

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

Motor type:	FS: 449TS - p - 150 hp -
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Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

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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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	
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