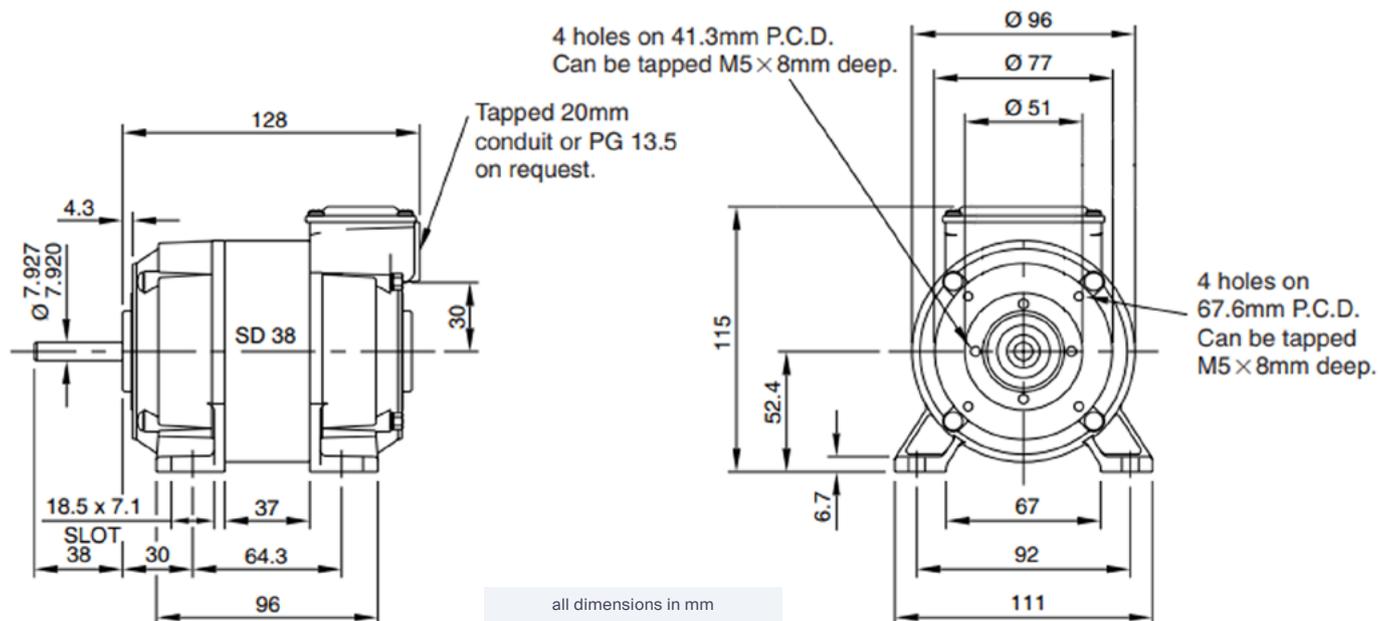


# SD38 AC motor

Ø96 mm frame // 37 mm stack

**parvalux**  
by **maxon**



Part number key	
Modular	#####
Standard	#####
Calculated data	#####

**Available on request:** 2 speed and synchronous, custom shaft length and diameter, shaft on both sides, special windings for specific voltages and speed, higher IP protection class, custom flanges and connectors. Additional motor output speeds available (900 & 1200 rpm), please contact sales for further details.

**Note:** Brakes are not available on TEFC (Totally Enclosed Fan Cooled) motors.

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 Phases		1	1	1	1	3	3	3	3
3 Frequency	Hz	50	50	60	60	50	50	60	60
4 Nominal voltage	V AC	230	230	115	115	400	400	230	230
5 Nominal power	W	35	60	35	60	35	60	35	60
6 Nominal speed	rpm	1400	2800	1700	3400	1400	2800	1700	3400
7 Nominal continuous torque (S1)	Nm	0.24	0.20	0.20	0.17	0.24	0.20	0.20	0.17
8 Nominal continuous current (S1)	A	0.30	0.57	-	-	0.24	0.24	-	-
9 Starting Current	A	0.75	1.43	0	0	0.60	0.60	0	0
10 Input Watts	W	75	127	75	127	80	105	80	105
11 Capacitor Value	M.F.D	2.5	4.0	2.5	4.0	-	-	-	-
12 Starting Torque Full Load	%	85	75	85	75	200	200	200	200
13 Stack length	mm	37	37	37	37	37	37	37	37
14 Number of poles		4	2	4	2	4	2	4	2
15 Rotor inertia	Kg/cm <sup>2</sup>	-	-	-	-	-	-	-	-

Thermal data		
16 Ambient temperature	°C	40
Mechanical data		
17 Radial load [distance from flange]	N [mm]	150 [15]
Other data		
18 Weight	Kg	2.9
19 Enclosure		VENT/TEFC
20 IP Rating - Ventilated		IP20
21 IP Rating - TE/TEFC		IP54
22 Insulation Class		F
23 Type		Permanent capacitor, asynchronous
24 Direction		Bi-directional

Modular system					
<b>Gearbox</b>	<b>+L mm</b>	<b>Gearbox</b>	<b>+L mm</b>	<b>Gearbox</b>	<b>+L mm</b>
S	59	GB36	166	LWS	127
M	85	MIW	83	LIS	108
GB28	85	MWS	110	PGS62	44 - 90
GB4/41	110	MIS	95	PGS71	49 - 99
GB12	110	LIW	102		

<b>Brake</b>	<b>+L mm</b>
0.4 Nm	35

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