



MOTOR DATA SHEET

Motor type: **STe445TS**

Series: **NEMA E pact**

18-02-2026

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----------|-----------|-----------|-------|----------|------------|-----------|-------------|-------------|-------------|------------------------|------|------|--------------------------|-----|-----|
| <i>U</i> | CONN. | <i>f</i> | <i>P</i> | | Duty | <i>I</i> | <i>n</i> | <i>T</i> | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] | | | Power factor at load [-] | | |
| <i>V</i> | - | Hz | <i>kW</i> | <i>HP</i> | - | A | <i>rpm</i> | <i>Nm</i> | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 460 | Δ | 60 | 110 | 150 | cont. | 160 | 3569 | 300 | 1.8 | 2.15 | 6.5 | 95.7 | 96.0 | 95.4 | 89.5 | 92 | 92 |

GENERAL DATA

| | | | |
|---|------------|--------------------------------------|-----------|
| Efficiency class | NEMA EPACT | Sound pressure level [dB] | 82 |
| Frame size | 445 | Sound power level [dB] | 92 |
| 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] | 1407 | Feet - material | cast iron |
| Moment of inertia [Lb-Ft ²] | 20.7 | 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 | on demand | Optional accessories | on demand |

STANDARDS

NEMA MG-1

CERTIFICATES

CSA

ADDITIONAL INFO

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