



## MOTOR DATA SHEET

Motor type: **Sh90-8\_4L**

Series: **MULTI SPEED**

24  
68  
POLES  
MULTI  
SPEED

03-02-2026

| ELECTRICAL PARAMETERS |       |          |           |           |      |          |            |           |             |             |             |                        |     |      |                          |     |      |
|-----------------------|-------|----------|-----------|-----------|------|----------|------------|-----------|-------------|-------------|-------------|------------------------|-----|------|--------------------------|-----|------|
| <i>U</i>              | CONN. | <i>f</i> | <i>P</i>  |           | Duty | <i>I</i> | <i>n</i>   | <i>T</i>  | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] |     |      | Power factor at load [-] |     |      |
| <i>V</i>              | -     | Hz       | <i>kW</i> | <i>HP</i> | -    | A        | <i>rpm</i> | <i>Nm</i> | -           | -           | -           | 2/4                    | 3/4 | 4/4  | 2/4                      | 3/4 | 4/4  |
| 400                   | Δ     | 50       | 0.55      | 0.73      | S1   | 2.1      | 670        | 7.84      | 1.6         | 1.6         | 2.2         | -                      | -   | 55.0 | -                        | -   | 0.70 |
| 400                   | YY    | 50       | 1.0       | 1.3       | S1   | 2.5      | 1350       | 7.07      | 1.5         | 1.6         | 2.4         | -                      | -   | 58.0 | -                        | -   | 0.90 |

## GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | -               | Sound pressure level [dB]            | -         |
| Frame size                            | 90              | Sound power level [dB]               | -         |
| Number of poles                       | 8 4             | Terminal box position                | top       |
| Starting method                       | DOL / DOL       | Possibility of terminal box rotation | yes       |
| Insulation class                      | F               | Bearing on D-side                    | 62052Z    |
| Frequency converter supply            | on demand       | Bearing on ND-side                   | 62052Z    |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method                        | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]                    | 13              | Feet - material                      | aluminium |
| Moment of inertia [kgm <sup>2</sup> ] | 0.0032          | 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] | up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%]    | up to 95  |                              |            |

## ACCESSORY

|                               |   |  |
|-------------------------------|---|--|
| Number of terminals or cables | 6 |  |
|-------------------------------|---|--|

## STANDARDS

IEC 60034-1

## CERTIFICATES

on demand