

MOTOR DATA SHEET

Motor type: 2Sg280M4_2

Series: MULTI SPEED



22-10-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|----|-----|------|-----|------|-----|------|------|------|--------|-------------|-------|-------|-------------|---------|
| U | CONN. | f | , | Þ | Duty | 1 | n | Т | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | 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 | 75 | 100 | S1 | 126 | 1485 | 482 | 1.8 | 1.9 | 6.8 | 94.4 | 94.6 | 94.2 | 0.77 | 0.85 | 0.91 |
| 400 | YY | 50 | 90 | 121 | S1 | 148 | 2963 | 290 | 1.3 | 1.9 | 6.3 | 91.8 | 92.5 | 92.5 | 0.91 | 0.94 | 0.95 |

| GENERAL DATA | | | | | | | |
|----------------------------|------------------|--------------------------------------|---------------|--|--|--|--|
| Efficiency class | - | Sound pressure level [dB] | 69 80 | | | | |
| Frame size | 280 | Sound power level [dB] | 79 90 | | | | |
| Number of poles | 4 2 | 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] | 630 | Feet - material | cast iron | | | | |
| Moment of inertia [kgm2] | 1.63 | 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 | |

