

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

Motor type:	FS: 449TS - p - 250 hp -
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Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks
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Electrical data					

[illegible]

Frame Type: 449TS	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)			
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 1LE2421-4DC6.-....					Document number	
© ABB 2024			Revision 01	Creation date 2024-05-06 01:13	Language en	Page 1/1	

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.		<a href="#">Link documents</a>	
	Document type Wiring diagramm			Document status Released			
	Document title 1LE2421-4DC6.-....			Document number WDS-240506-011315			
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