

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

Motor type: FS: - p - 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:			Type of constr.:										Motor Prot.:					NEMA Des.:		S.F.: 1.15	
Mtr. WT: lbs			Insulation Class.:							Temp. Rise Cl.: B		Amb. Temp.: + 55 to °C @1000 m					kVA:		IP IP65		

Mechanical data

Sound level (SPL / SWL) at 60 Hz								dB(A) / dB(A)		Thickener									
Octave Band Center Frequencies Hertz										Safe Stall Time Hot									
250 500 1000 2000 4000 8000 Hz										Safe Stall Time Cold									
SPL@3								dB(A)		Frame material									
Moment of inertia								Lb-ft ²		Color, paint shade									
Ext Load Inertia Capability:								Lb ft ²		Coating (paint finish)									
Bearings										Ventilation Type									
Bearing DE NDE										Method of cooling									
Bearing_Type								Ball Bearing		Direction of rotation									
AFBMA:										Fan Material									
Grease										VFD									
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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		Document title 1MB2121-4AB2-.....			Document number				
					Revision 01	Creation date 2024-04-28 12:06		Language en	Page 1/1
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Main terminal diagram

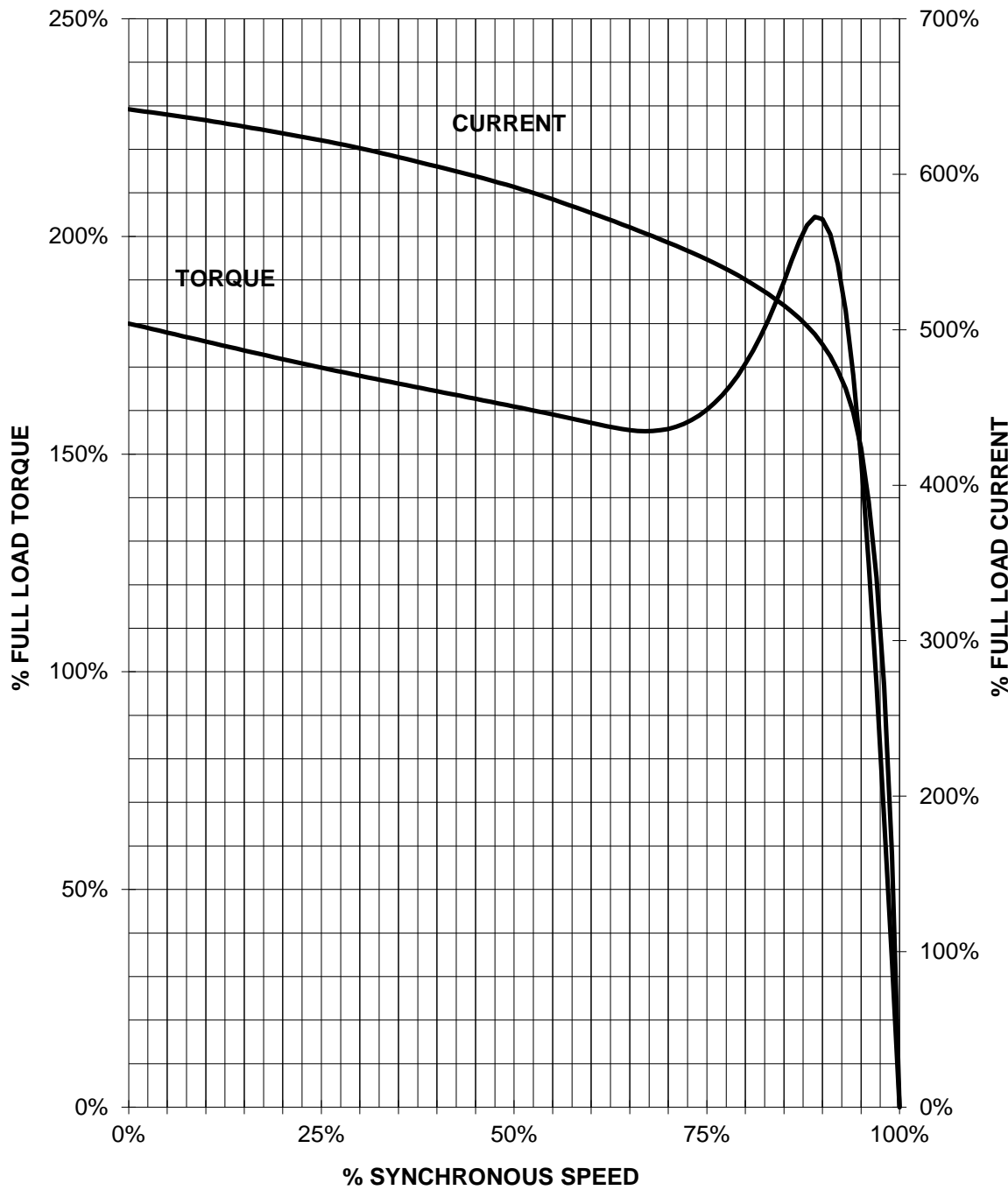
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Responsible department IN LVM	Technical reference	Created by	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
	Document type Wiring diagramm			Document status Released			
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SIEMENS INDUSTRY INC.

HP 100 VOLTS <600 RPM 1800 TYPE XP100
HZ 60 PHASE 3 FRAME 405T NEMA B

TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.
REV. 1