



MOTOR DATA SHEET

Motor type: **PSg112M-4A**

Series: **IE1**

18-02-2026

| 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> | - | A | <i>rpm</i> | <i>Nm</i> | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Δ | 50 | 5.5 | 7.5 | S1 | 11.3 | 1425 | 36.86 | 2.5 | 3.1 | 6.45 | 84.1 | 84.9 | 83.9 | 0.64 | 0.77 | 0.84 |
| 690 | Y | 50 | 5.5 | 7.5 | S1 | 6.5 | 1425 | 36.86 | 2.5 | 3.1 | 6.45 | 84.1 | 84.9 | 83.9 | 0.64 | 0.77 | 0.84 |

GENERAL DATA

| | | | |
|----------------------------|------------|---------------------------------------|-------------|
| Efficiency class | - | Sound pressure level [dB] | 61 |
| Frame size | 112 | Sound power level [dB] | 72 |
| Number of poles | 4 | Terminal box position | top |
| Starting method | DOL or Y/Δ | Possibility of terminal box rotation | yes |
| Bearing on D-side | 6306 2Z C3 | Frequency converter supply | yes |
| Bearing on ND-side | 6306 2Z C3 | Mounting arrangement | IMB3/B5/B35 |
| Bearings regreasing | no | Cooling method | IC411 |
| Housing - material | aluminium | Weight (IMB3) [kg] | 39.0 |
| Feet - material | aluminium | Moment of inertia [kgm ²] | 0.012 |
| 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 | 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