

MOTOR DATA SHEET

Motor type: **SIE284TS2**

Series: **NEMA PREMIUM**



29-10-2025

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----|------|----|-------|------|------|----|------|------|------|--------|-------------|-------|-------|----------------|---------|
| U | CONN. | f | F | • | Duty | 1 | n | Т | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at lo | oad [-] |
| V | - | Hz | kW | HP | - | Α | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 460 | Δ | 60 | 18.5 | 25 | cont. | 29.5 | 3555 | 50 | 3.5 | 3 | 1 | 91.3 | 92.4 | 92.4 | 0.74 | 0.82 | 0.86 |

| GENERAL DATA | | | | | | |
|----------------------------|--------------|--------------------------------------|-----------|--|--|--|
| Efficiency class | NEMA PREMIUM | Sound pressure level [dB] | - | | | |
| Frame size | 284 | Sound power level [dB] | - | | | |
| 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 | 63112ZC3 | | | |
| Frequency converter supply | on demand | Bearing on ND-side | 63112ZC3 | | | |
| Mounting arrangement | IMB3/IMB35 | Bearings regreasing | no | | | |
| Cooling method | IC411 | Housing - material | cast iron | | | |
| Weight [Lbs] | 348 | Feet - material | cast iron | | | |
| Moment of inertia [Lb-Ft2] | 1.72 | 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 | 1 | Winding heaters | on demand | | | |
| Temperature sensors in winding | on demand | Optional accessories | on demand | | | |

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

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

| | ADDITIONAL INFO | | | | | | |
|-------------|-----------------|------------------|---|--|--|--|--|
| NEMA design | А | NEMA code letter | Н | | | | |

