

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

Motor type: SD200 NEMA Premium 841 FS: 447T - 4p - 200 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 <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: 447T			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						6320 Z C3 S0			6315 Z C3 S0			Method of cooling				TEFC	
Bearing_Type						Ball Bearing			Ball Bearing			Direction of rotation					
AFBMA:						100BC03JP3			75BC03JP3			Fan Material					
Grease														VFD		CT: VT: 20:1	
Capacity						15 oz			15 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	
					-/-	

<b>Notes:</b>		
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 1LE6322-4CB1.-....			Document number			
	© ABB 2024				Revision 01	Creation date 2024-05-06 15:15	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.		<a href="#">Link documents</a>	
	Document type Wiring diagramm			Document status Released			
	Document title 1LE6322-4CB1.-....			Document number WDS-240506-151520			
Restricted © Innomotics 2024				Revision AA	Creation date 2024-05-06	Language en	Page 1/1