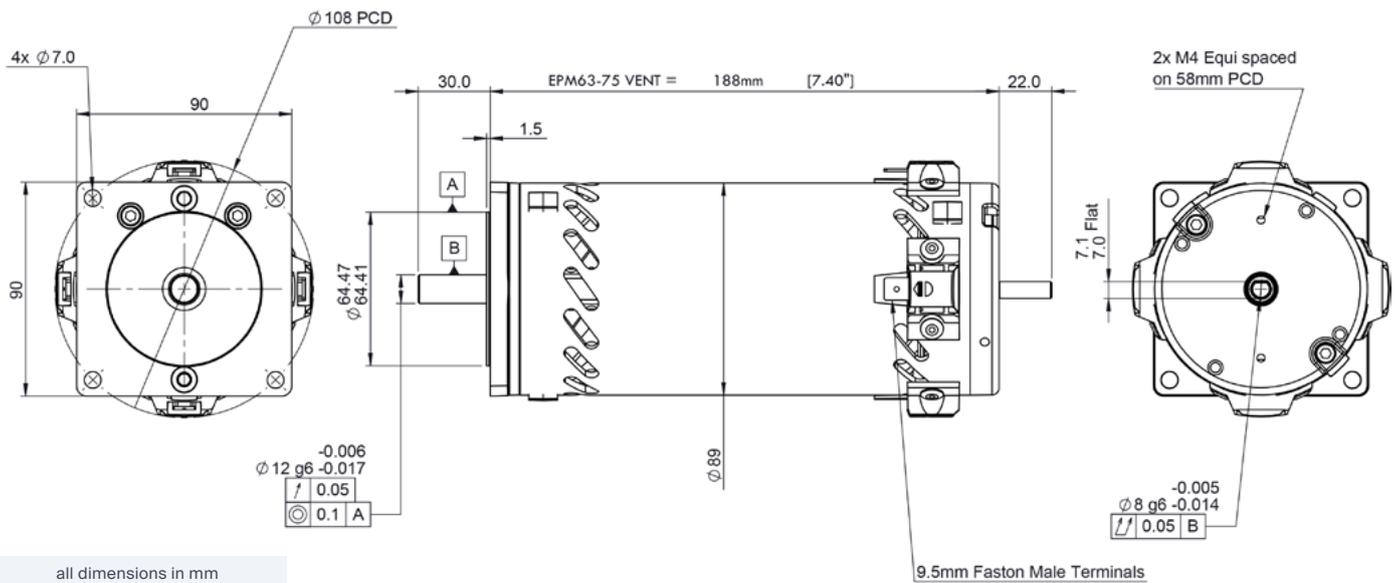


EPM63-75 Ventilated PMDC motor

Ø89 mm frame // 75 mm stack

parvalux
by **maxon**



Part number key

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

Please see our customisation options page for details on the modifications available on our products. Advice and guidance on these options are available from your local sales contact.

Technical data

1 Part number		-	-	-	-
2 Nominal power	W	377	377	377	377
3 Nominal voltage	V	12	24	40	48
4 No load speed	rpm	4158	3973	3913	3973
5 No load current	A	4.00	1.70	1.00	0.85
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	30.0	21.4	12.6	10.7
9 Max. intermittent torque (S2 - 15 minutes)	Nm	1.80	1.80	1.80	1.80
10 Stall current	A	242	88	51	44
11 Stall torque	Nm	6.4	5.3	5.2	5.3
12 Stack length	mm	75	75	75	75
13 Maximum efficiency	%	75	80	79	79
14 Terminal resistance	Ω	0.050	0.272	0.780	1.090
15 Terminal inductance	mH	-	-	-	-
16 Speed constant	rpm/V	335	160	94	80
17 Torque constant	Nm/A	0.027	0.061	0.100	0.120
18 Speed torque gradient	rpm/Nm	649	755	755	755
19 Rotor inertia	Kgcm²	2.83 x 10 ⁻⁴			

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	4.10
24 IP rating		IP21
25 Enclosure		Ventilated
26 Insulation Class		F
27 Reversible		Yes

Compatible products

Gearbox	+L mm	Brake	+L mm	Encoder	+L mm
GB9	138.0	1.5 Nm	28.2	Incr. 5-pin	9.0
GB12	110.0	2.0 Nm	32.4	Incr. 10-pin	9.0
GB80	80.0	4.0 Nm	27.7	Diff. 10-pin	12.0
		Power-on	26.4	Magnetic	12.0

Controller

SC 50/15
ESCON
EPOS

Key

Standard combination
Modular combination

+L mm = approximate added length*

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