

# PRODUCT INFORMATION PACKET

Model No: SCWS17KF5J2BHS5L1X2

Catalog No:

750 kW, Rolling Mill Duty Motors, 3 phase, 600 RPM, 415 V, CW560L Frame,



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### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>1000 Hp</b>
Output KW	<b>750 kW</b>	Voltage	<b>415 V</b>
Speed	<b>600 rpm</b>	Service Factor	<b>1</b>
Frame	<b>CW560L</b>	Efficiency	<b>94.0 %</b>
Ambient Temperature	<b>45 °C</b>	Frequency	<b>50 Hz</b>
Current	<b>1461.0 A</b>	Power Factor	<b>0.76</b>
Duty	<b>S1</b>	UL	<b>NA</b>
CSA	<b>NA</b>	CE	<b>NA</b>
IP Code	<b>IP23</b>	RA	<b>540 A</b>
RV	<b>860 V</b>	Insulation class Stator/Rotor	<b>Class F</b>
Stator Connection	<b>Delta</b>	Rotor Connection	<b>Star</b>

### Technical Specifications

Electrical Type	<b>Slip Ring Induction Motor</b>	Starting Method	<b>LRS</b>
Rotation	<b>Bi-Direction</b>	Mounting	<b>B3</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball &amp; Roller</b>
Opp Drive End Bearing	<b>Roller</b>	Frame Material	<b>Fabricated Steel</b>
Shaft Type	<b>Cylindrical</b>	Overall Length	<b>3350 mm</b>
Shaft Diameter	<b>150 mm</b>	Shaft Extension	<b>250 mm</b>
Assembly/Box Mounting	<b>Side</b>	Rotor GD2	<b>717 kg·m²</b>
Outline Drawing	<b>CW Series</b>		

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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]				
750	1000	590	2.2	1237	415 V	50 Hz	1461	540	860	S1	CW560L

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	717 kgm <sup>2</sup>
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	94	Type of Lubrication	Grease
Power Factor at FL	0.76		
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.