



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		781083	781084	781085	
2 Nominal power	W	57	57	57	
3 Nominal voltage	V	12	24	48	
4 No load speed	rpm	3581	3591	3621	
5 No load current	Α	0.64	0.30	0.15	
6 Nominal speed	rpm	3000	3000	3000	
7 Nominal continuous torque (S1)	Nm	0.18	0.18	0.18	
8 Nominal continuous current (S1)	Α	6.4	3.0	1.6	
9 Max. intermittent torque (S2 - 15 minutes)	Nm	0.30	0.30	0.30	
10 Stall current	Α	64.0	11.8	6.9	
11 Stall torque	Nm	1.9	0.7	0.8	
12 Stack length	mm	40	40	40	
13 Maximum efficiency	%	79	84	84	
14 Terminal resistance - phase to phase	Ω	0.190	1.649	5.130	
15 Terminal inductance - phase to phase	mH	-	2.204	8.520	
16 Speed constant	rpm/V	301.0	151.7	76.5	
17 Torque constant	Nm/A	0.03	0.06	0.12	
18 Speed torque gradient	rpm/Nm	1892	5656	5037	
19 Rotor inertia	Kgcm ²	7.4 x 10 ⁻⁵	7.4 x 10 ⁻⁵	7.4 x 10 ⁻⁵	

Thermal data			Modular system
20 Ambient temperature	°C	40	
			Brake +L mm Gearbox +L mm 1.5 Nm 28.2 GB28 85
Mechanical data			1.5 Nm 28.2 GB28 85 PGS60 44 - 90
21 Radial load [distance from flange]	N [mm]	150 [15]	PGS72 44 - 99
Other data			
22 Number of poles		2	——————————————————————————————————————
23 Weight	Kg	0.85	
24 IP rating		IP54	+ +L mm = approximate added length
25 Enclosure		Enclosed	o o
26 Insulation Class		F	Controller
27 Reversible		Yes	SC 50/15
			Encoder +L mm ESCON Optical 9 EPOS

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





