

MOTOR DATA SHEET

Motor type: SIE286T4

Series: **NEMA PREMIUM**



30-11-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|----|----|-------|------|------|-------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | , | D | 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 |
| 460 | Δ | 60 | 22 | 30 | cont. | 37.5 | 1780 | 119.9 | 3.5 | 3.9 | 9.3 | 91.3 | 93.0 | 93.6 | 0.61 | 0.73 | 0.80 |

| GENERAL DATA | | | | | | |
|----------------------------|--------------|--------------------------------------|-----------|--|--|--|
| Efficiency class | NEMA PREMIUM | Sound pressure level [dB] | - | | | |
| Frame size | 286 | Sound power level [dB] | - | | | |
| Number of poles | 4 | 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] | 441 | Feet - material | cast iron | | | |
| Moment of inertia [Lb-Ft2] | 3.84 | 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 | Α | NEMA code letter | L | | | |

