

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

Motor type: FS: S449SS - p - 250 hp -

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

Remarks

Electrical data

[illegible]

Frame Type: S449SS	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)				Thickener	
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	
250	500	1000	2000	4000	8000	Hz		s	
SPL@3							dB(A)	Safe Stall Time Cold	
								s	
Moment of inertia								Lb-ft²	Frame material
Ext Load Inertia Capability:								Lb ft²	Color, paint shade
									Standard Paint - RAL7030
Bearings									Coating (paint finish)
Bearing DE NDE									Standard Alkyed + Epoxy (C2)
Bearing_Type								Ball Bearing	Ventilation Type
AFBMA:									Method of cooling
Grease									Direction of rotation
Capacity								oz	Fan Material
Grease Type:								oz	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_{r/I_N} = locked rotor current / current nominal M_r/M_N = locked rotor torque / torque nominal M_b/M_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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