

MOTOR DATA SHEET

Motor type: **SEMh90-4S**

Series: SINGLE PHASE



29-10-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|------|----|------|-----|------|------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | ŀ |) | Duty | 1 | n | Т | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at l | oad [-] |
| V | - | Hz | kW | HP | - | Α | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 230 | - | 50 | 0.75 | 1 | S1 | 5.6 | 1340 | 5.19 | 0.65 | 1.5 | 2.5 | - | - | 65.0 | - | - | 0.90 |

| GENERAL DATA | | | | | | |
|----------------------------|-----------------|--------------------------------------|-----------|--|--|--|
| Efficiency class | - | Sound pressure level [dB] | - | | | |
| Frame size | 90 | 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 | 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] | 12.5 | Feet - material | aluminium | | | |
| Moment of inertia [kgm2] | 0.0024 | 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] | 25 | Starting capacitor [mikroF/V] | - | | | |

