



MOTOR DATA SHEET

Motor type: **SEh90-4SF**

Series: **SINGLE PHASE**

30-09-2020

ELECTRICAL PARAMETERS

| U | CONN. | f | P | | Duty | I | n | T | TL/T | TB/T | IL/I | Efficiency at load [%] | | | Power factor at load [-] | | |
|-----|-------|----|-----|-----|------|-----|------|-----|------|------|------|------------------------|---|----|--------------------------|-----|-----|
| | | | kW | HP | | | | | | | | - | - | - | 2/4 | 3/4 | 4/4 |
| 230 | - | 50 | 1.1 | 1.5 | S1 | 7.5 | 1400 | 7.5 | 1.6 | 1.5 | 4 | - | - | 73 | - | - | 0.9 |

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 [kg] | 13.7 | Feet - material | aluminium |
| Moment of inertia [kgm ²] | 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] | 30 | Starting capacitor [mikroF/V] | 75 |
|--------------------------|----|-------------------------------|----|