

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]					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:			Type of constr.:										Motor Prot.:			NEMA Des.:		S.F.: 1.15		
Mtr. WT: lbs			Insulation Class.:							Temp. Rise Cl.: B		Amb. Temp.: + 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		s	
SPL@3							dB(A)		Safe Stall Time Cold	
									s	
									Frame material	
									cast iron	
Moment of inertia							Lb-ft²		Color, paint shade	
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		TEFC	
AFBMA:									Direction of rotation	
									Fan Material	
Grease									Polypropylen ESD	
Capacity							oz		VFD	
									CT: VT: 20:1	
Grease Type:							oz		Space heaters	
									-/-	
									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				
		Document type Datasheet			Document status Released		customer		
		Document title 1MB2221-4EC3.-....			Document number				
		© ABB 2024			Revision 01		Creation date 2024-05-09 04:14		Language en

Main terminal diagram

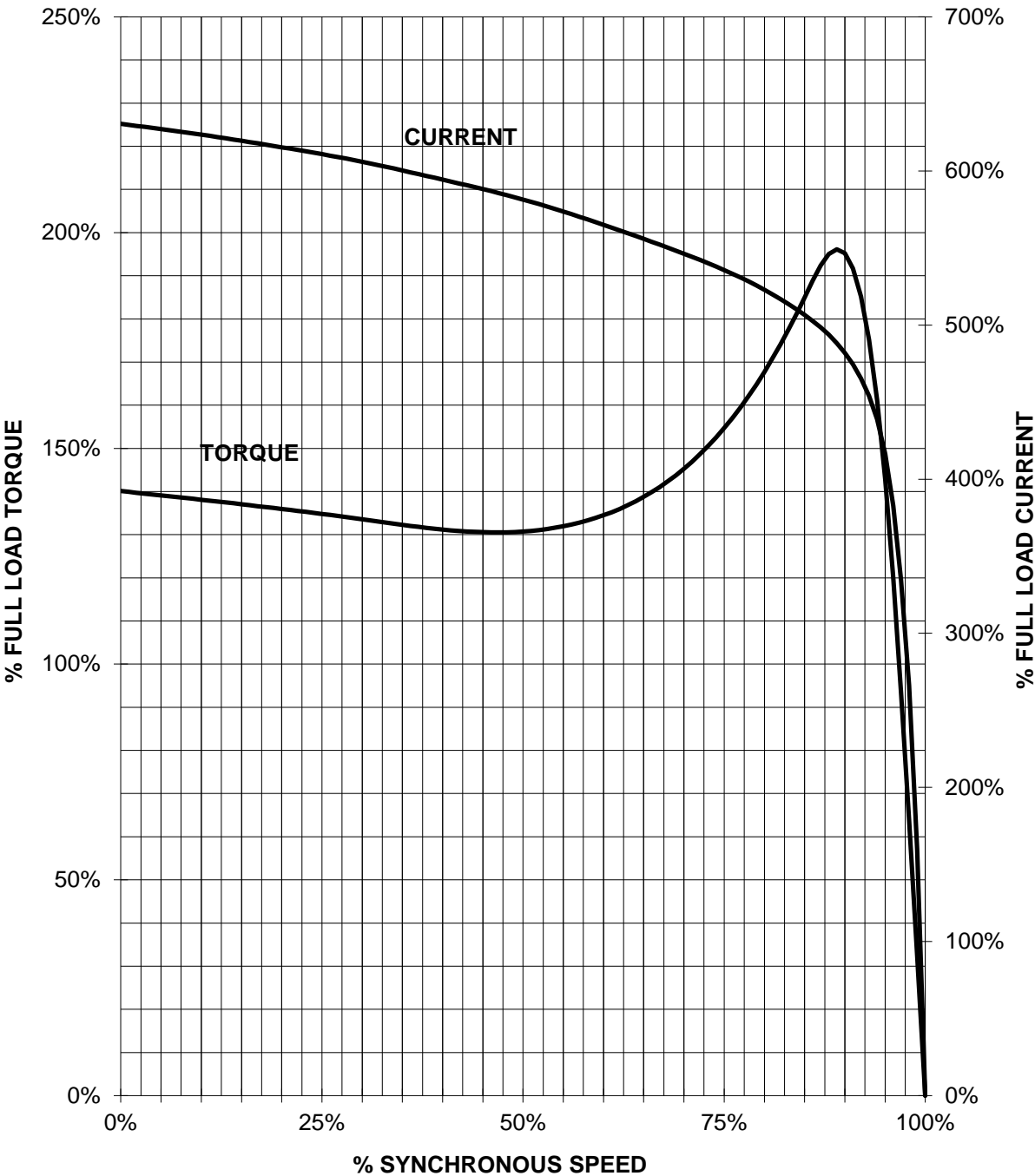
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Responsible department IN LVM	Technical reference	Created by	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
	Document type Wiring diagramm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

HP 150 VOLTS <600 RPM 1200 TYPE XP100 1D1
HZ 60 PHASE 3 FRAME B447T NEMA B

TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

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