



MOTOR DATA SHEET

Motor type: **Sg160L-6_4**

Series: **MULTI SPEED**

13-06-2025

ELECTRICAL PARAMETERS

| U | CONN. | f | P | | Duty | I | n | T | TL/T | TB/T | IL/I | Efficiency at load [%] | | | Power factor at load [-] | | |
|-----|-------|----|------|------|------|------|------|-------|------|------|------|------------------------|------|------|--------------------------|------|------|
| | | | kW | HP | | | | | | | | - | A | rpm | Nm | - | - |
| 400 | Y | 50 | 7.0 | 9.4 | S1 | 15 | 970 | 68.92 | 2.3 | 2.9 | 7.3 | 83.0 | 85.0 | 85.0 | 0.58 | 0.71 | 0.79 |
| 400 | Y | 50 | 10.8 | 14.7 | S1 | 20.4 | 1450 | 71.13 | 1.9 | 2.8 | 7.2 | 85.1 | 86.9 | 86.8 | 0.74 | 0.84 | 0.88 |

GENERAL DATA

| | | | |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | 66 67 |
| Frame size | 160 | Sound power level [dB] | 69 77 |
| Number of poles | 6 4 | Terminal box position | top |
| Starting method | 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] | 135 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 0.097 | 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