

PRODUCT INFORMATION PACKET

Model No: SRWS24KF2W1BHS5L1X2

Catalog No:

485 kW, Rolling Mill Duty Motors, 3 phase, 1500 RPM, 415 V, RW13644 Frame,



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Nameplate Specifications

| | | | |
|---------------------|------------------|-------------------------------|----------------|
| Phase | 3 | Output HP | 650 Hp |
| Output KW | 485 kW | Voltage | 415 V |
| Speed | 1,500 rpm | Service Factor | 1 |
| Frame | RW13644 | Efficiency | 93.0 % |
| Ambient Temperature | 45 °C | Frequency | 50 Hz |
| Current | 844.0 A | Power Factor | 0.86 |
| Duty | S1 | UL | NA |
| CSA | NA | CE | NA |
| IP Code | IP23 | RA | 365 A |
| RV | 825 V | Insulation class Stator/Rotor | Class F |
| Stator Connection | Delta | Rotor Connection | Star |

Technical Specifications

| | | | |
|-----------------------|----------------------------------|-------------------|----------------------------|
| Electrical Type | Slip Ring Induction Motor | Starting Method | LRS |
| Rotation | Bi-Direction | Mounting | B3 |
| Motor Orientation | Horizontal | Drive End Bearing | Roller |
| Opp Drive End Bearing | Ball | Frame Material | Fabricated Steel |
| Shaft Type | Cylindrical | Overall Length | 1775 mm |
| Shaft Diameter | 111.12 mm | Shaft Extension | 210 mm |
| Assembly/Box Mounting | Side | Rotor GD2 | 83 kg·m² |
| Outline Drawing | RW Series | | |

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| P | P | n | POT | T | U | f | I | RA | RV | Duty/Class | Frame |
|------|------|-------|------|------|-------|-------|-----|-----|-----|------------|---------|
| [kW] | [hp] | [RPM] | XFLT | [Nm] | (V) | [Hz] | [A] | | | | |
| 485 | 650 | 1479 | 2.2 | 319 | 415 V | 50 Hz | 844 | 365 | 825 | S1 | RW13644 |

| | | | |
|----------------------------------|---------------------------|----------------------------|-----------------------------|
| Motor type | Slip Ring Induction Motor | Degree of protection | IP23 |
| Enclosure | IP23 | Motor weight (kg)- approx. | Shall be offered on request |
| Mounting type | B3 | Motor GD2 | 83 kg ² |
| Cooling method | IC01 | Starting method | LRS/RRS |
| Voltage variation | 10% | Coupling | Direct Flexible |
| Frequency variation | 5% | Direction of rotation | Bi-Direction |
| Combined variation | 10% | Paint shade | Epoxy Shade 631 of IS:5 |
| Insulation class | Class F | Type of Terminal Box | Standard |
| Ambient temperature | 45 | Terminal box position | Side |
| Temperature rise (by resistance) | Class F | Max. Cable size | Shall be offered on request |
| Altitude above sea level | <1000 m from MSL | Bearing type | Roller |
| Efficiency at FL | 93 | Type of Lubrication | Grease |
| Power Factor at FL | 0.86 | | |
| Stator Connection | Delta | | |
| Rotor Connection | Star | | |

NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 15999

Technical data are subject to change. There may be discrepancies between calculated and name plate values.