



## MOTOR DATA SHEET

Motor type: **SIE445T4**

Series: **NEMA PREMIUM**

04-05-2025

### 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 | 110 | 150 | cont. | 161 | 1788 | 597.9 | 1.8  | 2    | 6.7  | 96.1                   | 96.2 | 95.8 | 0.86                     | 0.90 | 0.91 |

### GENERAL DATA

|   |              |                                      |           |
|---|--------------|--------------------------------------|-----------|
| Efficiency class                        | NEMA PREMIUM | Sound pressure level [dB]            | 77        |
| Frame size                              | 445          | Sound power level [dB]               | 87        |
| 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                    | 6318C3    |
| Frequency converter supply              | on demand    | Bearing on ND-side                   | 6318C3    |
| Mounting arrangement                    | IMB3/IMB35   | Bearings regreasing                  | yes       |
| Cooling method                          | IC411        | Housing - material                   | cast iron |
| Weight [Lbs]                            | 1823         | Feet - material                      | cast iron |
| Moment of inertia [Lb-Ft <sup>2</sup> ] | 52.7         | 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 | 3 x PTC | Optional accessories            | on demand |

### STANDARDS

NEMA MG-1

### CERTIFICATES

CSA

### ADDITIONAL INFO

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