

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

Motor type: (832) LP100 VSS In-Line Thrust FS: 215 LP - 2p - 10 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	10.00		3,515	11.50	8.70	6.30	3.50	81.0	90.2	91.1	91.0	90.3	88.8	81.5	15.0	180	440	
230	Y Y	60	10.00		3,515	23.00	17.36	12.63	7.00	162.0	90.2	91.1	91.0	90.3	88.8	81.5	15.0	180	440	
400	Y	50	7.50		2,933	10.10	7.99	6.17	4.22	84.0	89.2	89.8	89.8	89.0	84.9	75.4	13.5	235	400	
200	Y Y	50	7.50		2,933	20.20	15.98	12.34	8.44	168.0	89.2	89.8	89.8	89.0	84.9	75.4	13.5	235	400	
Frame Type: 215 LP			Type of constr.: (T) Vertical P-Base									Motor Prot.:(A) No winding protection					NEMA Des.: B		S.F.: 1.15	
Mtr. WT:202 lbs			Insulation Class.:Class F Insulation							Temp. Rise Cl.: B		Amb. Temp.: + 40 to -20 °C @1000 m					kVA: H		IP IP55	

Mechanical data

Sound level (SPL / SWL) at 60 Hz								66.0 dB(A) / 78.0 dB(A)		Capacity		0.92 oz		1.6 oz							
Octave Band Center Frequencies Hertz										Grease Type:		Exxon Mobile EM									
250								500		1000		2000		4000		8000		Hz			
SPL@3								53.0		55.0		63.0		62.0		58.0		47.0		dB(A)	
Moment of inertia																				1.8 Lb-ft²	
Ext Load Inertia Capability:																				11.6 Lb ft²	
Bearings																					
Bearing DE NDE								6209 C3 S0				7309 BG DB									
Bearing_Type								Ball Bearing				Thrust Ball Bearing(2)									
AFBMA:								45BC03J30				45BT03MR3									
Rated Thrust																					
Max Radial force								50				lbs									
Max Down thrust 3yr 1yr								1,256 lbs				1,848 lbs									
Max momentary up thrust 3yr 1yr								1,277 lbs				1,868 lbs									
Grease																					
										Polyurea											
Safe Stall Time Hot										14 s											
Safe Stall Time Cold										28 s											
Frame material										Cast iron											
Color, paint shade										Standard Paint - RAL7030											
Coating (paint finish)										Standard Alkyed + Epoxy (C2)											
Ventilation Type																					
Method of cooling										TEFC											
Direction of rotation										Bi-Directional											
Fan Material										Plastic											
VFD										CT: n/a VT: n/a											
Space heaters										-/-											
Brake:										-/-											

Terminal box

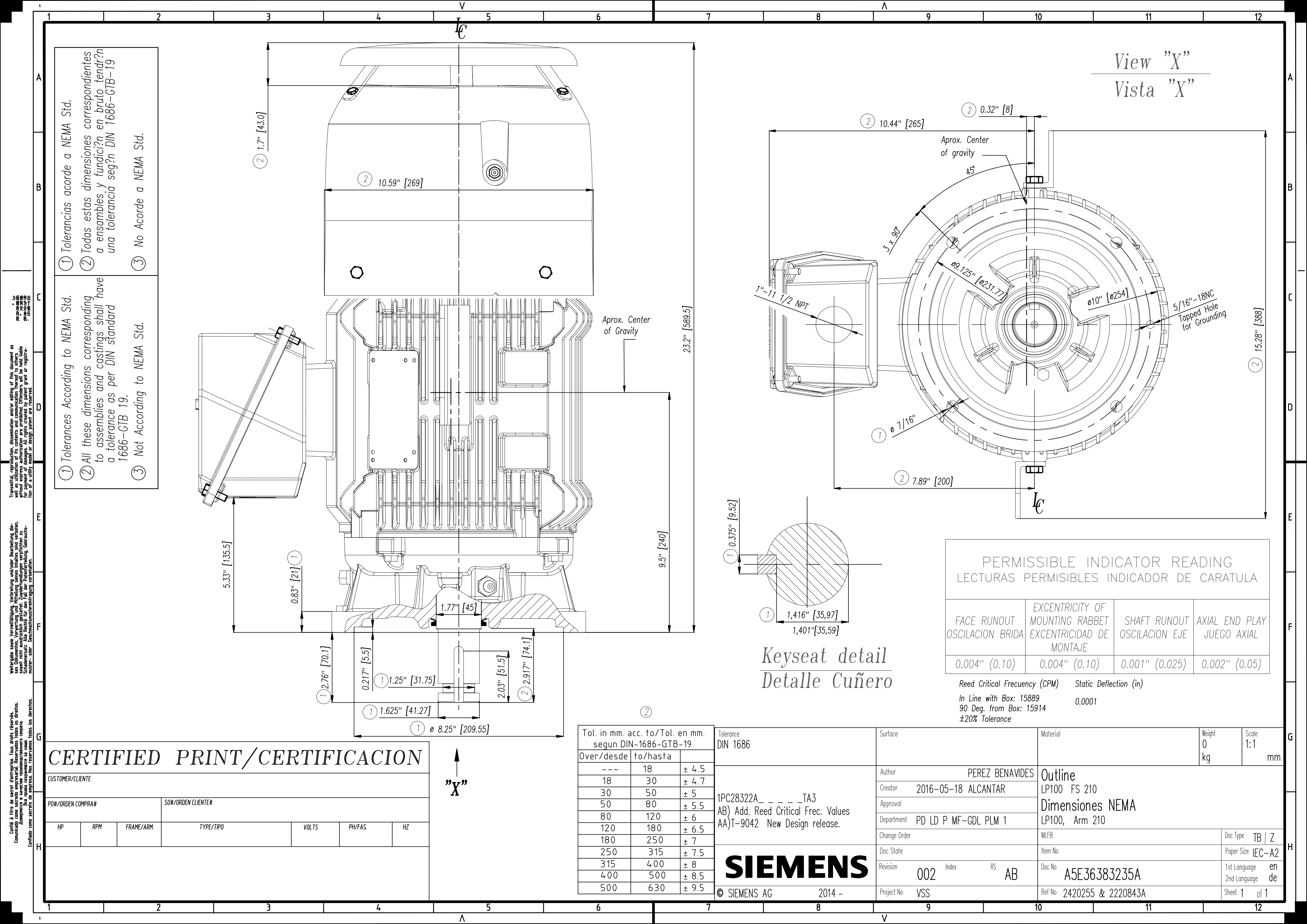
Lead Wire Connection					9 LEAD - WYE		Terminal box position		(3) Mounting - F-1	
Voltage	L1	L2	L3	Connected together		Material of terminal box		?PMD_AAC368_001_000_1PC2VX CI?		
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6		Cable entry		1" NPT		
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9						

Notes:

I_L/I_N = locked rotor current / current nominal
M_L/M_N = locked rotor torque / torque nominal
M_b/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

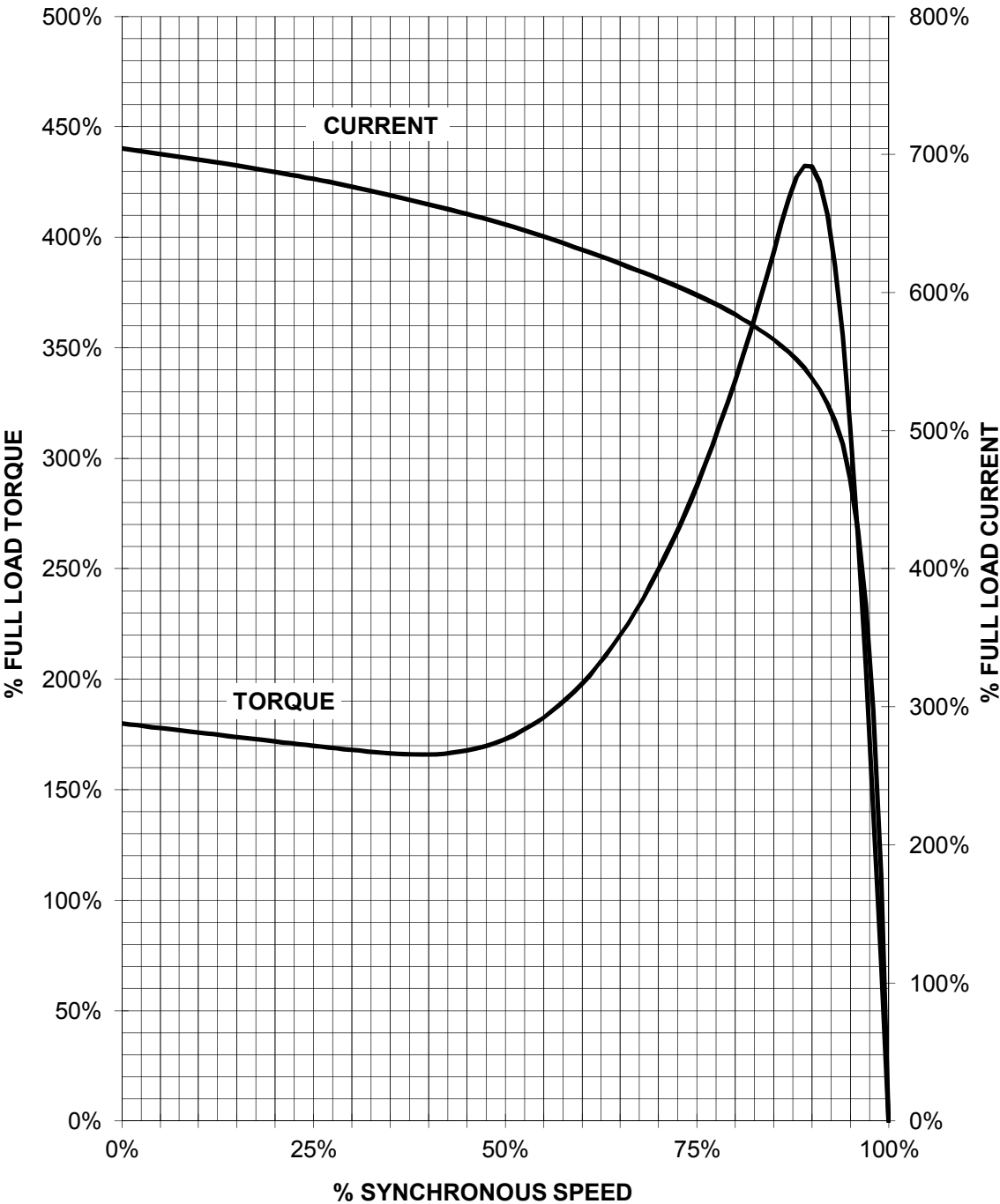
Responsible department IN LVM	Technical reference	Created by SPC	Approved by	Technical data are subject to change! There may be discrepancies			
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HP 10 VOLTS <600 3600 TYPE LP100
HZ 60 PHASE 3 FRAME 215LP NEMA B

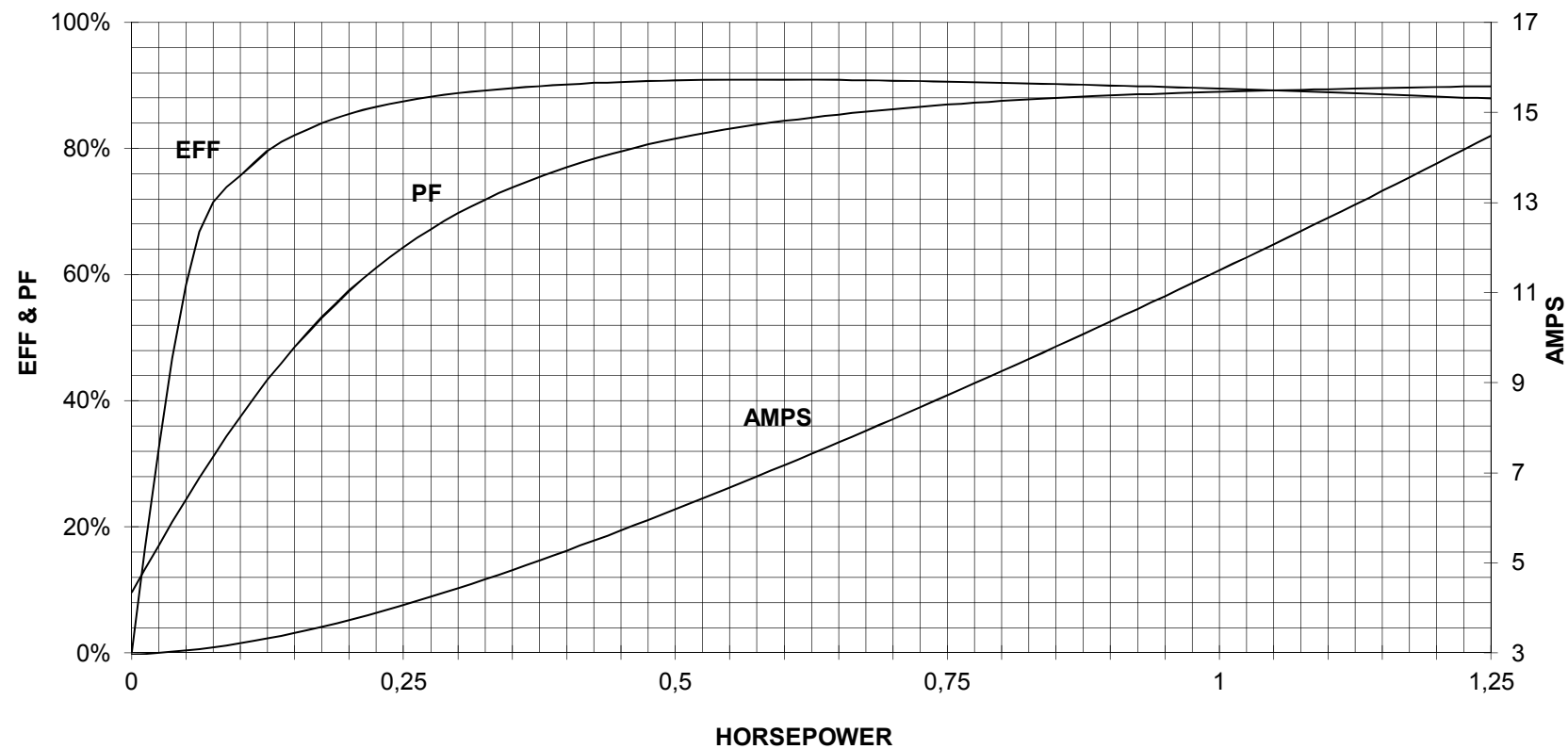
TORQUE & CURRENT VS. SPEED



CUSTOMER: ORDER#:

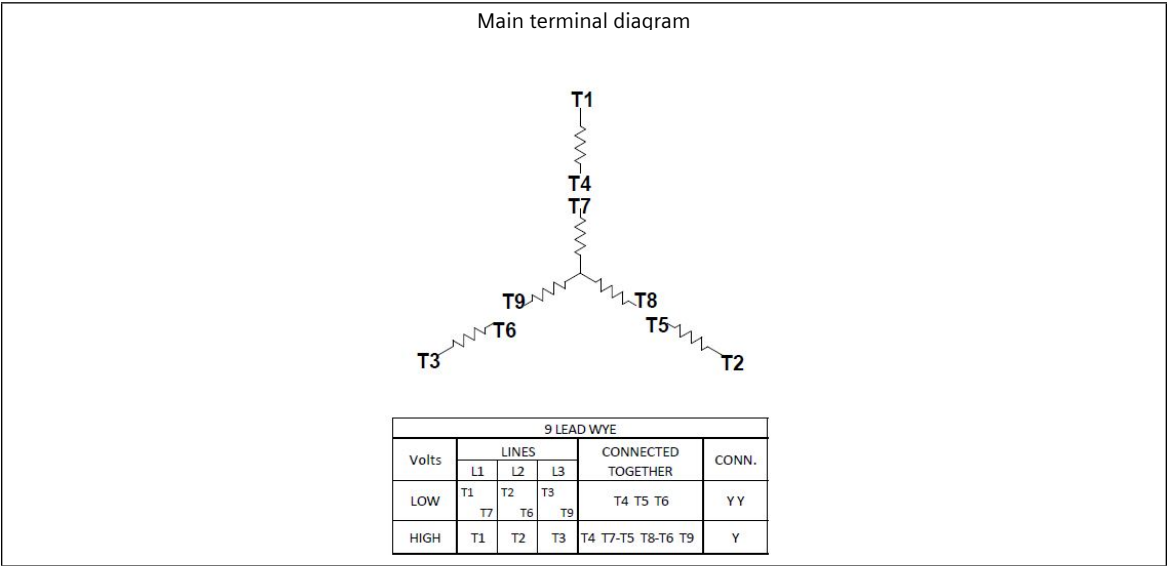
10 HP 3600 RPM 215LP FRAME 230/460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
LP100



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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