

MOTOR DATA SHEET

Motor type: **2SUg280S8**

Series: **General purpose**



25-05-2025

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 | 37 | 50 | S1 | 77 | 730 | 484 | - | 2.9 | - | - | - | 91.0 | - | - | 0.76 |

GENERAL DATA

| | | | |
|---------------------------------------|-------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | - |
| Frame size | 280 | Sound power level [dB] | - |
| Number of poles | 8 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | no |
| Insulation class | F | Bearing on D-side | 6217C3 |
| Frequency converter supply | on demand | Bearing on ND-side | 6217C3 |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight (IMB3) [kg] | 655 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 1.64 | 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 | 3+3 | Temperature sensors in bearings | on demand |
| Cable glands/inlets | 3 | Winding heaters | on demand |
| Temperature sensors in winding | 3 x PTC | Optional accessories | on demand |

STANDARDS

| |
|-------------|
| IEC 60034-1 |
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ADDITIONAL INFO

| | | | |
|------------------------|--------|-----------------------------------|--------|
| Rotor voltage [V] | 175 | Rotor current [A] | 133 |
| Rotor resistance [ohm] | 0.0445 | Additional rotor resistance [ohm] | 0.7597 |