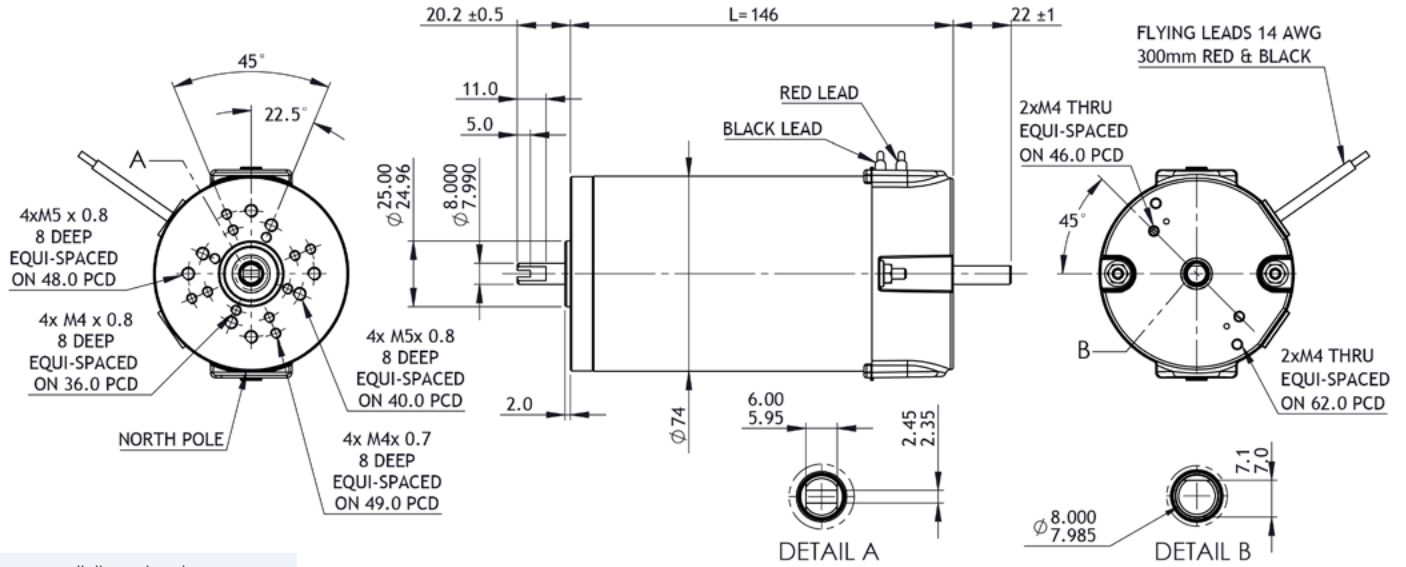


# BRx70-60 PMDC motor

Ø70 mm frame // 60 mm stack

**parvalux**

by **maxon**



all dimensions in mm

## 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		781095	781096	781097
2 Nominal power	W	157	157	157
3 Nominal voltage	V	12	24	48
4 No load speed	rpm	3970	3580	3310
5 No load current	A	1.80	0.80	0.37
6 Nominal speed	rpm	3000	3000	3000
7 Nominal continuous torque (S1)	Nm	0.5	0.5	0.5
8 Nominal continuous current (S1)	A	21.0	9.0	4.2
9 Max. intermittent torque (S2 - 15 minutes)	Nm	0.88	0.63	0.88
10 Stall current	A	70.7	48.0	28.7
11 Stall torque	Nm	1.8	2.8	3.6
12 Stack length	mm	60	60	60
13 Maximum efficiency	%	72	79	82
14 Terminal resistance - phase to phase	Ω	0.10	0.36	1.51
15 Terminal inductance - phase to phase	mH	0.15	0.81	3.29
16 Speed constant	rpm/V	333.1	150.4	69.1
17 Torque constant	Nm/A	0.026	0.060	0.130
18 Speed torque gradient	rpm/Nm	2423	1383	985
19 Rotor inertia	Kgcm <sup>2</sup>	2.5 x 10 <sup>-4</sup>	2.5 x 10 <sup>-4</sup>	2.5 x 10 <sup>-4</sup>

## Thermal data

20 Ambient temperature	°C	40
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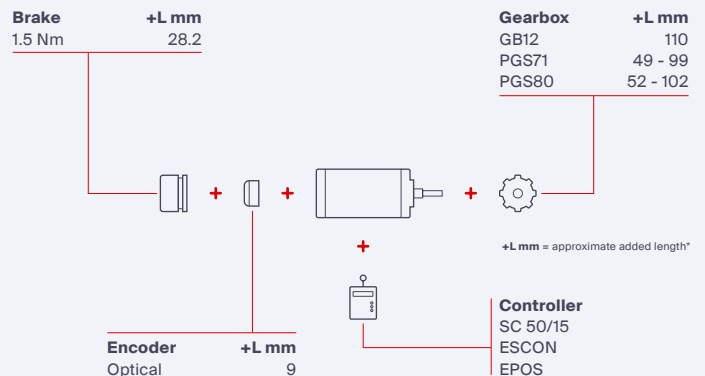
## Mechanical data

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

22 Number of poles		2
23 Weight	Kg	2.25
24 IP rating		IP54
25 Enclosure		Enclosed
26 Insulation Class		F
27 Reversible		Yes

## Modular system



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