

# BLDC 40S40A 27P2.0475

# Brushless 3-Phase DC Motor



|                          |                   |                  |
|--------------------------|-------------------|------------------|
| Rated Voltage            | <b>24</b>         | V                |
| No Load Speed            | <b>4.780</b>      | rpm              |
| Rated Speed              | <b>4.050</b>      | rpm              |
| Cont. Power              | <b>109</b>        | W                |
| Rated Torque             | <b>256</b>        | mNm              |
| Cont. Stall Torque       |                   |                  |
| Current at rated Speed   | <b>5,4</b>        | A                |
| Torque Constant          | <b>46,7</b>       | mNm/A            |
| Efficiency at Duty Point | <b>86</b>         | %                |
| Weight                   | <b>0,4</b>        | kg               |
| Rotor Inertia            | <b>117</b>        | gcm <sup>2</sup> |
| Number of Poles          | <b>16</b>         |                  |
| Oper. Temp. Range        | <b>-20 / + 45</b> | °C               |
| Max. Temp. Rise          | <b>70 K</b>       | @ +45°C          |

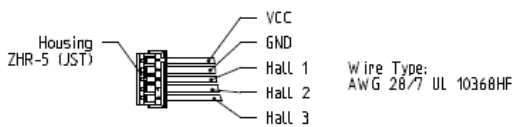
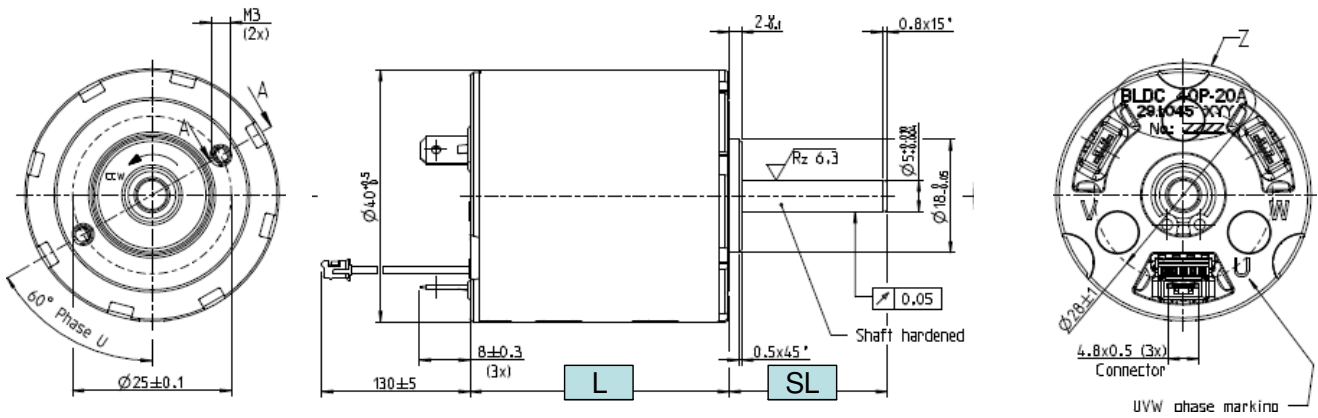
## Features

High power-to-volume ratio  
High efficiency at duty point  
High reliability

## Typical Applications

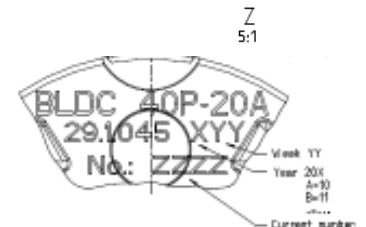
Pump drives  
Factory Automation  
Office Automation

Motor Code: 121088800072



Hall-Sensor-Connector

| Model      | Motor length "L" / mm | Shaft length "SL" / mm |
|------------|-----------------------|------------------------|
| BLDC40x10A | 31                    | 20                     |
| BLDC40x20A | 41                    | 25                     |
| BLDC40x30A | 51                    | 25                     |
| BLDC40x40A | 61                    | 25                     |
| BLDC40x20F | 48                    | 25                     |
| BLDC40x30F | 58                    | 25                     |



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