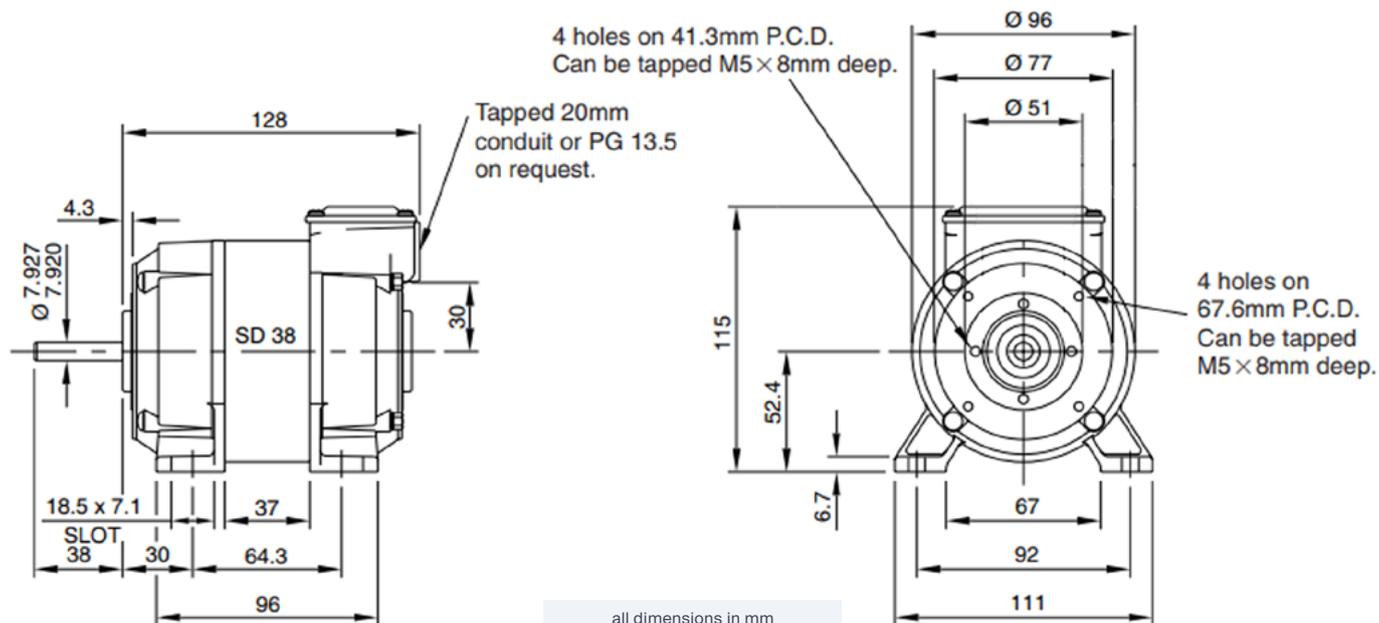


SD38 AC motor

Ø96 mm frame // 37 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.

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

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 ² | - | - | - | - | - | - | - | - |

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 | Reversible | |

Compatible products

| Gearbox | +L mm | Brake | +L mm |
|---------|-------|--------|-------|
| S Box | 59 | 0.4 Nm | 35 |
| M Box | 85 | | |
| MWS | 110 | | |
| MIW | 83 | | |
| LWS | 127 | | |
| LIW | 102 | | |
| LIS | 108 | | |
| GB28 | 85 | | |
| GB36 | 166 | | |
| GB58 | 50 | | |
| GB80 | 80 | | |

+L mm = approximate added length*

Compatible products key

| | |
|--------------|----------------------|
| Product name | Standard combination |
| Product name | Modular combination |

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