

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

Motor type: FS: 254T - p - 7.5 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 _A /T _N LRT [%]	T _k /T _N BDT [%]	
						4/4	3/4	1/2	0	LRC		4/4	3/4	2/4	4/4	3/4	2/4				
Frame Type: 254T			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		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							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 _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 1LE2321-2BC1.-....			Document number				
					Revision 01	Creation date 2024-04-28 13:04		Language en	Page 1/1
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Main terminal diagram

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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 1LE2321-2BC1.-....			Document number WDS-240428-130421			
Restricted © Innomotics 2024				Revision AA	Creation date 2024-04-28	Language en	Page 1/1