

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

Motor type:	SD200 NEMA Premium Next Generation	FS: 447T - 4p - 200 hp -
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Client order no.

Item-No.	
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Offer no.
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Order no.

Consignment no.
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Project
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Remarks
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Electrical data	
Power	100 W
Voltage	230 V
Current	0.43 A
Frequency	50 Hz
Power factor	0.95
Efficiency	0.90
Temperature	40 °C
Humidity	50 %
Altitude	1000 m
Pressure	1013 hPa
Speed	10 m/s
Acceleration	1 g
Rotation	3000 rpm
Position	1000 m
Direction	0°
Angle	0°
Distance	1000 m
Time	1000 s
Frequency	1000 Hz
Wavelength	0.3 m
Energy	100 J
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Angle	0°
Distance	1000 m
Time	1000 s
Frequency	1000 Hz
Wavelength	0.3 m

[illegible]

Frame Type: 447T	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
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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									6320 Z C3 S0			6315 Z C3 S0			Method of cooling				TEFC	
Bearing_Type									Ball Bearing			Ball Bearing			Direction of rotation					
AFBMA:									100BC03JP3			75BC03JP3			Fan Material					
Grease													VFD				CT:   VT: 20:1			
Capacity									15 oz			15 oz			Space heaters				without	
Grease Type:													Brake:				-/-			

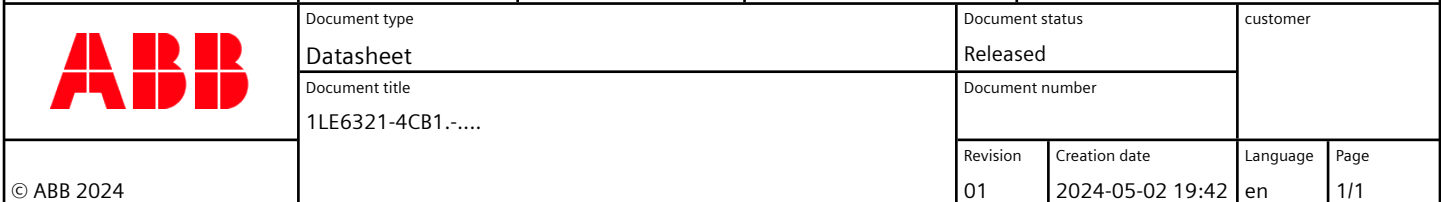
Terminal box

Lead Wire Connection					Terminal box position
Voltage	L1	L2	L3	Connected together	Material of terminal box
					Cable entry
					-/-

## Notes:

3) Value is valid only for DOL operation with motor design IC411  
2) at rated power / at full load

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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.		<a href="#">Link documents</a>	
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