



## MOTOR DATA SHEET

Motor type: **SIE284TS2**

Series: **NEMA PREMIUM**

11-02-2025

### 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 | 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-Ft <sup>2</sup> ] | 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 | A | NEMA code letter | H |
|-------------|---|------------------|---|