



## MOTOR DATA SHEET

Motor type: **Sh355H4A**

Series: **HIGH EFFICIENCY**

01-05-2025

### ELECTRICAL PARAMETERS

| U    | CONN. | f  | P   |     | Duty | I    | n    | T    | TL/T | TB/T | IL/I | Efficiency at load [%] |   |      | Power factor at load [-] |     |      |
|------|-------|----|-----|-----|------|------|------|------|------|------|------|------------------------|---|------|--------------------------|-----|------|
|      |       |    | kW  | HP  |      |      |      |      |      |      |      | -                      | - | -    | 2/4                      | 3/4 | 4/4  |
| 6000 | Y     | 50 | 160 | 220 | S1   | 19.6 | 1490 | 1026 | 1.2  | 2.6  | 6.4  | -                      | - | 95.6 | -                        | -   | 0.82 |

### GENERAL DATA

|                                       |                                    |                                      |             |
|---------------------------------------|------------------------------------|--------------------------------------|-------------|
| Efficiency class                      | -                                  | Sound pressure level [dB]            | 82          |
| Frame size                            | 355                                | Sound power level [dB]               | -           |
| Number of poles                       | 4                                  | Terminal box position                | top/ * side |
| Starting method                       | DOL                                | Possibility of terminal box rotation | yes         |
| Insulation class                      | F                                  | Bearing on D-side                    | 6322MC3     |
| Frequency converter supply            | on demand                          | Bearing on ND-side                   | 6322MC3     |
| Mounting arrangement                  | B3/B35/V1*                         | Bearings regreasing                  | yes         |
| Cooling method                        | IC411                              | Housing - material                   | cast iron   |
| Weight (IMB3) [kg]                    | 1950                               | Feet - material                      | cast iron   |
| Moment of inertia [kgm <sup>2</sup> ] | 4.3                                | Bearing shields - material           | cast iron   |
| Direction of rotation                 | CW or CCW (according to the order) | Painting                             | RAL5010     |
| Degree of protection                  | IP55                               | Climatic execution                   | N           |

### ENVIRONMENTAL CONDITIONS

|                          |                    |                              |            |
|--------------------------|--------------------|------------------------------|------------|
| Ambient temperature [°C] | from -20 up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%]    | up to 95           |                              |            |

### ACCESSORY

|                                |                          |                                 |                          |
|--------------------------------|--------------------------|---------------------------------|--------------------------|
| Number of terminals or cables  | 3                        | Temperature sensors in bearings | 2 x Pt100 (1 pc/bearing) |
| Cable glands/inlets            | 1                        | Winding heaters                 | on demand                |
| Temperature sensors in winding | 6 x Pt100 (2 pcs./phase) | Optional accessories            | on demand                |

### STANDARDS

IEC 60034-1

### CERTIFICATES

on demand