



MOTOR DATA SHEET

Motor type: **2Sg315M12_8_6**

Series: **MULTI SPEED**

24
68
POLES
MULTI
SPEED

23-02-2026

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----------|-----------|-----------|------|----------|------------|-----------|-------------|-------------|-------------|------------------------|------|------|--------------------------|------|------|
| <i>U</i> | CONN. | <i>f</i> | <i>P</i> | | Duty | <i>I</i> | <i>n</i> | <i>T</i> | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] | | | Power factor at load [-] | | |
| <i>V</i> | - | Hz | <i>kW</i> | <i>HP</i> | - | <i>A</i> | <i>rpm</i> | <i>Nm</i> | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Δ | 50 | 30 | 41 | S1 | 100 | 495 | 579 | 2.6 | 2.0 | 4.6 | 80.5 | 84.8 | 86.7 | 0.31 | 0.41 | 0.50 |
| 400 | Y | 50 | 35 | 48 | S1 | 67 | 737 | 454 | 2.2 | 1.7 | 5.4 | 90.1 | 89.9 | 88.4 | 0.74 | 0.82 | 0.85 |
| 400 | YY | 50 | 60 | 82 | s1 | 109 | 990 | 579 | 2.1 | 2.2 | 7.0 | 92.0 | 92.8 | 92.5 | 0.74 | 0.83 | 0.86 |

| GENERAL DATA | | | |
|---------------------------------------|------------------------|--------------------------------------|---------------|
| Efficiency class | - | Sound pressure level [dB] | - |
| Frame size | 315 | Sound power level [dB] | - |
| Number of poles | 12 8 6 | Terminal box position | on right side |
| Starting method | DOL or Y/Δ / DOL / DOL | Possibility of terminal box rotation | yes |
| Insulation class | F | Bearing on D-side | 6318P63E1 |
| Frequency converter supply | on demand | Bearing on ND-side | 6318P63E1 |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight (IMB3) [kg] | 880 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 2.86 | Bearing shields - material | cast iron |
| Direction of rotation | CW/CCW | Painting | RAL5010 |
| Degree of protection | IP55 | 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 | 12 | Temperature sensors in bearings | on demand |
| Cable glands/inlets | 2 + 1 | Winding heaters | on demand |
| Temperature sensors in winding | yes | Optional accessories | on demand |

| STANDARDS | | | |
|-------------|--|--|--|
| IEC 60034-1 | | | |

| CERTIFICATES | | | |
|--------------|--|--|--|
| on demand | | | |