

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

Motor type:	FS: 447TS - p - 125 hp -
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Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

[illegible][illegible]

Frame Type: 447TS	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	
Modulus of elasticity	193 GPa
Yield strength	1380 MPa
Tensile strength	1417 MPa
Elongation at break	14.3%
Impact strength	100 J/m ²
Hardness	220 HB


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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