

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

Motor type: FS: 447TS - p - 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]					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	LRC	4/4	3/4	2/4	4/4	3/4	2/4						
Frame Type: 447TS			Type of constr.:							Motor Prot.:							NEMA Des.:		S.F.: 1.15			
Mtr. WT: lbs			Insulation Class.:Standard Class F Insulation							Temp. Rise Cl.: B		Amb. Temp.: + 40 to -20 °C @1000 m							kVA:		IP 54	


Mechanical data

Sound level (SPL / SWL) at 60 Hz							dB(A) / dB(A)		Thickener			
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			
Moment of inertia							Lb-ft²		Color, paint shade			Standard Paint - RAL7030
Ext Load Inertia Capability:							Lb ft²		Coating (paint finish)			Standard Alkyed + Epoxy (C2)
Bearings									Ventilation Type			
Bearing DE   NDE									Method of cooling			
Bearing_Type							Ball Bearing		Direction of rotation			
AFBMA:									Fan Material			
Grease									VFD			CT: VT:
Capacity							oz		Space heaters			-/-
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 1LE2221-4DA3.-....			Document number				
	© ABB 2024				Revision 01	Creation date 2024-05-07 19:01	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 1LE2221-4DA3.-....			Document number WDS-240507-190151			
Restricted © Innomotics 2024				Revision AA	Creation date 2024-05-07	Language en	Page 1/1