

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

Motor type: FS: 324TS - p - 20 hp -

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

Remarks

Electrical data	
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[illegible]

Frame Type: 324TS	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)	
Octave Band Center Frequencies Hertz								
250	500	1000	2000	4000	8000	Hz		
SPL@3							dB(A)	
Moment of inertia							Lb-ft²	
Ext Load Inertia Capability:							Lb ft²	
Bearings								
Bearing DE NDE								
Bearing_Type							Ball Bearing	
AFBMA:								
Grease								
Capacity							oz	oz
Grease Type:								
Thickener								
Safe Stall Time Hot							s	
Safe Stall Time Cold							s	
Frame material								
Color, paint shade							Standard Paint - RAL7030	
Coating (paint finish)							Standard Alkyed + Epoxy (C2)	
Ventilation Type								
Method of cooling								
Direction of rotation								
Fan Material								
VFD							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
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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 1LE2221-3BD1.-....			Document number			
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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 1LE2221-3BD1.-....			Document number WDS-240506-051113			
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