

# PRODUCT INFORMATION PACKET

Model No: SRWS24KF3W1BHS5L1X2

Catalog No:

410 kW, Rolling Mill Duty Motors, 3 phase, 1000 RPM, 415 V, RW13644 Frame,



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### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>550 Hp</b>
Output KW	<b>410 kW</b>	Voltage	<b>415 V</b>
Speed	<b>1,000 rpm</b>	Service Factor	<b>1</b>
Frame	<b>RW13644</b>	Efficiency	<b>93.0 %</b>
Ambient Temperature	<b>45 °C</b>	Frequency	<b>50 Hz</b>
Current	<b>730.0 A</b>	Power Factor	<b>0.84</b>
Duty	<b>S1</b>	UL	<b>NA</b>
CSA	<b>NA</b>	CE	<b>NA</b>
IP Code	<b>IP23</b>	RA	<b>420 A</b>
RV	<b>600 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>Roller</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Fabricated Steel</b>
Shaft Type	<b>Cylindrical</b>	Overall Length	<b>1775 mm</b>
Shaft Diameter	<b>111.12 mm</b>	Shaft Extension	<b>210 mm</b>
Assembly/Box Mounting	<b>Side</b>	Rotor GD2	<b>105 kg·m²</b>
Outline Drawing	<b>RW 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]				
410	550	981	2.2	407	415 V	50 Hz	730	420	600	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	105 kg <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	Roller
Efficiency at FL	93	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.