

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

Motor type: FS: 405TS - p - 100 hp -

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

Remarks

Electrical data

[illegible]

Frame Type: 405TS	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)				Thickener			
Octave Band Center Frequencies Hertz								Safe Stall Time Hot		s	
250	500	1000	2000	4000	8000	Hz		Safe Stall Time Cold		s	
SPL@3				dB(A)				Frame material			
Moment of inertia				Lb-ft²				Color, paint shade			Standard Paint - RAL7030
Ext Load Inertia Capability:				Lb ft²				Coating (paint finish)			Standard Alkyed + Epoxy (C2)
Bearings								Ventilation Type			
Bearing DE NDE								Method of cooling			
Bearing_Type				Ball Bearing				Direction of rotation			
AFBMA:								Fan Material			
Grease								VFD			CT: VT:
Capacity				oz				Space heaters			-/-
Grease Type:								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	<i>Technical data are subject to change! There may be discrepancies</i>
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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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