

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

Motor type: FS: B444T - p - 100 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	T _k /T _N
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4	LRT [%]		BDT [%]	
		60	100.00	75.00																
Frame Type: B444T			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		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: <div>I_L/I_N = locked rotor current / current nominal M_L/M_N = locked rotor torque / torque nominal M_b/M_N = break down torque / nominal torque</div> <div>3) Value is valid only for DOL operation with motor design IC411 2) at rated power / at full load</div>									
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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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