

PRODUCT INFORMATION PACKET

Model No: SCWS17KF3K2BHS5L1X2

Catalog No:

1500 kW, Rolling Mill Duty Motors, 3 phase, 1000 RPM, 415 V, CW560LX Frame,



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Nameplate Specifications

| | | | |
|---------------------|------------------|-------------------------------|----------------|
| Phase | 3 | Output HP | 2000 Hp |
| Output KW | 1500 kW | Voltage | 415 V |
| Speed | 1,000 rpm | Service Factor | 1 |
| Frame | CW560LX | Efficiency | 95.5 % |
| Ambient Temperature | 45 °C | Frequency | 50 Hz |
| Current | 2730.0 A | Power Factor | 0.8 |
| Duty | S1 | UL | NA |
| CSA | NA | CE | NA |
| IP Code | IP23 | RA | 520 A |
| RV | 1740 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 | Ball & Roller |
| Opp Drive End Bearing | Roller | Frame Material | Fabricated Steel |
| Shaft Type | Cylindrical | Overall Length | 3250 mm |
| Shaft Diameter | 150 mm | Shaft Extension | 250 mm |
| Assembly/Box Mounting | Side | Rotor GD2 | 780 kg·m² |
| Outline Drawing | CW 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] | | | | |
| 1350 | 1800 | 988 | 2.2 | 1330 | 415 V | 50 Hz | 2354 | 590 | 1405 | S1 | CW560LX |

| | | | |
|----------------------------------|---------------------------|----------------------------|-----------------------------|
| 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 | 675 kgm 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 | Ball & Roller |
| Efficiency at FL | 95 | Type of Lubrication | Grease |
| Power Factor at FL | 0.84 | | |
| 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.