

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

Motor type: FS: 145T - p - 2 hp -

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

Remarks

Electrical data

U [V]	$\Delta$ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					LRC	Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque	T <sub>A</sub> /T <sub>N</sub>	T <sub>k</sub> /T <sub>N</sub>	
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4	[lb-ft]	LRT [%]	BDT [%]		
Frame Type: 145T			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) / dBA		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 <sub>L</sub> /I <sub>N</sub> = locked rotor current / current nominal	3) Value is valid only for DOL operation with motor design IC411
M <sub>L</sub> /M <sub>N</sub> = locked rotor torque / torque nominal	2) at rated power / at full load
M <sub>b</sub> /M <sub>N</sub> = break down torque / nominal torque	

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Main terminal diagram

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