

MOTOR DATA SHEET

Motor type: **SEMH90-2L**

Series: **SINGLE PHASE**



15-05-2025

ELECTRICAL PARAMETERS

| U | CONN. | f | P | | Duty | I | n | T | TL/T | TB/T | IL/I | Efficiency at load [%] | | | Power factor at load [-] | | |
|-----|-------|----|-----|----|------|------|------|------|------|------|------|------------------------|-----|------|--------------------------|-----|------|
| V | - | Hz | kW | HP | - | A | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 230 | - | 50 | 1.5 | 2 | S1 | 10.2 | 2700 | 5.31 | 0.7 | 1.6 | 2.8 | - | - | 71.0 | - | - | 0.90 |

GENERAL DATA

| | | | |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | - |
| Frame size | 90 | Sound power level [dB] | - |
| Number of poles | 2 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | yes |
| Insulation class | F | Bearing on D-side | 62052Z |
| Frequency converter supply | - | Bearing on ND-side | 62052Z |
| Mounting arrangement | IMB3/B5/B35/B14 | Bearings regreasing | no |
| Cooling method | IC411 | Housing - material | aluminium |
| Weight (IMB3) [kg] | 15.2 | Feet - material | aluminium |
| Moment of inertia [kgm ²] | 0.0016 | 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 |
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CERTIFICATES

| |
|-----------|
| on demand |
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ADDITIONAL INFO

| | | | |
|--------------------------|----|-------------------------------|---|
| Run capacitor [mikroF/V] | 40 | Starting capacitor [mikroF/V] | - |
|--------------------------|----|-------------------------------|---|