



MOTOR DATA SHEET

Motor type: **SIE447TS2B**

Series: **NEMA PREMIUM**

13-01-2025

| 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 |
| 460 | Δ | 60 | 186 | 250 | cont. | 263 | 3579 | 497.6 | 1.8 | 2.7 | 7.3 | 96.1 | 96.2 | 95.8 | 0.89 | 0.92 | 0.93 |

| GENERAL DATA | | | |
|-----------------------------------------|--------------|--------------------------------------|-----------|
| Efficiency class | NEMA PREMIUM | Sound pressure level [dB] | 93 |
| Frame size | 447 | Sound power level [dB] | 103 |
| Number of poles | 2 | Terminal box position | left side |
| Starting method | DOL, PWS | Possibility of terminal box rotation | yes |
| Insulation class | F | Bearing on D-side | 6315C3 |
| Frequency converter supply | on demand | Bearing on ND-side | 6315C3 |
| Mounting arrangement | IMB3/IMB35 | Bearings regreasing | yes |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight [Lbs] | 2271 | Feet - material | cast iron |
| Moment of inertia [Lb-Ft ²] | 36.9 | 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 | 12 | Temperature sensors in bearings | on demand |
| Cable glands/inlets | 2 | Winding heaters | on demand |
| Temperature sensors in winding | 3 x PTC | Optional accessories | on demand |

| STANDARDS | |
|-----------|--|
| NEMA MG-1 | |

| CERTIFICATES | |
|--------------|--|
| CSA | |

| ADDITIONAL INFO | | | |
|-----------------|---|------------------|---|
| NEMA design | B | NEMA code letter | G |