

## MOTOR DATA SHEET

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

Series: **Multi speed**



15-06-2025

### 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  |
| 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 |
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