

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

Motor type:	FS: 405T - p - 100 hp -
-------------	-------------------------

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

Remarks
---------

Electrical data	
-----------------	--

[illegible]

Frame Type: 405T	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 55

Mechanical data
-----------------

Sound level (SPL / SWL) at 60 Hz								dB(A) / dB(A)		Thickener	
Octave Band Center Frequencies Hertz										Safe Stall Time Hot	
250								500		s	
1000								2000		Safe Stall Time Cold	
4000								8000		s	
Hz										Frame material	
SPL@3								dB(A)		Color, paint shade	
Moment of inertia								Lb-ft²		Standard Paint - RAL7030	
Ext Load Inertia Capability:								Lb ft²		Coating (paint finish)	
Bearings										Standard Alkyed + Epoxy (C2)	
Bearing DE   NDE										Ventilation Type	
Bearing_Type								Ball Bearing		Method of cooling	
AFBMA:										Direction of rotation	
Grease										Fan Material	
Capacity								oz		VFD	
Grease Type:										CT: VT:	
										Space heaters	
										Brake:	


Terminal box
--------------

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

Notes:


$I_{\text{N}}/I_{\text{N}}$ = locked rotor current / current nominal $M_{\text{N}}/M_{\text{N}}$ = locked rotor torque / torque nominal $M_{\text{B}}/M_{\text{N}}$ = break down torque / nominal torque	3) Value is valid only for DOL operation with motor design IC411 2) at rated power / at full load
--	--

Responsible department IN LVM	Technical reference	Created by SPC	Approved by	<i>Technical data are subject to change! There may be discrepancies</i>
----------------------------------	---------------------	-------------------	-------------	---

	Document type Datasheet	Document status Released		customer	
	Document title 1LE2321-4AB2-....	Document number			
© ABB 2024		Revision 01	Creation date 2024-05-07 11:42	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 1LE2321-4AB2.-....			Document number WDS-240507-114221			
Restricted © Innomotics 2024				Revision AA	Creation date 2024-05-07	Language en	Page 1/1