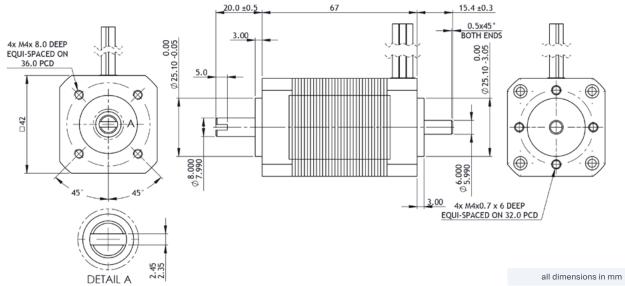
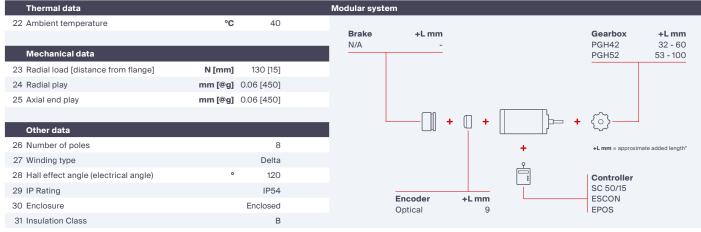
PBL42-35 BLDC motor Ø42 mm frame // 35 mm stack

parvalux by **maxon** 



Part number key Modular Standard Calculated data	###### ###### #######			Available on request: custom shaft length and diameter, shaft on both sides, special voltages and speed, higher IP protection class, custom flanges and connectors All products are built in accordance to performance tolerances from EN60034-12010 improvement, Parvalux periodically test their product range to ensure test results are and are therefore subject to change. Please ensure you are using the latest datashee
Technical data		770010	770047	
1 Part number		776616	776617	
2 Nominal power	w	42	42	
3 Nominal voltage	-	24 5835	48 6001	
4 No load speed 5 No load current	rpm A	0.4	0.3	
6 Nominal speed	rpm	4000	4000	
7 Nominal continuous torque (S1)	Nm	4000	4000	
8 Nominal continuous current (S1)	A	2.6	1.3	
9 Max Intermittent torque (S2 - 15 minutes)	Nm	0.15	0.15	
10 Stall current	A	9.6	5.0	
11 Stall torgue	Nm	9.0 0.4	0.4	
12 Stack length	mm	35	35	
13 Maximum efficiency	%	77	75	
14 Ra	-76 Ω	0.87	3.35	
15 BI	mH	1298	5415	
16 Speed constant	rpm/V	251.7	132.2	
17 Torque constant	Nm/A	0.043	0.093	
18 Speed torque gradient	rpm/Nm	14157	13361	
19 Rotor inertia	Kgcm <sup>2</sup>	5.5 x 10 <sup>-6</sup>	5.5 x 10 <sup>-6</sup>	
20 Weight	Kg	0.45	0.45	



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