

## MOTOR DATA SHEET

Motor type: **SEMH80-4A**

Series: **Single phase**



06-06-2025

### 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  |
| 230 | -     | 50 | 0.37 | 0.50 | S1   | 3 | 1350 | 2.62 | 0.9  | 1.8  | 2.3  | -                      | -   | 64.0 | -                        | -   | 0.85 |

### GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | -               | Sound pressure level [dB]            | -         |
| Frame size                            | 80              | Sound power level [dB]               | -         |
| Number of poles                       | 4               | Terminal box position                | top       |
| Starting method                       | DOL             | Possibility of terminal box rotation | yes       |
| Insulation class                      | F               | Bearing on D-side                    | 62042Z    |
| Frequency converter supply            | -               | Bearing on ND-side                   | 62042Z    |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method                        | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]                    | 8.3             | Feet - material                      | aluminium |
| Moment of inertia [kgm <sup>2</sup> ] | 0.00156         | Bearing shields - material           | aluminium |
| Direction of rotation                 | CW/CCW          | Painting                             | RAL5010   |
| Degree of protection                  | IP 54/IP 55     | Climatic execution                   | U/2       |

### ENVIRONMENTAL CONDITIONS

|                          |                    |                              |            |
|--------------------------|--------------------|------------------------------|------------|
| Ambient temperature [°C] | from -15 up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%]    | up to 95           |                              |            |

### ACCESSORY

|                                |    |                                 |           |
|--------------------------------|----|---------------------------------|-----------|
| Number of terminals or cables  | 4  | Temperature sensors in bearings | no        |
| Cable glands/inlets            | 1  | Winding heaters                 | no        |
| Temperature sensors in winding | no | Optional accessories            | on demand |

### STANDARDS

|             |
|-------------|
| IEC 60034-1 |
|-------------|

### CERTIFICATES

|           |
|-----------|
| on demand |
|-----------|

### ADDITIONAL INFO

|                          |    |                               |   |
|--------------------------|----|-------------------------------|---|
| Run capacitor [mikroF/V] | 14 | Starting capacitor [mikroF/V] | - |
|--------------------------|----|-------------------------------|---|