

MOTOR DATA SHEET

Motor type: 2Sg280S12_6

Series: MULTI SPEED



22-10-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|----|----|------|----|-----|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | , | • | Duty | 1 | n | Т | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at l | oad [-] |
| V | - | Hz | kW | HP | - | Α | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Δ | 50 | 21 | 28 | S1 | 55 | 492 | 408 | 2.0 | 2.2 | 4.4 | - | - | 87.3 | - | - | 0.63 |
| 400 | YY | 50 | 38 | 51 | S1 | 68 | 985 | 368 | 1.6 | 1.7 | 5.3 | - | - | 91.0 | - | - | 0.89 |

| GENERAL DATA | | | | | | | |
|----------------------------|------------------|--------------------------------------|---------------|--|--|--|--|
| Efficiency class | - | Sound pressure level [dB] | - | | | | |
| Frame size | 280 | Sound power level [dB] | - | | | | |
| Number of poles | 12 6 | Terminal box position | on right side | | | | |
| Starting method | DOL or Y/Δ / 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 (IMB3) [kg] | 510 | Feet - material | cast iron | | | | |
| Moment of inertia [kgm2] | 1.47 | 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 | |

