

Data sheet for three-phase Squirrel-Cage-Motors ABB

Motor type: SD200 NEMA Premium Next Generation FS: 5011S - 4p - 500 hp -

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project
Remarks		

Electrical data

U [V]	$\Delta$ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					LRC	Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	T <sub>A</sub> /T <sub>N</sub> LRT [%]	T <sub>k</sub> /T <sub>N</sub> BDT [%]
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4				
Frame Type: 5011S			Type of constr.:										Motor Prot.:			NEMA Des.:		S.F.: 1.15		
Mtr. WT: lbs			Insulation Class.:							Temp. Rise Cl.: B		Amb. Temp.: + 40 to °C @1000 m			kVA:		IP			


Mechanical data

Sound level (SPL / SWL) at 60 Hz							dB(A) / dB(A)		Thickener		Polyurea	
Octave Band Center Frequencies Hertz									Safe Stall Time Hot		s	
250      500      1000      2000      4000      8000      Hz									Safe Stall Time Cold		s	
SPL@3							dB(A)		Frame material		Cast iron	
Moment of inertia							Lb-ft²		Color, paint shade			
Ext Load Inertia Capability:							Lb ft²		Coating (paint finish)			
Bearings									Ventilation Type			
Bearing DE   NDE					6322 Z C3 S0		6322 Z C3 S0		Method of cooling		TEFC	
Bearing_Type					Ball Bearing		Ball Bearing		Direction of rotation			
AFBMA:					110BC03JP3		110BC03JP3		Fan Material			
Grease									VFD		CT:    VT: 20:1	
Capacity					17 oz		17 oz		Space heaters		without	
Grease Type:									Brake:		-/-	

Terminal box


Lead Wire Connection					Terminal box position	
Voltage	L1	L2	L3	Connected together	Material of terminal box	
					Cable entry	
					-/-	

Notes:		
I <sub>L</sub> /I <sub>N</sub> = locked rotor current / current nominal		3) Value is valid only for DOL operation with motor design IC411
M <sub>L</sub> /M <sub>N</sub> = locked rotor torque / torque nominal		2) at rated power / at full load
M <sub>b</sub> /M <sub>N</sub> = break down torque / nominal torque		

Responsible department IN LVM	Technical reference	Created by SPC	Approved by	Technical data are subject to change! There may be discrepancies			
	Document type Datasheet			Document status Released		customer	
	Document title 1LE6321-5EB8.-....			Document number			
	© ABB 2024			Revision 01	Creation date 2024-05-07 04:58	Language en	Page 1/1

Main terminal diagram

Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

Responsible department IN LVM	Technical reference	Created by	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		<a href="#">Link documents</a>	
	Document type Wiring diagramm			Document status Released			
	Document title 1LE6321-5EB8.-....			Document number WDS-240507-045826			
Restricted © Innomotics 2024				Revision AA	Creation date 2024-05-07	Language en	Page 1/1