

Data sheet for three-phase Squirrel-Cage-Motors ABB		
Motor type: (832) LP100 VSS In-Line Thrust FS: 213 LP - 2p - 7.5 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]					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	LRC	4/4	3/4	2/4	4/4	3/4	2/4					
460	Y	60	7.50		3,520	8.80	6.70	5.00	3.00	63.0	89.5	90.1	89.6	89.2	86.8	78.5	11.0	180	490		
230	YY	60	7.50		3,520	17.60	13.47	9.98	6.00	126.0	89.5	90.1	89.6	89.2	86.8	78.5	11.0	180	490		
400	Y	50	5.00		2,948	6.80	5.48	4.33	3.10	64.0	87.9	88.1	87.4	88.1	83.1	72.6	8.9	269	406		
200	YY	50	5.00		2,948	13.60	10.96	8.66	6.20	128.0	87.9	88.1	87.4	88.1	83.1	72.6	8.9	269	406		
Frame Type: 213 LP			Type of constr.: (T) Vertical P-Base								Motor Prot.: (A) No winding protection						NEMA Des.: B		S.F.: 1.15		
Mtr. WT: 188 lbs			Insulation Class.: Class F Insulation							Temp. Rise Cl.: B		Amb. Temp.: + 40 to -20 °C @1000 m						kVA: H		IP IP55	

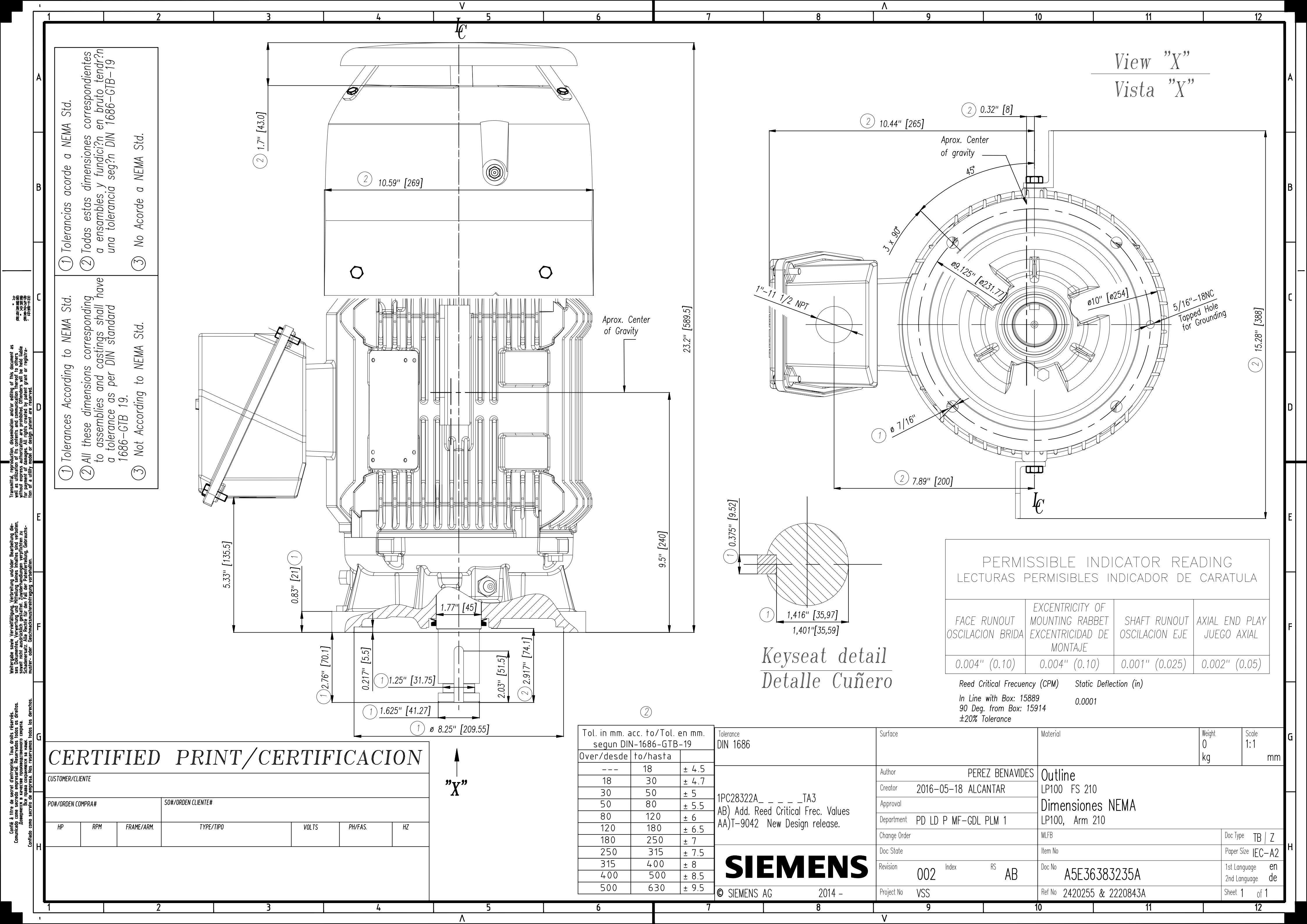
Mechanical data								
Sound level (SPL / SWL) at 60 Hz				66.0 dB(A) / 78.0 dB(A)				
Octave Band Center Frequencies Hertz								
	250	500	1000	2000	4000	8000	Hz	
SPL@3	53.0	55.0	63.0	62.0	58.0	47.0	dB(A)	
Moment of inertia				1.5 Lb-ft²				
Ext Load Inertia Capability:				8.8 Lb ft²				
Bearings								
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				40 lbs				
Max Down thrust 3yr 1yr				1,268 lbs			1,860 lbs	
Max momentary up thrust 3yr 1yr				1,288 lbs			1,880 lbs	
Grease								
Capacity				0.92 oz		1.6 oz		
Grease Type:				Exxon Mobile EM Polyurea				
Thickener								
Safe Stall Time Hot				17 s				
Safe Stall Time Cold				30 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		
Voltage	L1	L2	L3	Connected together
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9

Terminal box position	(3) Mounting - F-1
Material of terminal box	?PMD_AAC368_001_000_1PC2VX CI?
Cable entry	1" NPT

Notes:	
I_{Lr}/I_N = locked rotor current / current nominal	3) Value is valid only for DOL operation with motor design IC411
M_{Lr}/M_N = locked rotor torque / torque nominal	2) at rated power / at full load
M_k/M_N = break down torque / nominal torque	

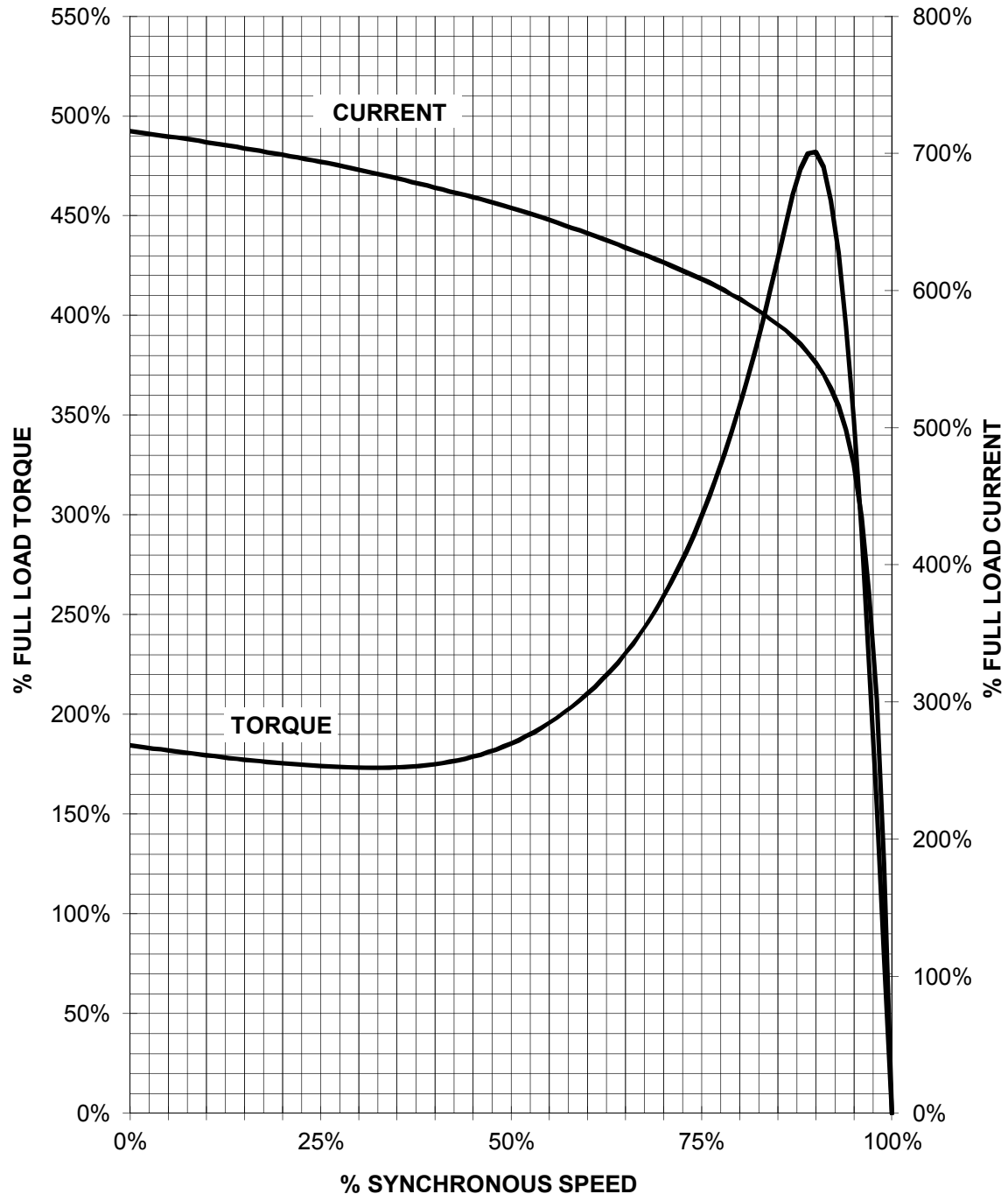
Responsible department IN LVM	Technical reference	Created by SPC	Approved by	Technical data are subject to change! There may be discrepancies			
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HP 7,5 VOLTS <600 3600 TYPE LP100
HZ 60 PHASE 3 FRAME 213LP NEMA B

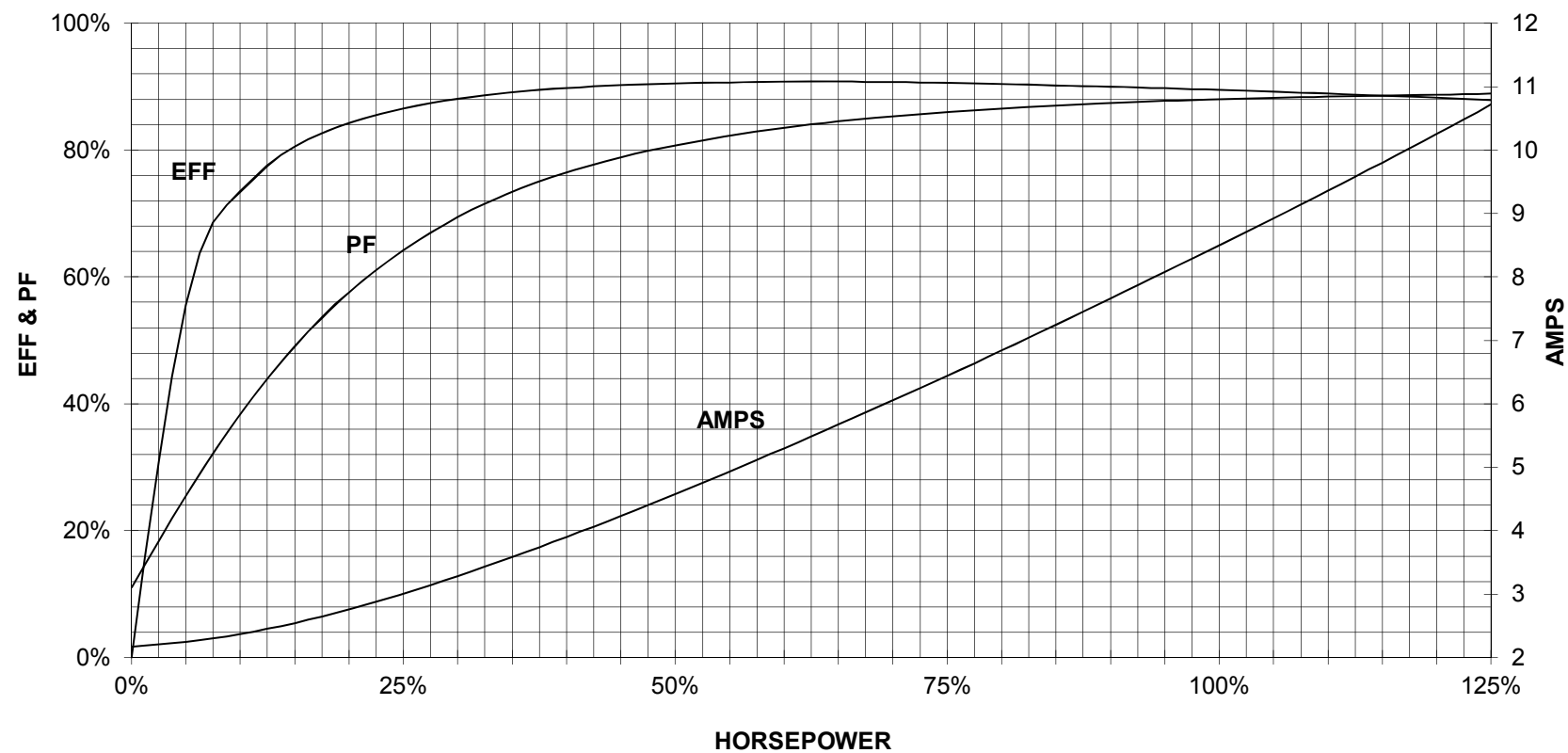
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

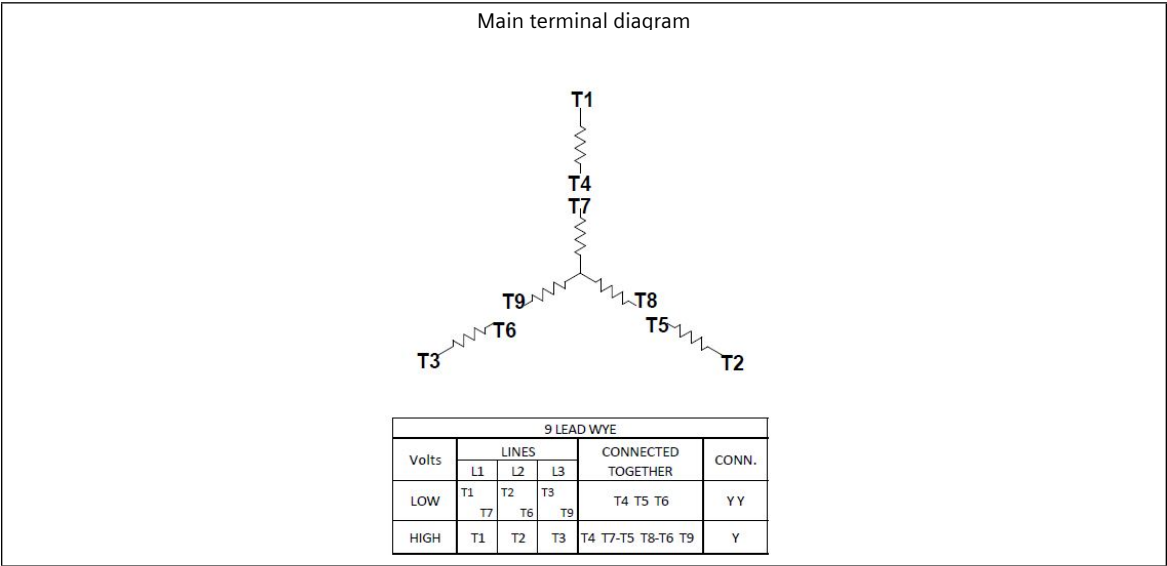
7.5 HP 3600 RPM 213LP FRAME 230/460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
LP100



CUSTOMER _____ ORDER # _____ PO # _____

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



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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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