

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

Motor type: SD200 NEMA Premium Next Generation FS: R509 - 4p - 400 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				
Frame Type: R509			Type of constr.:							Motor Prot.:					NEMA Des.:		S.F.: 1.15			
Mtr. WT: lbs			Insulation Class.:							Temp. Rise Cl.: B		Amb. Temp.: + 40 to °C @1000 m					kVA:		IP	

Mechanical data

Sound level (SPL / SWL) at 60 Hz							dB(A) / dB(A)		Thickener		Polyurea	
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		Cast iron	
Moment of inertia							Lb-ft²		Color, paint shade			
Ext Load Inertia Capability:							Lb ft²		Coating (paint finish)			
Bearings									Ventilation Type			
Bearing DE NDE					NU 322		6322 Z C3 S0		Method of cooling		TEFC	
Bearing_Type					Roller Bearing		Ball Bearing		Direction of rotation			
AFBMA:					110RU03M0		110BC03JP3		Fan Material			
Grease									VFD		CT: VT: 20:1	
Capacity					18 oz		17 oz		Space heaters		without	
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		

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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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