

MOTOR DATA SHEET

Motor type: **2Sg280M8_6_4**

Series: **MULTI SPEED**



05-05-2024

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 | N | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Δ | 50 | 34 | 46 | S1 | 66 | 740 | 439 | 2.5 | 2.5 | 7.2 | - | - | 91.0 | - | - | 0.82 |
| 400 | Y | 50 | 42 | 56 | S1 | 77 | 985 | 407 | 2.1 | 2.5 | 7.5 | - | - | 90.0 | - | - | 0.87 |
| 400 | YY | 50 | 55 | 74 | S1 | 95 | 1480 | 355 | 2.5 | 2.8 | 8.5 | - | - | 89.0 | - | - | 0.94 |

GENERAL DATA

| | | | |
|---------------------------------------|-----------------|--------------------------------------|---------------|
| Efficiency class | - | Sound pressure level [dB] | - |
| Frame size | 280 | Sound power level [dB] | - |
| Number of poles | 8 6 4 | Terminal box position | on right side |
| Starting method | DOL / DOL / DOL | Possibility of terminal box rotation | yes |
| Insulation class | F | Bearing on D-side | 6317P63E1 |
| Frequency converter supply | on demand | Bearing on ND-side | 6317P63E1 |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight [kg] | 635 | Feet - material | cast iron |
| Moment of inertia [kgm ²] | 2.15 | 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 | 9 | 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