

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

Motor type:	FS: 445TS - p - 100 hp -
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Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks
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Electrical data
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[illegible]

Frame Type: 445TS	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
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Sound level (SPL / SWL) at 60 Hz				dB(A) / dB(A)				Thickener	
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	
250	500	1000	2000	4000	8000	Hz		s	
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	
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
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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 1LE2421-4DD2.-....			Document number			
© ABB 2024				Revision 01	Creation date 2024-05-02 21:26	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 1LE2421-4DD2.-....			Document number WDS-240502-212628			
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