

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

Motor type: (822) HP100 VSS Normal Thrust FS: 254 HP - 2p - 15 hp -

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Electrical data

Class I Division 2 Gr. A, B, C or D

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	T _k /T _N
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4	LRT [%]		BDT [%]	
460	Y	60	15.00		3,530	17.50	13.20	9.60	5.10	116.0	91.0	91.3	90.7	88.2	87.4	80.6	22.0	210	260	
230	Y Y	60	15.00		3,530	35.00	26.40	19.21	10.20	232.0	91.0	91.3	90.7	88.2	87.4	80.6	22.0	210	260	
400	Y	50	10.00		2,960	13.10	10.35	7.87	4.78	120.2	90.1	89.4	87.3	89.3	85.4	76.6	17.8	458	665	
200	Y Y	50	10.00		2,960	26.20	20.70	15.74	9.56	240.4	90.1	89.4	87.3	89.3	85.4	76.6	17.8	458	665	
Frame Type: 254 HP			Type of constr.: (T) Vertical P-Base									Motor Prot.: (A) No winding protection					NEMA Des.: B		S.F.: 1.15	
Mtr. WT: 309 lbs			Insulation Class.: Class F Insulation							Temp. Rise Cl.: B		Amb. Temp.: + 40 to -20 °C @1000 m					kVA: G		IP IP55	

Mechanical data

Sound level (SPL / SWL) at 60 Hz								67.0 dB(A) / 79.0 dB(A)				Capacity				1.7 oz		1.7 oz					
Octave Band Center Frequencies Hertz								Grease Type:								Exxon Mobile EM							
250 500 1000 2000 4000 8000 Hz								Thickener								Polyurea							
SPL@3								Safe Stall Time Hot								24 s							
Moment of inertia								Safe Stall Time Cold								48 s							
Ext Load Inertia Capability:								Frame material								Cast iron							
Bearings								Color, paint shade								Standard Paint - RAL7030							
Bearing DE NDE								6309 C3 S0				6309 C3 S0 DB				Coating (paint finish)				Standard Alkyed + Epoxy (C2)			
Bearing_Type								Ball Bearing				Ball Bearing (2)				Ventilation Type							
AFBMA:								45BC03J30				45BC03J30				Method of cooling				TEFC			
Rated Thrust								Direction of rotation								Bi-Directional							
Max Radial force								76 lbs								Fan Material				Plastic			
Max Down thrust 3yr 1yr								1,094 lbs				1,631 lbs				VFD				CT: n/a VT: n/a			
Max momentary up thrust 3yr 1yr								1,126 lbs				1,664 lbs				Space heaters				-/-			
Grease								Brake:								-/-							

Terminal box

Lead Wire Connection					9 LEAD - WYE	Terminal box position	(3) Mounting - F-1
Voltage	L1	L2	L3	Connected together		Material of terminal box	?PMD_AAC368_001_000_1PC2VX CI?
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6		Cable entry	1.25" NPT
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9			

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									

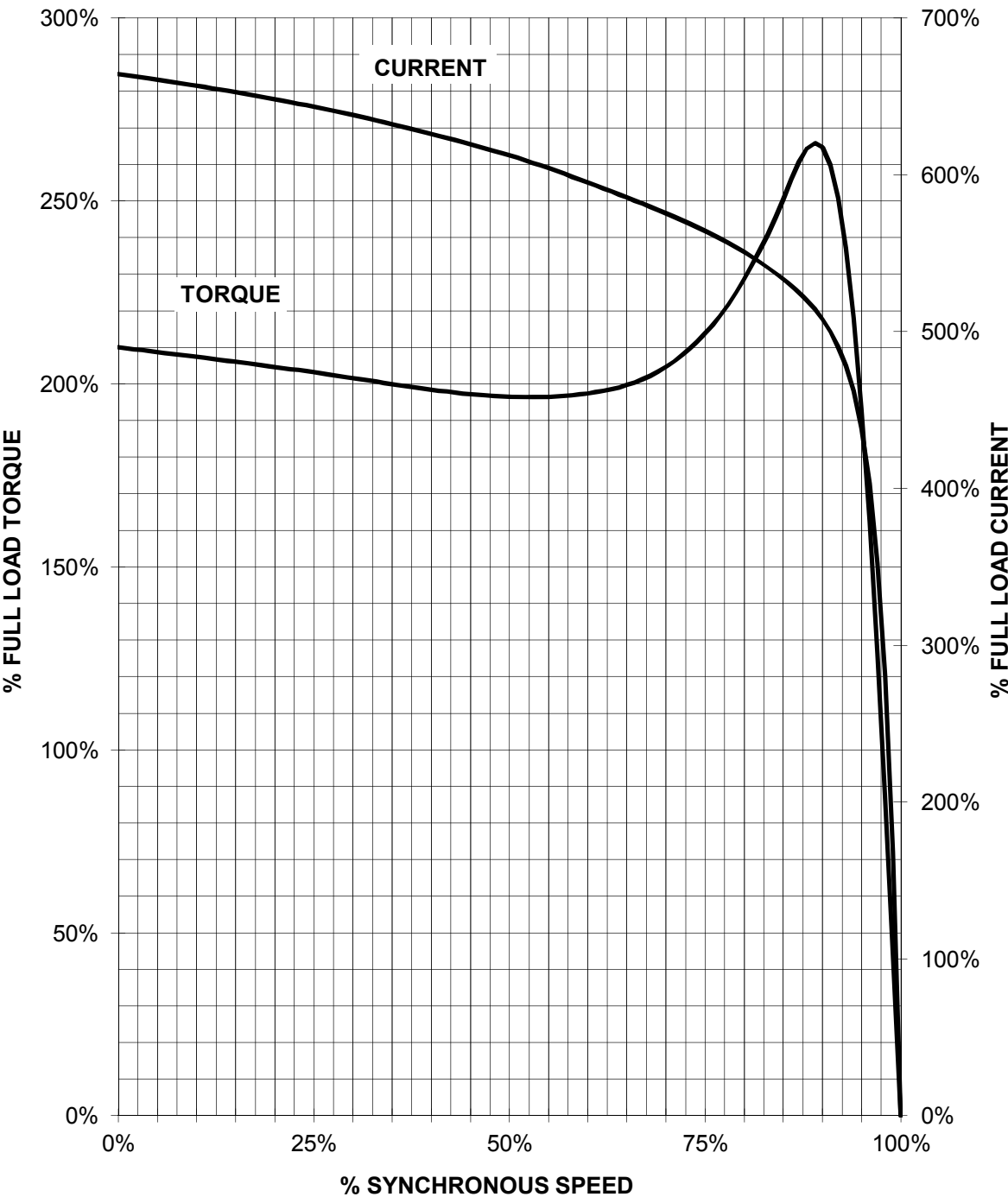
Responsible department IN LVM	Technical reference	Created by SPC	Approved by	Technical data are subject to change! There may be discrepancies			
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Keyseat detail
Detalle Cuñero

SIEMENS INDUSTRY, INC.

HP 15 VOLTS <600 3600 TYPE HP100
HZ 60 PHASE 3 FRAME 254HP NEMA B

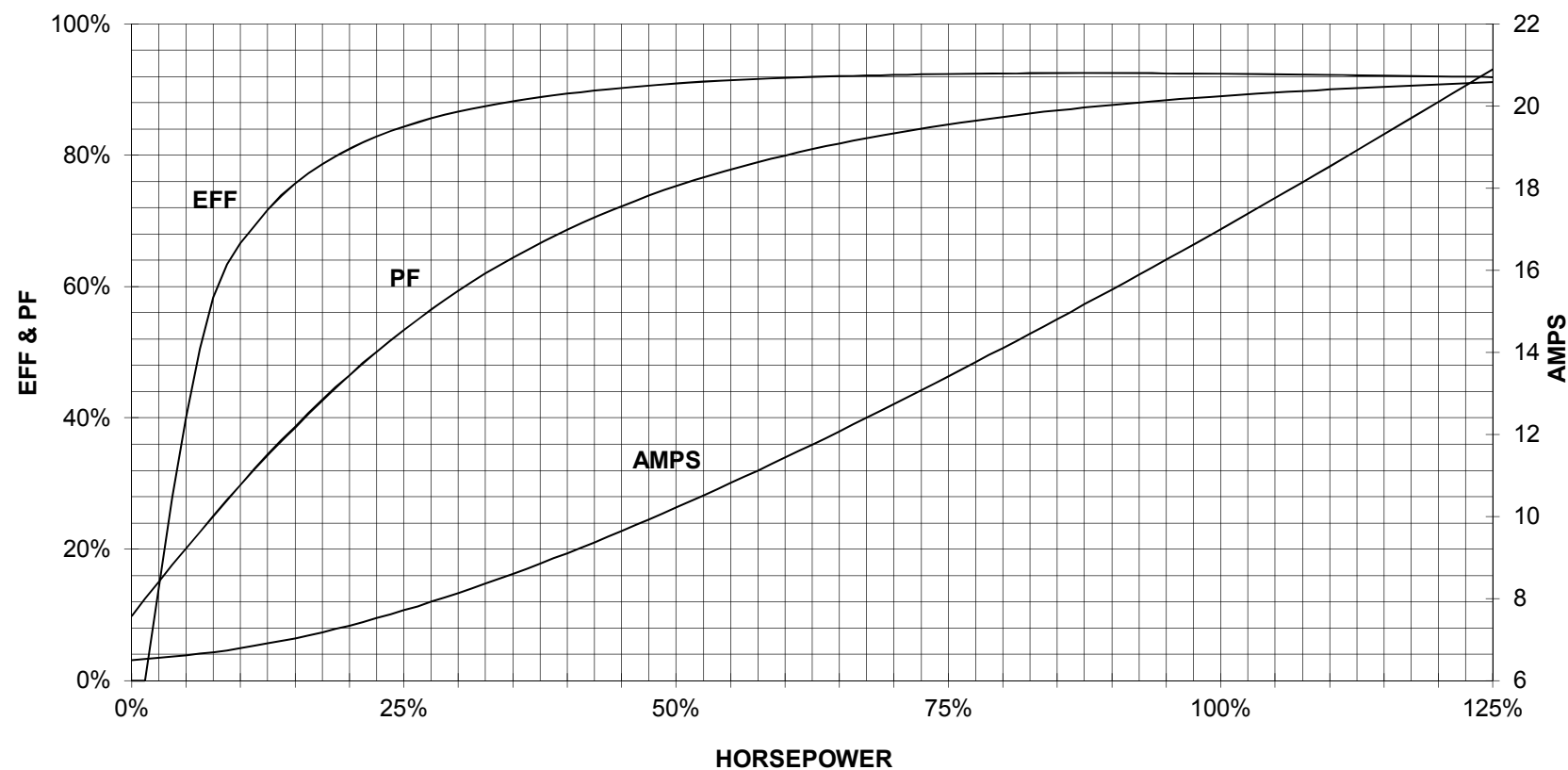
TORQUE & CURRENT VS. SPEED



CUSTOMER: ORDER#:

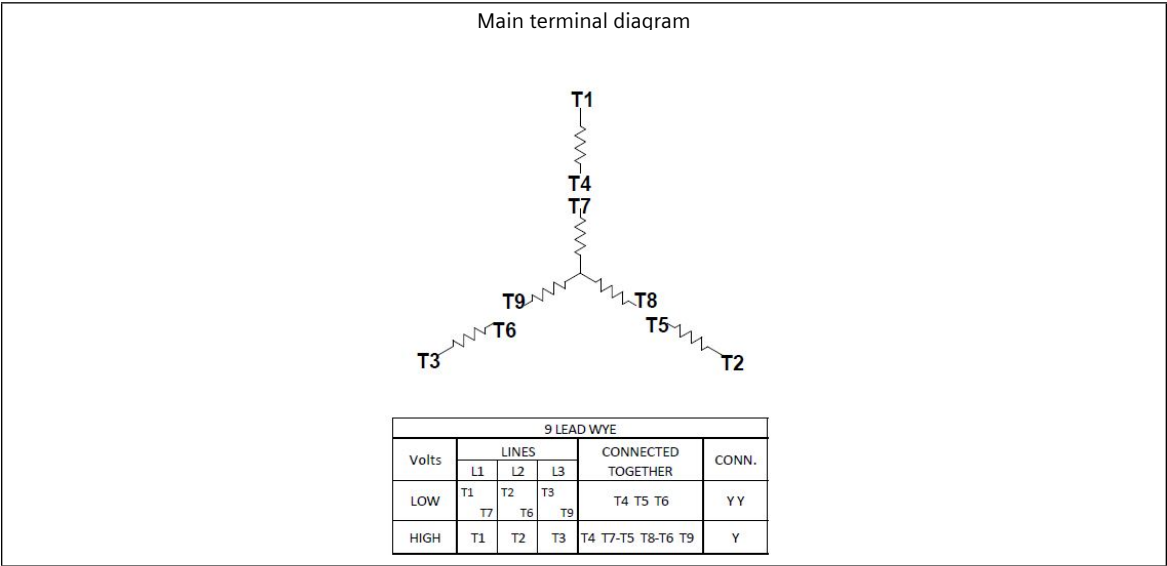
15 HP 3600 RPM 254HP FRAME 230/460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
HP100



CUSTOMER _____ ORDER # _____ PO # _____

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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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