

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

Motor type: (832) LP100 VSS In-Line Thrust FS: 213 LP - 4p - 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]					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	7.50		1,765	9.70	7.90	6.40	5.00	63.0	91.7	91.7	90.7	78.9	72.3	60.5	22.0	270	450	
230	Y Y	60	7.50		1,765	19.40	15.89	12.80	10.00	126.0	91.7	91.7	90.7	78.9	72.3	60.5	22.0	270	450	
400	Y	50	5.00		1,473	7.43	6.20	5.16	4.12	67.0	88.4	88.2	86.8	78.6	70.8	57.6	17.8	287	341	
200	Y Y	50	5.00		1,473	14.86	12.40	10.32	8.24	134.0	88.4	88.2	86.8	78.6	70.8	57.6	17.8	287	341	
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:212 lbs			Insulation Class.:Class F Insulation							Temp. Rise Cl.: B		Amb. Temp.: + 40 to -20 °C @1000 m					kVA: J		IP IP55	

Mechanical data

Sound level (SPL / SWL) at 60 Hz								57.0 dB(A) / 69.0 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										Thickener		Polyurea					
SPL@3								37.0 44.0 54.0 53.0 44.0 35.0 dB(A)				Safe Stall Time Hot		25 s			
Moment of inertia								2.6 Lb-ft²				Safe Stall Time Cold		42 s			
Ext Load Inertia Capability:								41.1 Lb ft²				Frame material		Cast iron			
Bearings												Color, paint shade		Standard Paint - RAL7030			
Bearing DE NDE								6209 C3 S0		7309 BG DB		Coating (paint finish)		Standard Alkyed + Epoxy (C2)			
Bearing_Type								Ball Bearing		Thrust Ball Bearing(2)		Ventilation Type					
AFBMA:								45BC03J30		45BT03MR3		Method of cooling		TEFC			
Rated Thrust												Direction of rotation		Bi-Directional			
Max Radial force								66 lbs				Fan Material		Plastic			
Max Down thrust 3yr 1yr								1,582 lbs		2,328 lbs		VFD		CT: n/a VT: n/a			
Max momentary up thrust 3yr 1yr								1,605 lbs		2,351 lbs		Space heaters		-/-			
Grease												Brake:		-/-			

Terminal box

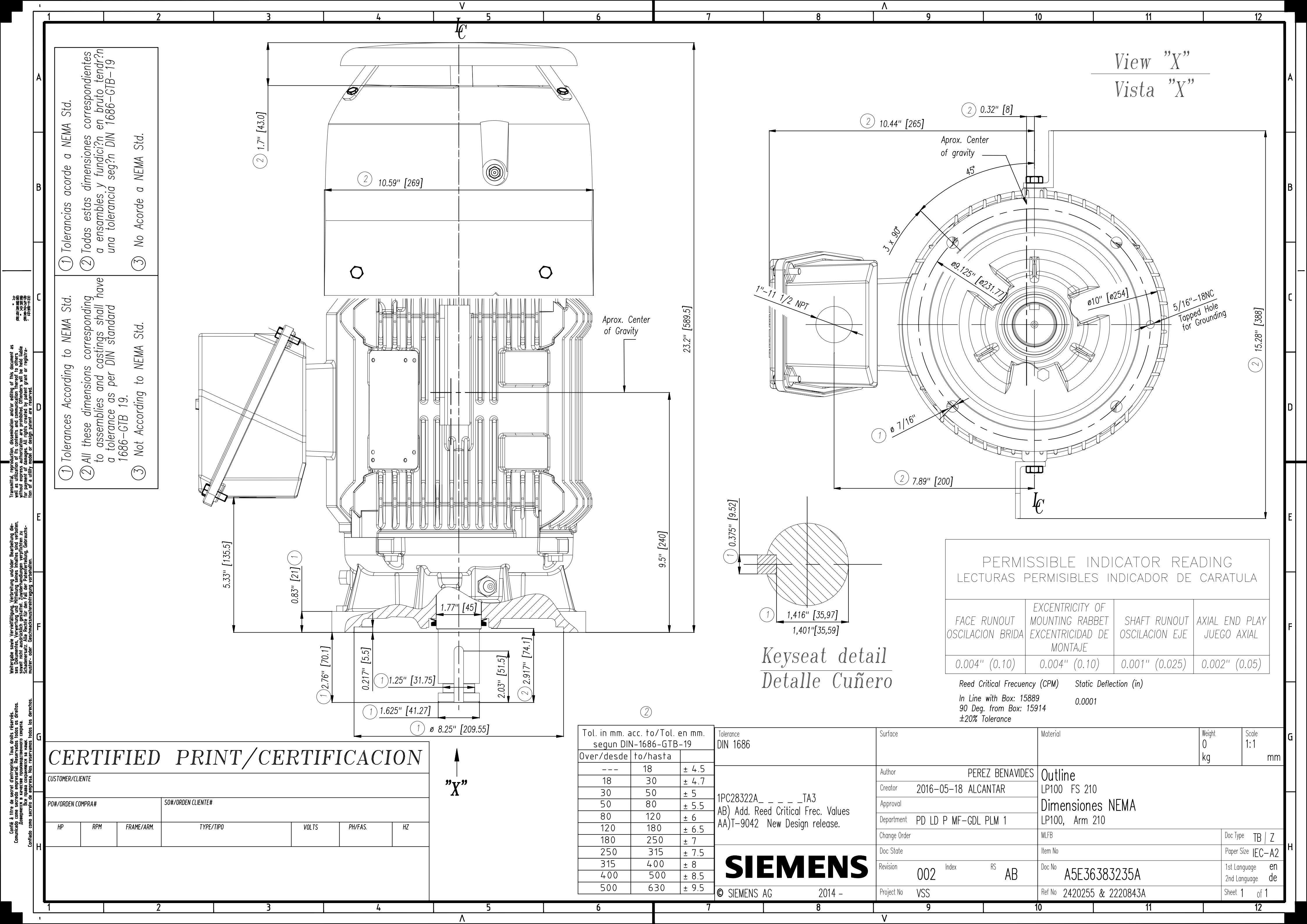
Lead Wire Connection					9 LEAD - WYE		Terminal box position		(3) Mounting - F-1	
Voltage	L1	L2	L3	Connected together		Material of terminal box		?PMD_AAC368_001_000_1PC2VX CI?		
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6		Cable entry		1" NPT		
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9						

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

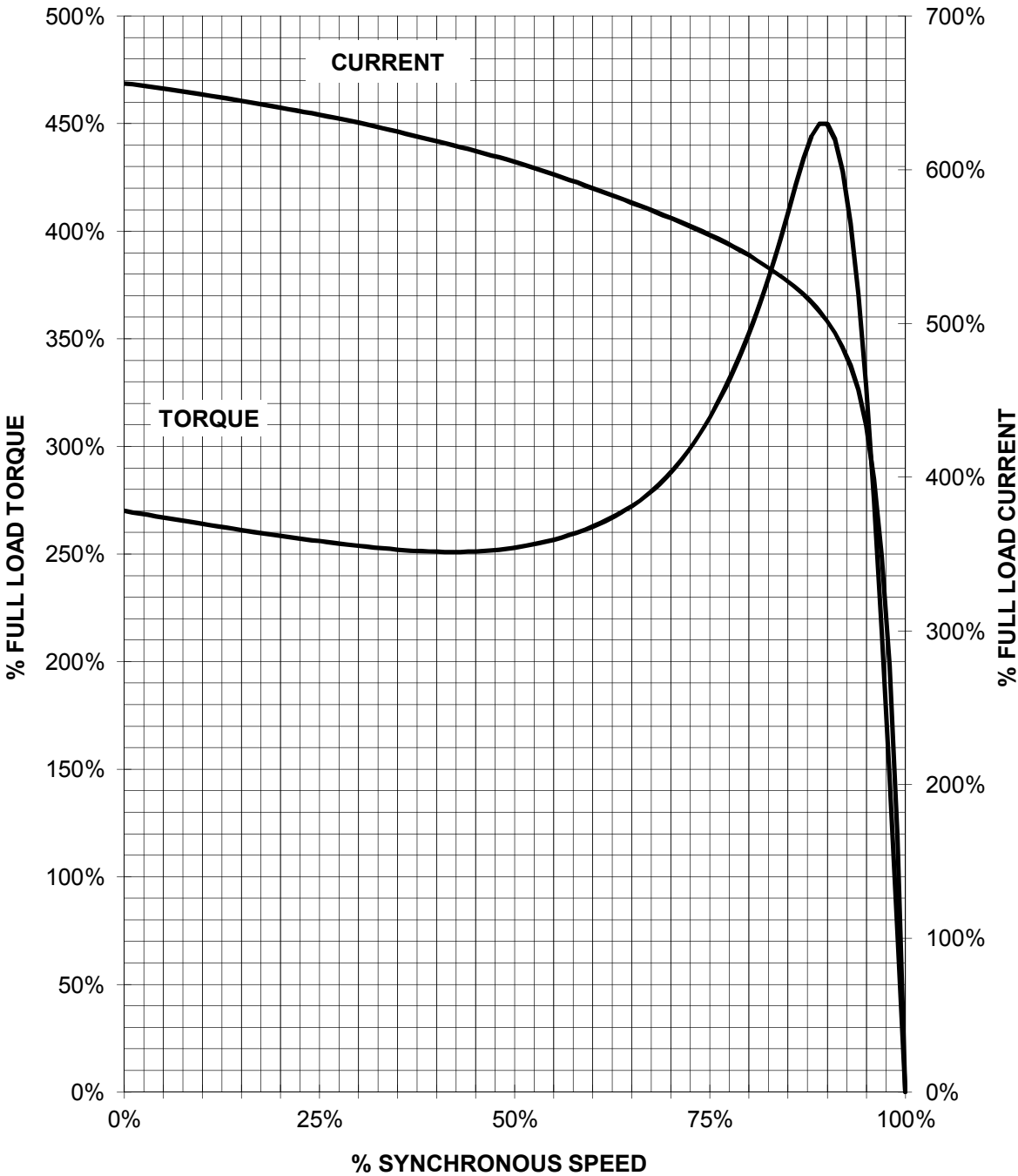
Responsible department IN LVM	Technical reference	Created by SPC	Approved by		Technical data are subject to change! There may be discrepancies			
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HP 7,5 VOLTS <600 1800 TYPE LP100
HZ 60 PHASE 3 FRAME 213LP NEMA B

TORQUE & CURRENT VS. SPEED

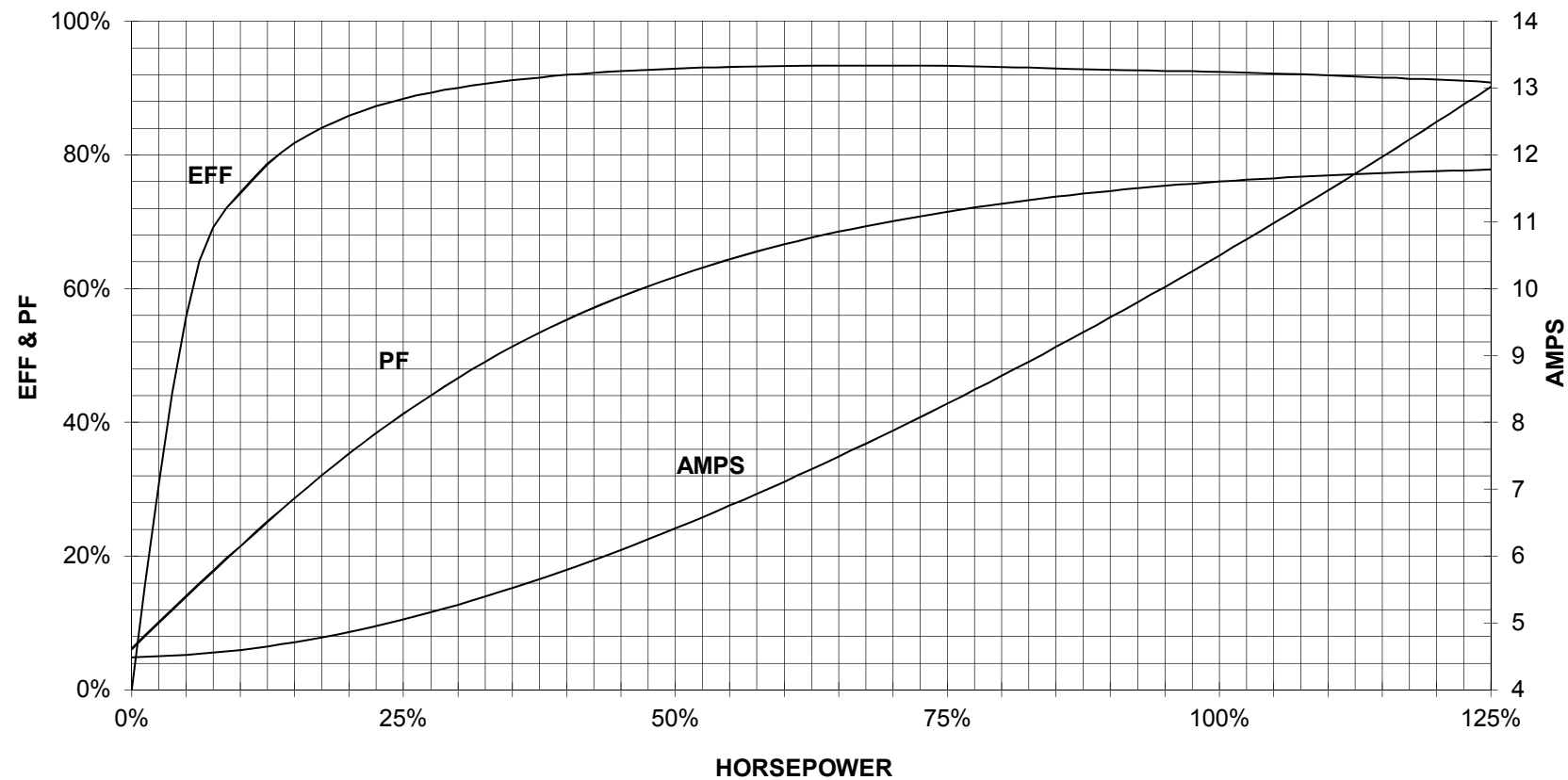


CUSTOMER: _____ ORDER#: _____

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REV. 1

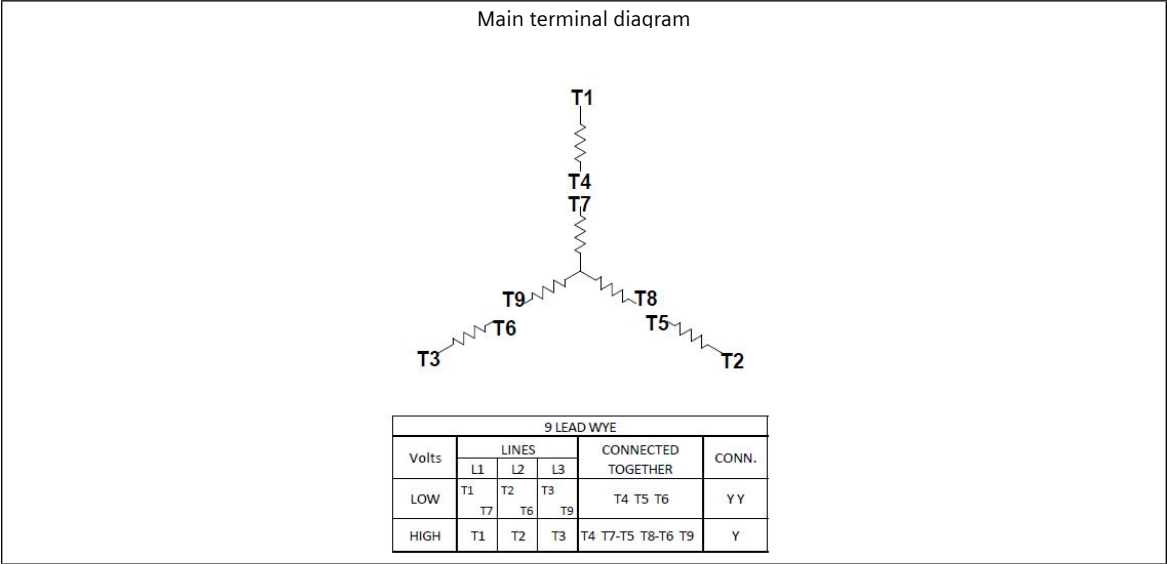
7.5 HP 1800 RPM 213LP FRAME 230/460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
LP100



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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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