



MOTOR DATA SHEET

Motor type: **Sh71-8_4BW**

Series: **MULTI SPEED**

04-12-2024

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 |
| 400 | Y | 50 | 0.09 | 0.12 | S1 | 0.45 | 680 | 1.26 | 1.5 | 1.6 | 2.0 | - | - | 40.0 | - | - | 0.75 |
| 400 | YY | 50 | 0.25 | 0.34 | S1 | 1.2 | 1430 | 1.67 | 1.5 | 1.6 | 4.0 | - | - | 50.0 | - | - | 0.65 |

GENERAL DATA

| | | | |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class | - | Sound pressure level [dB] | - |
| Frame size | 71 | 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 | 62032Z |
| Frequency converter supply | on demand | Bearing on ND-side | 62032Z |
| Mounting arrangement | IMB3/B5/B35/B14 | Bearings regreasing | no |
| Cooling method | IC411 | Housing - material | aluminium |
| Weight (IMB3) [kg] | 6 | Feet - material | aluminium |
| Moment of inertia [kgm ²] | 0.000946 | 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 | | |
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STANDARDS

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| IEC 60034-1 |
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CERTIFICATES

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| on demand |
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