

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

Motor type: FS: B449T - p - 250 hp -

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

Electrical data

U [V]	Δ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					LRC	Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	T _A /T _N LRT [%]	T _k /T _N BDT [%]
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4				
		60	250.00	185.00																
Frame Type: B449T			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					Ball Bearing			
Bearing_Type								
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 _L /I _N = locked rotor current / current nominal					3) Value is valid only for DOL operation with motor design IC411				
M _L /M _N = locked rotor torque / torque nominal					2) at rated power / at full load				
M _b /M _N = break down torque / nominal torque									

Responsible department IN LVM		Technical reference		Created by SPC		Approved by		Technical data are subject to change! There may be discrepancies			
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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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