



MOTOR DATA SHEET

Motor type: **Sg160M-8_4_2**

Series: **MULTI SPEED**



06-06-2025

ELECTRICAL PARAMETERS

| U | CONN. | f | P | | Duty | I | n | T | TL/T | TB/T | IL/I | Efficiency at load [%] | | | Power factor at load [-] | | |
|-----|-------|----|-----|-----|------|------|------|-------|------|------|------|------------------------|------|------|--------------------------|------|------|
| V | - | Hz | kW | HP | - | A | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Y | 50 | 2.7 | 3.6 | S1 | 8 | 725 | 35.57 | 1.6 | 2.2 | 3.9 | 70.6 | 75.2 | 76.4 | 0.43 | 0.43 | 0.64 |
| 400 | Δ | 50 | 5.3 | 7.2 | S1 | 11.6 | 1475 | 34.31 | 1.4 | 2.6 | 6.4 | 78.7 | 82.0 | 82.7 | 0.60 | 0.60 | 0.80 |
| 400 | YY | 50 | 7.0 | 9.4 | S1 | 13.7 | 2940 | 22.74 | 1.2 | 2.4 | 6.8 | 73.0 | 77.6 | 79.1 | 0.85 | 0.85 | 0.93 |

GENERAL DATA

| | | | |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | 66 70 80 |
| Frame size | 160 | Sound power level [dB] | 73 76 78 |
| Number of poles | 8 4 2 | Terminal box position | top |
| Starting method | DOL / DOL / DOL | Possibility of terminal box rotation | yes |
| Insulation class | F | Bearing on D-side | 63092Z |
| Frequency converter supply | on demand | Bearing on ND-side | 63092Z |
| Mounting arrangement | IMB3/B5/B35/B14 | Bearings regreasing | on demand |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight (IMB3) [kg] | 110 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.061 | Bearing shields - material | cast iron |
| Direction of rotation | CW/CCW | Painting | RAL5010 |
| Degree of protection | IP 55 | Climatic execution | N |

ENVIRONMENTAL CONDITIONS

| | | | |
|--------------------------|-----------|------------------------------|------------|
| Ambient temperature [°C] | up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%] | up to 95 | | |

ACCESSORY

| | | | |
|--------------------------------|-----------|---------------------------------|-----------|
| Number of terminals or cables | 6 | Temperature sensors in bearings | on demand |
| Cable glands/inlets | 1 | Winding heaters | on demand |
| Temperature sensors in winding | on demand | Optional accessories | on demand |

STANDARDS

IEC 60034-1

CERTIFICATES

on demand