

PRODUCT INFORMATION PACKET

Model No: SCWS16KF3J3BHS5L1X2

Catalog No:

800 kW, Rolling Mill Duty Motors, 3 phase, 1000 RPM, 415 V, CW500L Frame,



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Nameplate Specifications

Phase	3	Output HP	1070 Hp
Output KW	800 kW	Voltage	415 V
Speed	1,000 rpm	Service Factor	1
Frame	CW500L	Efficiency	94.5 %
Ambient Temperature	45 °C	Frequency	50 Hz
Current	1454.0 A	Power Factor	0.81
Duty	S1	UL	NA
CSA	NA	CE	NA
IP Code	IP23	RA	475 A
RV	1035 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	3100 mm
Shaft Diameter	125 mm	Shaft Extension	210 mm
Assembly/Box Mounting	Side	Rotor GD2	253 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]				
800	1070	985	2.2	790	415 V	50 Hz	1454	475	1035	S1	CW500L

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	253 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	94.5	Type of Lubrication	Grease
Power Factor at FL	0.81		
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.