

# PRODUCT INFORMATION PACKET

Model No: SRWS35KF5J2BHS5L1X2

Catalog No:

600 kW, Rolling Mill Duty Motors, 3 phase, 600 RPM, 415 V, RW168L Frame,



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



**Nameplate Specifications**

Phase	<b>3</b>	Output HP	<b>800 Hp</b>
Output KW	<b>600 kW</b>	Voltage	<b>415 V</b>
Speed	<b>600 rpm</b>	Service Factor	<b>1</b>
Frame	<b>RW168L</b>	Efficiency	<b>94.0 %</b>
Ambient Temperature	<b>45 °C</b>	Frequency	<b>50 Hz</b>
Current	<b>1234.0 A</b>	Power Factor	<b>0.72</b>
Duty	<b>S1</b>	UL	<b>NA</b>
CSA	<b>NA</b>	CE	<b>NA</b>
IP Code	<b>IP23</b>	RA	<b>610 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 &amp; Roller</b>	Frame Material	<b>Fabricated Steel</b>
Shaft Type	<b>Cylindrical</b>	Overall Length	<b>2375 mm</b>
Shaft Diameter	<b>124 mm</b>	Shaft Extension	<b>222 mm</b>
Assembly/Box Mounting	<b>Side</b>	Rotor GD2	<b>410 kg·m²</b>
Outline Drawing	<b>RW Series</b>		

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:09/28/2023

**Part Id.** SRWS35KF5J2BHS5L1X2

**Catalog No.** SRWS35KF5J2BHS5L1X2

P	P	n	POT	T	U	f	I	RA	RV	Duty/Class	Frame
[kW]	[hp]	[RPM]	XFLT	[Nm]	(V)	[Hz]	[A]				
600	800	593	2.2	984	415 V	50 Hz	1234	610	600	S1	RW168L

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	410 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	94	Type of Lubrication	Grease
Power Factor at FL	0.72		
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.