



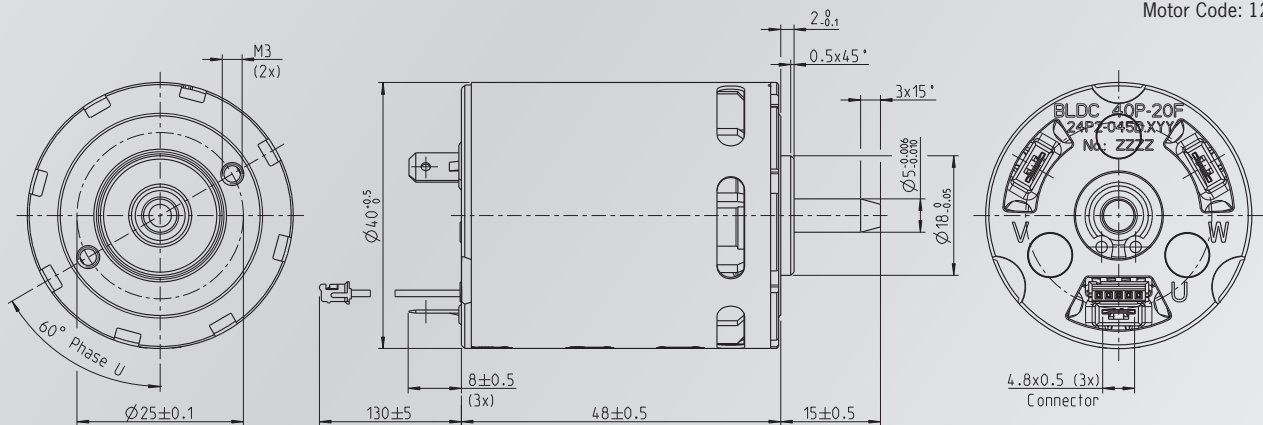
# BLDC 40P20F

24P2.045D

Brushless 3 – Phase DC Motor

| Rated Voltage | No Load Speed | Rated Speed | Cont. Power | Rated Torque | Current at rated Speed | Efficiency at Duty Point |
|---------------|---------------|-------------|-------------|--------------|------------------------|--------------------------|
| [ V ]         | [ rpm ]       | [ rpm ]     | [ W ]       | [ mNm ]      | [ A ]                  | [ % ]                    |
| 12            | 11.785        | 8.145       | 105         | 124          | 11,5                   | 78                       |
| 18            | 17.700        | 12.225      | 191         | 149          | 14,2                   | 79                       |

Motor Code: 121088800056



### General informations

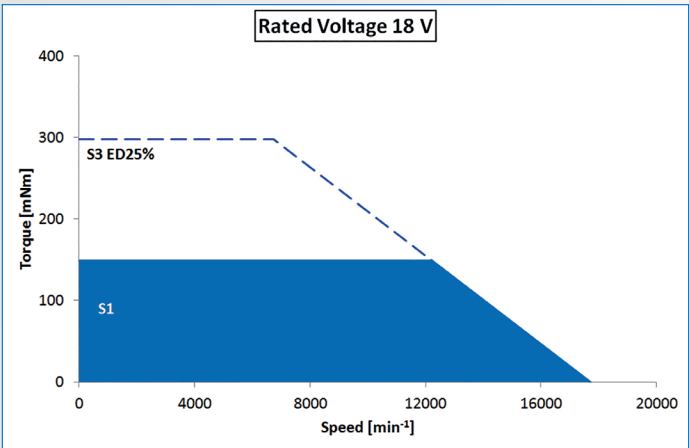
- **Class of protection:** IP20
- **Mounting position:** free
- **Duty cycle:** up to 100 %
- **Bearing system:** Ball Bearings
- **Torque Constant:** 9,2 mNm/A
- **Weight:** 0,225 kg
- **Rotor Inertia:** 32 gcm<sup>2</sup>
- **Oper. Temp. Range:** -20 °C to +45 °C
- **Max. Temp. Rise:** 70 K
- **Direction of Rotation:** CW / CCW
- **Class of Insulation:** H
- **Shaft Material:** Steel, not hardened
- **Number of Poles:** 8

### Options

- **Integrated Drive Electro.:** Yes
- **Planetary Gearbox:** Yes
- **Sensorless Operation:** Yes
- **Shaft hardened (Surface):** Yes

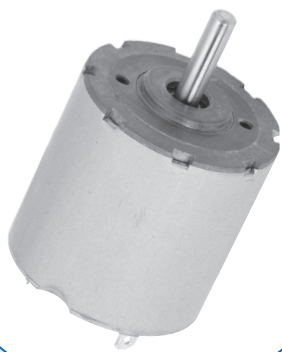
### Features

- High power-to-volume ratio
- High efficiency at duty point
- Extremely reliable



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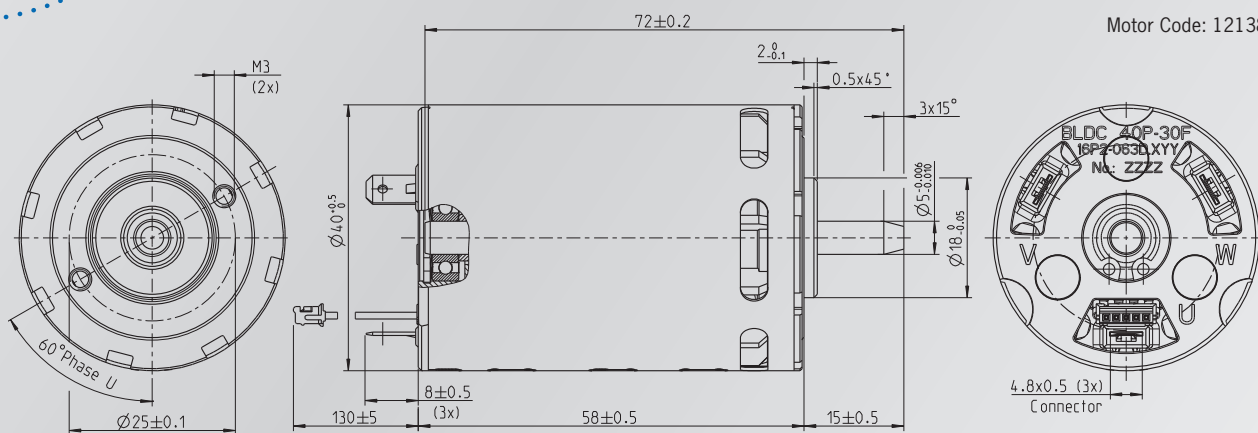
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# BLDC 40P30F

11P2.071D

| Rated Voltage | No Load Speed | Rated Speed | Cont. Power | Rated Torque | Current at rated Speed | Efficiency at Duty Point |
|---------------|---------------|-------------|-------------|--------------|------------------------|--------------------------|
| [ V ]         | [ rpm ]       | [ rpm ]     | [ W ]       | [ mNm ]      | [ A ]                  | [ % ]                    |
| 12            | 18.545        | 12.655      | 241         | 182          | 26,3                   | 82                       |



## General informations

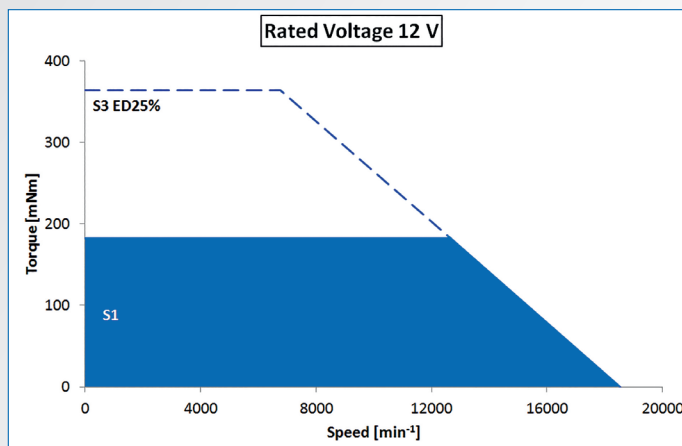
- **Class of protection:** IP20
- **Mounting position:** free
- **Duty cycle:** up to 100 %
- **Bearing system:** Ball Bearings
- **Torque Constant:** 5,8 mNm/A
- **Weight:** 0,285 kg
- **Rotor Inertia:** 40 gcm<sup>2</sup>
- **Oper. Temp. Range:** -20 °C to +45 °C
- **Max. Temp. Rise:** 70 K
- **Direction of Rotation:** CW / CCW
- **Class of Insulation:** H
- **Shaft Material:** Steel, not hardened
- **Number of Poles:** 8

## Options

- **Integrated Drive Electro.:** Yes
- **Planetary Gearbox:** Yes
- **Sensorless Operation:** Yes
- **Shaft hardened (Surface):** Yes

## Features

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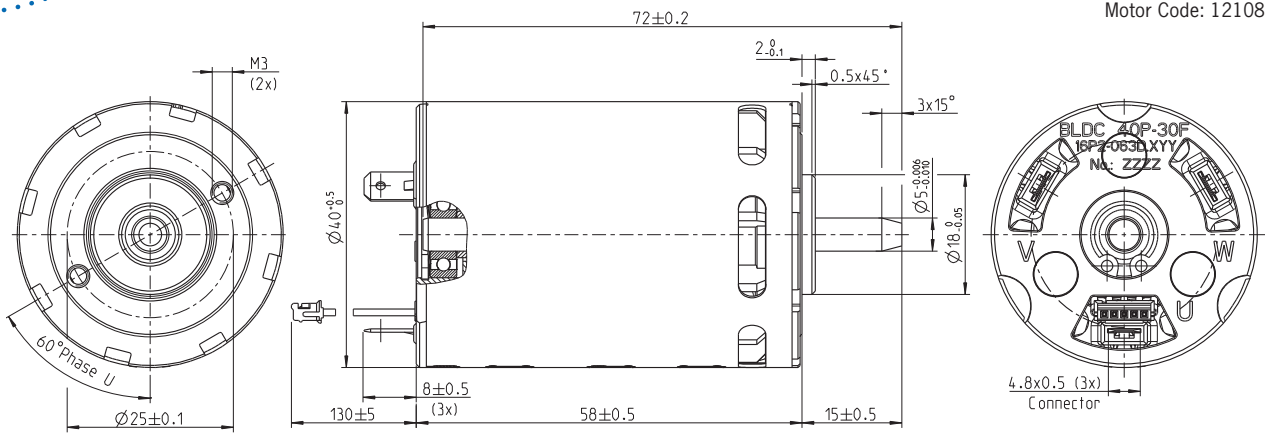


# BLDC 40P30F

16P2.063D

| Rated Voltage | No Load Speed | Rated Speed | Cont. Power | Rated Torque | Current at rated Speed | Efficiency at Duty Point |
|---------------|---------------|-------------|-------------|--------------|------------------------|--------------------------|
| [ V ]         | [ rpm ]       | [ rpm ]     | [ W ]       | [ mNm ]      | [ A ]                  | [ % ]                    |
| 18            | 18.500        | 13.800      | 290         | 200          | 20                     | 84                       |

Motor Code: 121088800022



### General informations

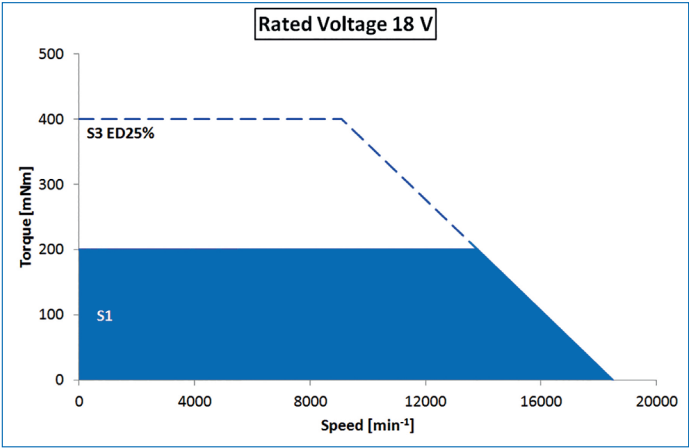
- **Class of protection:** IP20
- **Mounting position:** free
- **Duty cycle:** up to 100 %
- **Bearing system:** Ball Bearings
- **Torque Constant:** 8,7 mNm/A
- **Weight:** 0,285 kg
- **Rotor Inertia:** 40 gcm<sup>2</sup>
- **Oper. Temp. Range:** -20 °C to +45 °C
- **Max. Temp. Rise:** 70 K
- **Direction of Rotation:** CW / CCW
- **Class of Insulation:** H
- **Shaft Material:** Steel, not hardened
- **Number of Poles:** 8

### Options

- **Integrated Drive Electro.:** Yes
- **Planetary Gearbox:** Yes
- **Sensorless Operation:** Yes
- **Shaft hardened (Surface):** Yes

### Features

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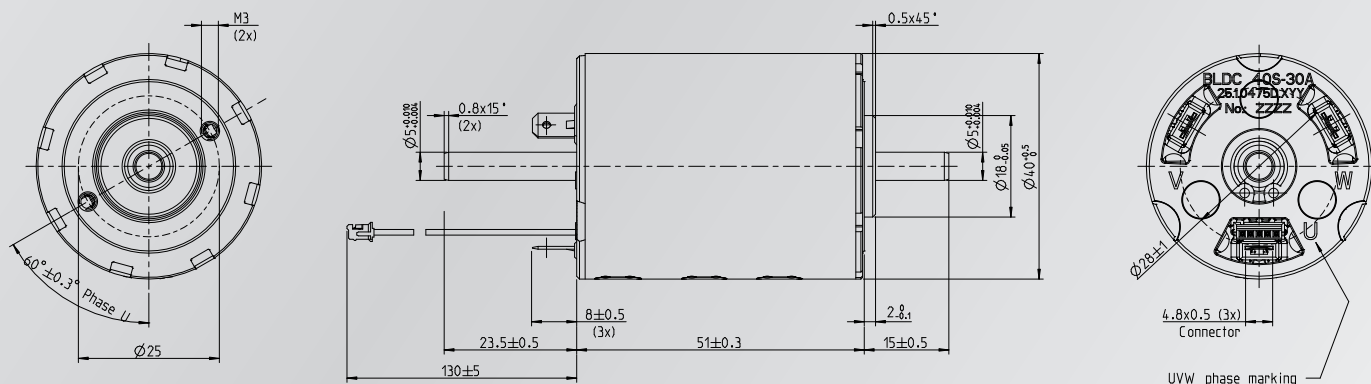


# BLDC 40S30A

## 25.1.0475D

| Rated Voltage | No Load Speed | Rated Speed | Cont. Power | Rated Torque | Current at rated Speed | Efficiency at Duty Point |
|---------------|---------------|-------------|-------------|--------------|------------------------|--------------------------|
| [ V ]         | [ rpm ]       | [ rpm ]     | [ W ]       | [ mNm ]      | [ A ]                  | [ % ]                    |
| 24            | 3.385         | 3.040       | 46          | 145          | 2,1                    | 85                       |

Motor Code: 121188800020



### General informations

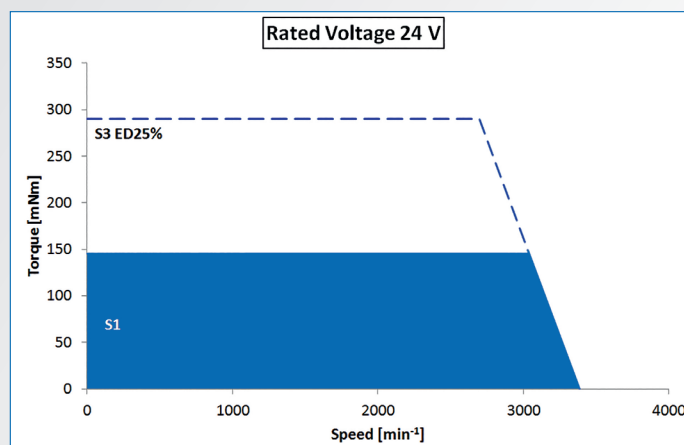
- **Class of protection:** IP20
- **Mounting position:** free
- **Duty cycle:** up to 100 %
- **Bearing system:** Ball Bearings
- **Torque Constant:** 64,7 mNm/A
- **Weight:** 0,3 kg
- **Rotor Inertia:** 50 gcm<sup>2</sup>
- **Oper. Temp. Range:** -20 °C to +45 °C
- **Max. Temp. Rise:** 70 K
- **Direction of Rotation:** CW / CCW
- **Class of Insulation:** H
- **Shaft Material:** Steel, not hardened
- **Number of Poles:** 16

### Options

- **Integrated Drive Electro.:** Yes
- **Planetary Gearbox:** Yes
- **Sensorless Operation:** Yes
- **Shaft hardened (Surface):** Yes

### Features

- High power-to-volume ratio
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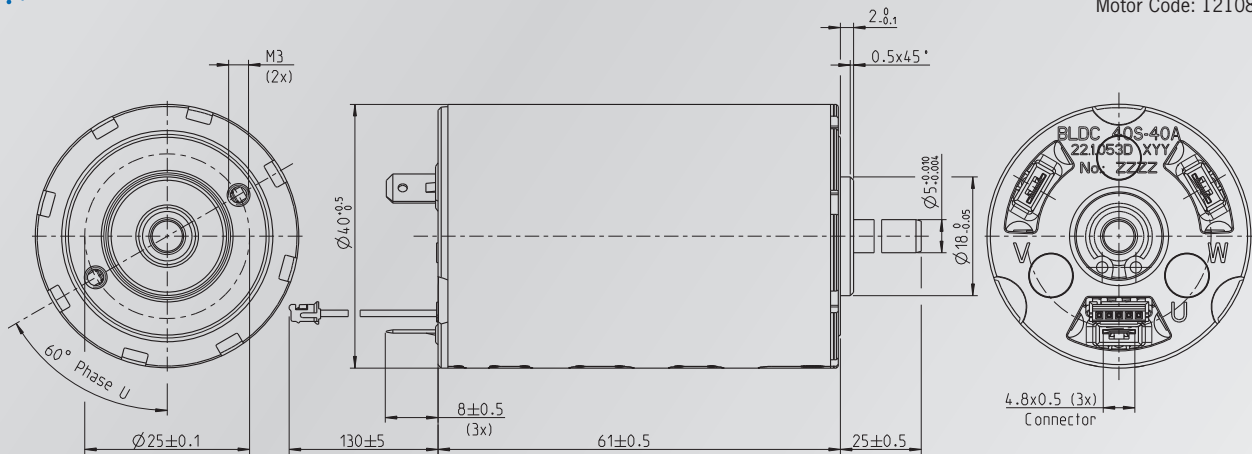
# BLDC 40S40A

22.1.053D

Brushless 3 – Phase DC Motor

| Rated Voltage | No Load Speed | Rated Speed | Cont. Power | Rated Torque | Current at rated Speed | Efficiency at Duty Point |
|---------------|---------------|-------------|-------------|--------------|------------------------|--------------------------|
| [ V ]         | [ rpm ]       | [ rpm ]     | [ W ]       | [ mNm ]      | [ A ]                  | [ % ]                    |
| 24            | 2.880         | 2.550       | 48          | 180          | 2,5                    | 81                       |

Motor Code: 121088800039



### General informations

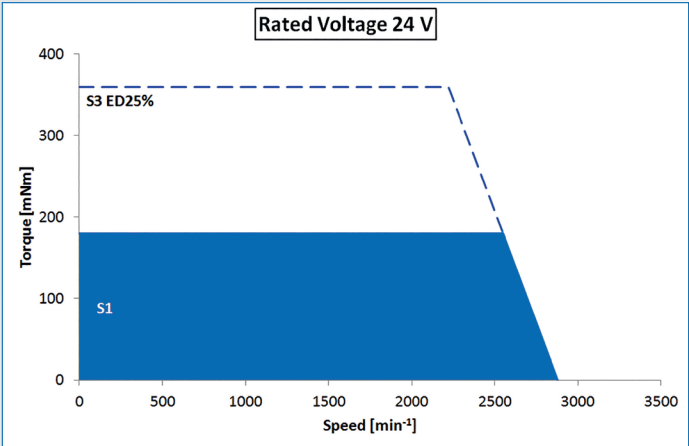
- **Class of protection:** IP20
- **Mounting position:** free
- **Duty cycle:** up to 100 %
- **Bearing system:** Ball Bearings
- **Torque Constant:** 76 mNm/A
- **Weight:** 0,365 kg
- **Rotor Inertia:** 62 gcm<sup>2</sup>
- **Oper. Temp. Range:** -20 °C to +45 °C
- **Max. Temp. Rise:** 70 K
- **Direction of Rotation:** CW / CCW
- **Class of Insulation:** H
- **Shaft Material:** Steel, not hardened
- **Number of Poles:** 16

### Options

- **Integrated Drive Electro.:** Yes
- **Planetary Gearbox:** Yes
- **Sensorless Operation:** Yes
- **Shaft hardened (Surface):** Yes

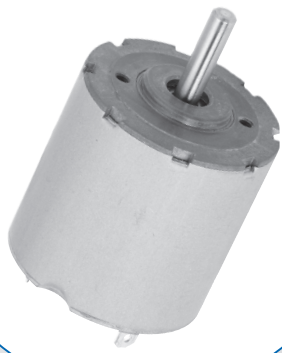
### Features

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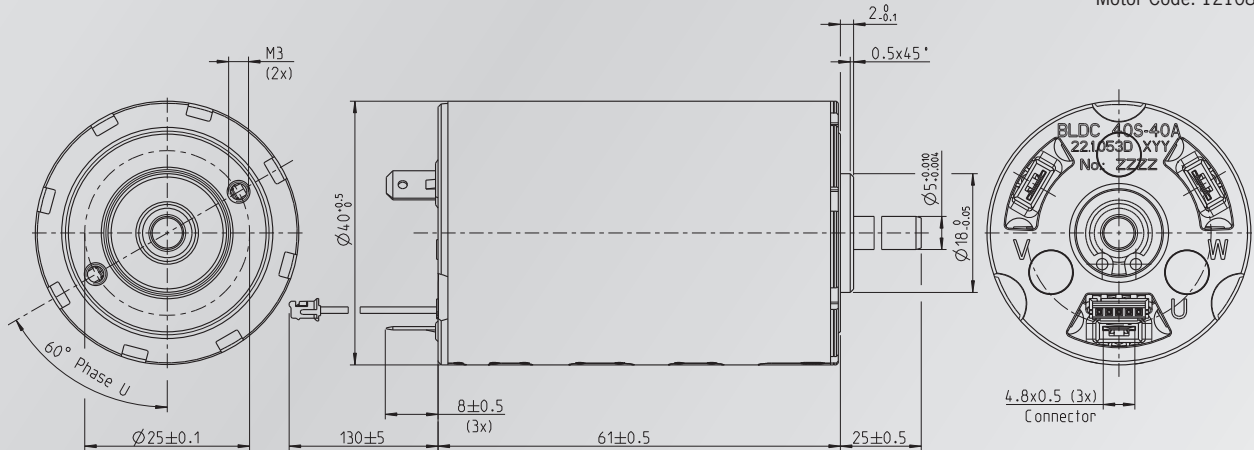
# BLDC 40S40A

27P2.0475

Brushless 3 – Phase DC Motor

| Rated Voltage | No Load Speed | Rated Speed | Cont. Power | Rated Torque | Current at rated Speed | Efficiency at Duty Point |
|---------------|---------------|-------------|-------------|--------------|------------------------|--------------------------|
| [ V ]         | [ rpm ]       | [ rpm ]     | [ W ]       | [ mNm ]      | [ A ]                  | [ % ]                    |
| 24            | 4.780         | 4.050       | 109         | 256          | 5,0                    | 86                       |

Motor Code: 121088800072



## General informations

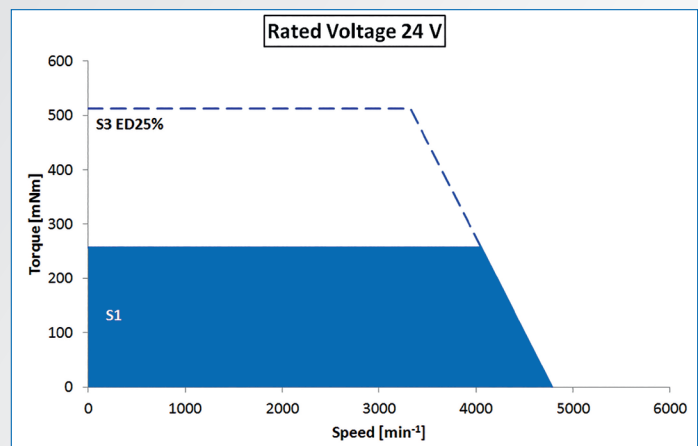
- **Class of protection:** IP20
- **Mounting position:** free
- **Duty cycle:** up to 100 %
- **Bearing system:** Ball Bearings
- **Torque Constant:** 46,7 mNm/A
- **Weight:** 0,365 kg
- **Rotor Inertia:** 62 gcm<sup>2</sup>
- **Oper. Temp. Range:** -20 °C to +45 °C
- **Max. Temp. Rise:** 70 K
- **Direction of Rotation:** CW / CCW
- **Class of Insulation:** H
- **Shaft Material:** Steel, not hardened
- **Number of Poles:** 16

## Options

- **Integrated Drive Electro.:** Yes
- **Planetary Gearbox:** Yes
- **Sensorless Operation:** Yes
- **Shaft hardened (Surface):** Yes

## Features

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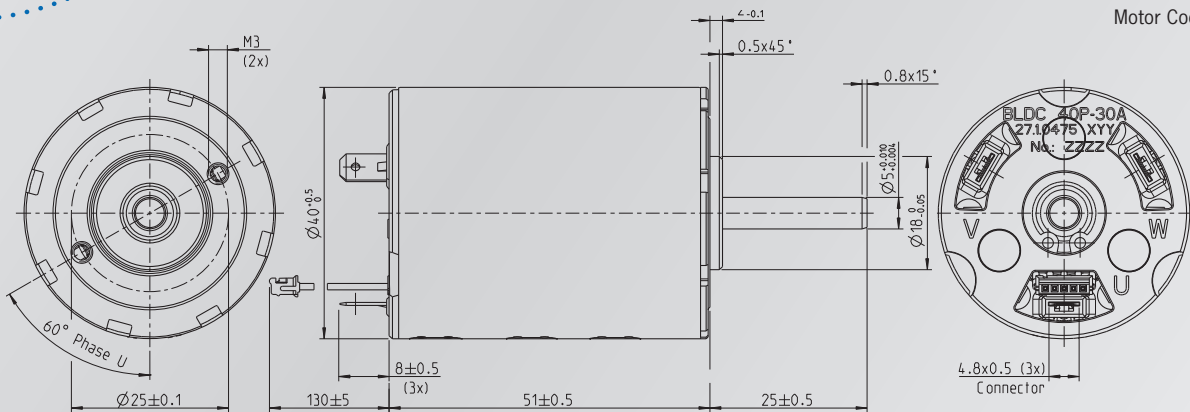
# BLDC 40P30A

27.1.0475

Brushless 3 – Phase DC Motor

| Rated Voltage | No Load Speed | Rated Speed | Cont. Power | Rated Torque | Current at rated Speed | Efficiency at Duty Point |
|---------------|---------------|-------------|-------------|--------------|------------------------|--------------------------|
| [ V ]         | [ rpm ]       | [ rpm ]     | [ W ]       | [ mNm ]      | [ A ]                  | [ % ]                    |
| 24            | 4.190         | 3.250       | 29          | 86           | 1,5                    | 76                       |

Motor Code: 121088800075



### General informations

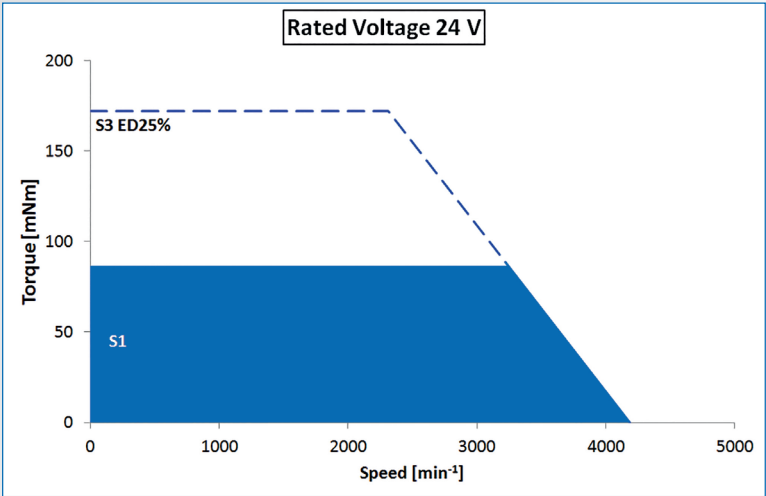
- **Class of protection:** IP20
- **Mounting position:** free
- **Duty cycle:** up to 100 %
- **Bearing system:** Ball Bearings
- **Torque Constant :** 53 mNm/A
- **Weight:** 0,35 kg
- **Rotor Inertia:** 37 gcm<sup>2</sup>
- **Oper. Temp. Range:** -20 °C to +45 °C
- **Max. Temp. Rise:** 70 K
- **Direction of Rotation:** CW / CCW
- **Class of Insulation:** H
- **Shaft Material:** Steel, not hardened
- **Number of Poles:** 8

### Options

- **Integrated Drive Electro.:** Yes
- **Planetary Gearbox:** Yes
- **Sensorless Operation:** Yes
- **Shaft hardened (Surface):** Yes

### Features

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