

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

Motor type: FS: 445TS - p - 150 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]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque	T _A /T _N	T _k /T _N		
						4/4	3/4	1/2	0	LRC	4/4	3/4	2/4	4/4	3/4	2/4	[lb-ft]	LRT [%]	BDT [%]		
Frame Type: 445TS			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			
SPL@3																	dB(A)			
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 _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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