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] 4/4	3/4	1/2	0	LRC	Nom. Eff Load [%] 4/4	3/4	2/4	Pwr. Factor Load [%] 4/4	3/4	2/4	Torque [lb-ft]	T_A/T_N LRT [%]	T_k/T_N 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)

Octave Band Center Frequencies Hertz						
250	**500**	**1000**	**2000**	**4000**	**8000**	Hz
SPL@3						dB(A)

Moment of inertia	Lb-ft²	
Ext Load Inertia Capability:	Lb ft²	
Bearings		
Bearing DE | NDE		
Bearing_Type		Ball Bearing
AFBMA:		
Grease		
Capacity	oz	oz
Grease Type:		

Thickener	
Safe Stall Time Hot	s
Safe Stall Time Cold	s
Frame material	cast iron
Color, paint shade	
Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Ventilation Type	
Method of cooling	TEFC
Direction of rotation	
Fan Material	Polypropylen ESD
VFD	CT: VT: 20:1
Space heaters	-/-
Brake:	-/-

Terminal box

Lead Wire Connection				
Voltage	L1	L2	L3	Connected together

Terminal box position	
Material of terminal box	Cast Iron
Cable entry	-/-

Notes:

I_A/I_N = locked rotor current / current nominal
M_A/M_N = locked rotor torque / torque nominal
M_K/M_N = break down torque / nominal torque

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

Responsible department	Technical reference	Created by	Approved by	
IN LVM		SPC		*Technical data are subject to change! There may be discrepancies*

	Document type: Datasheet	Document status: Released		customer
	Document title: 1MB2121-2BC1.-....	Document number:		
		Revision: 01	Creation date: 2024-05-02 22:38	Language: en / Page: 1/1

Main terminal diagram

Responsible department	Technical reference	Created by	Approved by	*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*	Link documents
IN LVM			Created automatically		

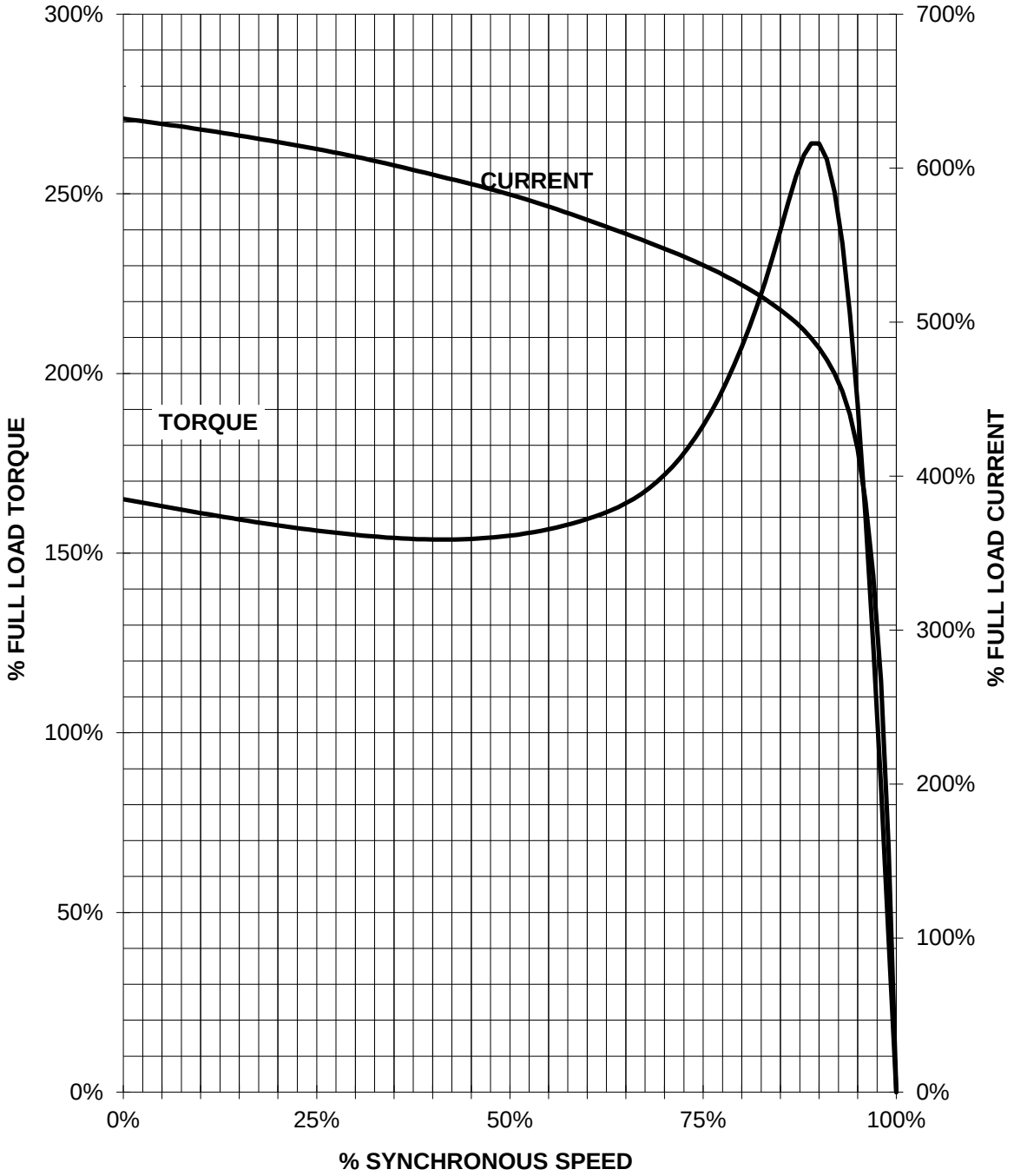
	Document type	Document status
	Wiring diagramm	Released
	Document title	Document number
	1MB2121-2BC1.-....	WDS-240502-223834

Restricted	Revision	Creation date	Language	Page
© Innomotics 2024	AA	2024-05-02	en	1/1

SIEMENS INDUSTRY, INC.

HP	7,5	VOLTS	<600	RPM	1200	TYPE	XP100
HZ	60	PHASE	3	FRAME	254T	NEMA	B

TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

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