

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

Motor type: SD200 NEMA Premium Next Generation FS: 5010S - 4p - 450 hp -

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

Electrical data

U [V]	Δ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					LRC	Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	T _A /T _N LRT [%]	T _k /T _N BDT [%]
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4				
Frame Type: 5010S			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 _L /I _N = locked rotor current / current nominal		3) Value is valid only for DOL operation with motor design IC411
M _L /M _N = locked rotor torque / torque nominal		2) at rated power / at full load
M _b /M _N = 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 1LE6321-5EB2-....			Document number			
	© ABB 2024				Revision 01	Creation date 2024-05-04 04:22	Language en

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.		Link documents	
	Document type Wiring diagramm			Document status Released			
	Document title 1LE6321-5EB2.-....			Document number WDS-240504-042219			
Restricted © Innomotics 2024				Revision AA	Creation date 2024-05-04	Language en	Page 1/1