

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

Motor type: (832) LP100 VSS In-Line Thrust FS: 256 LP - 2p - 20 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	20.00		3,515	22.50	16.80	11.80	5.20	145.0	91.0	91.6	92.1	91.5	91.3	86.2	30.0	185	230	
230	Y Y	60	20.00		3,515	45.00	33.59	23.59	10.40	290.0	91.0	91.6	92.1	91.5	91.3	86.2	30.0	185	230	
400	Y	50	15.00		2,935	18.90	14.40	10.30	5.00	133.3	91.2	91.9	91.7	92.1	90.0	84.2	26.9	225	330	
200	Y Y	50	15.00		2,935	37.80	28.80	20.60	10.00	266.6	91.2	91.9	91.7	92.1	90.0	84.2	26.9	225	330	
Frame Type: 256 LP			Type of constr.: (T) Vertical P-Base										Motor Prot.:(A) No winding protection			NEMA Des.: B		S.F.: 1.15		
Mtr. WT:337 lbs			Insulation Class.:Class F Insulation							Temp. Rise Cl.: B			Amb. Temp.: + 40 to -20 °C @1000 m			kVA: G		IP IP55		


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				20 s											
Moment of inertia								4.5 Lb-ft ²				Safe Stall Time Cold				45 s							
Ext Load Inertia Capability:								22.1 Lb ft ²				Frame material				Cast iron							
Bearings								Color, paint shade				Standard Paint - RAL7030											
Bearing DE NDE								Coating (paint finish)				Standard Alkyed + Epoxy (C2)											
Bearing_Type								Ventilation Type															
AFBMA:								Method of cooling				TEFC											
Rated Thrust								Direction of rotation				Bi-Directional											
Max Radial force								92 lbs				Fan Material				Plastic							
Max Down thrust 3yr 1yr								1,197 lbs				VFD				CT: n/a VT: n/a							
Max momentary up thrust 3yr 1yr								1,232 lbs				Space heaters				-/-							
Grease								Brake:				-/-											

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

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

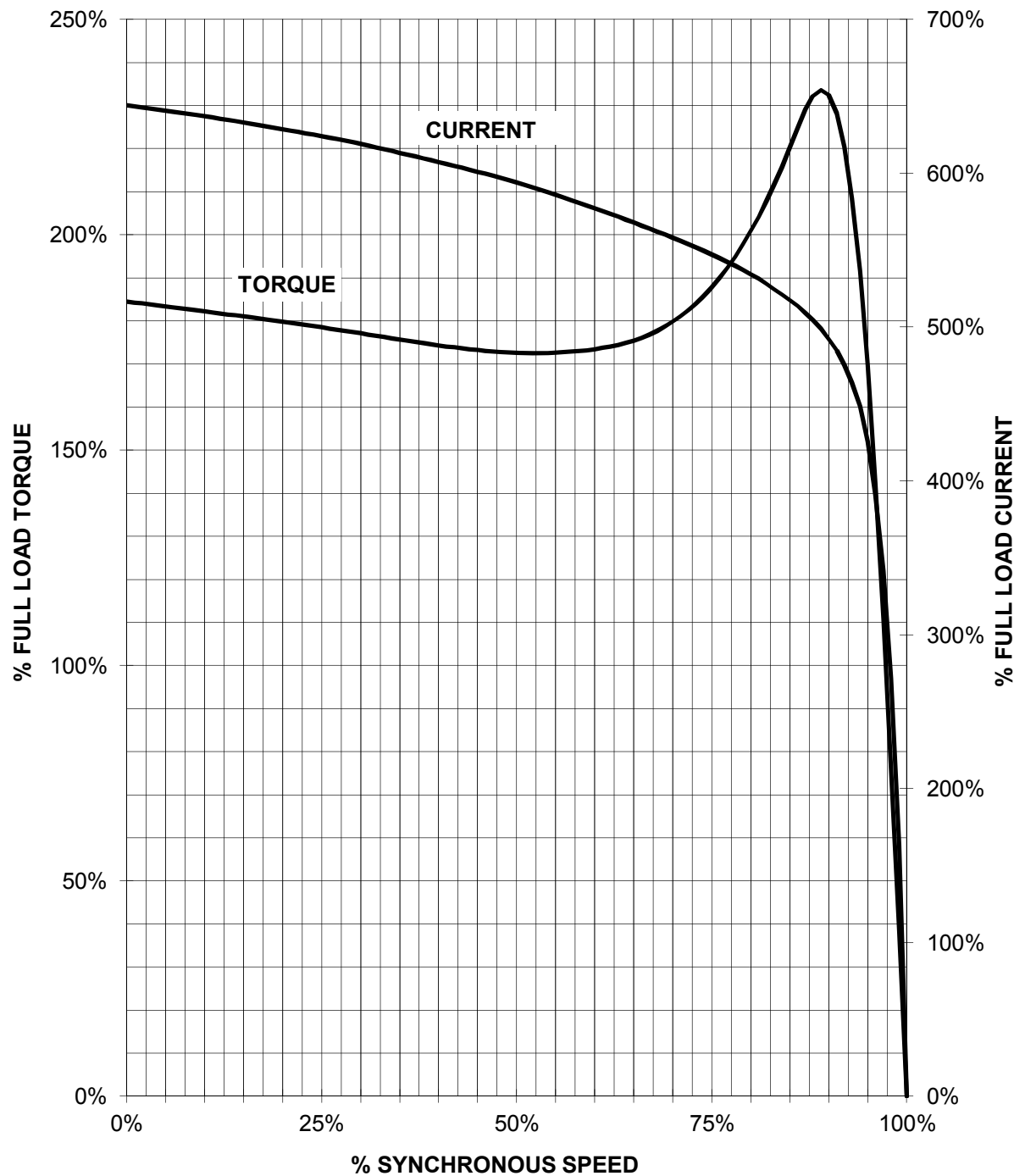
Responsible department IN LVM	Technical reference	Created by SPC	Approved by	Technical data are subject to change! There may be discrepancies between the data in this document and the actual product.			
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SIEMENS INDUSTRY, INC.

HP 20 VOLTS <600 3600 TYPE LP100
HZ 60 PHASE 3 FRAME 256LP NEMA B

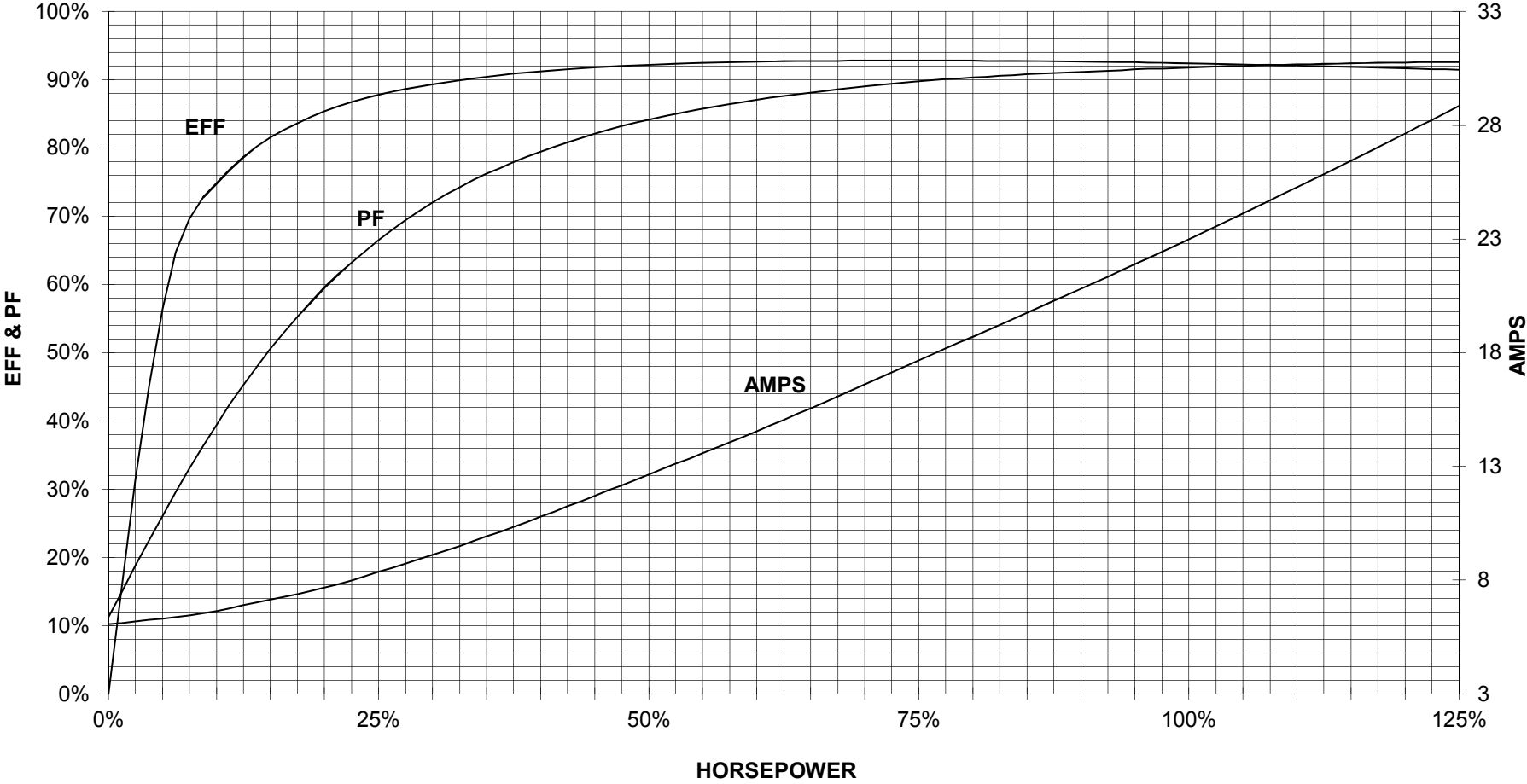
TORQUE & CURRENT VS. SPEED



CUSTOMER: ORDER#:

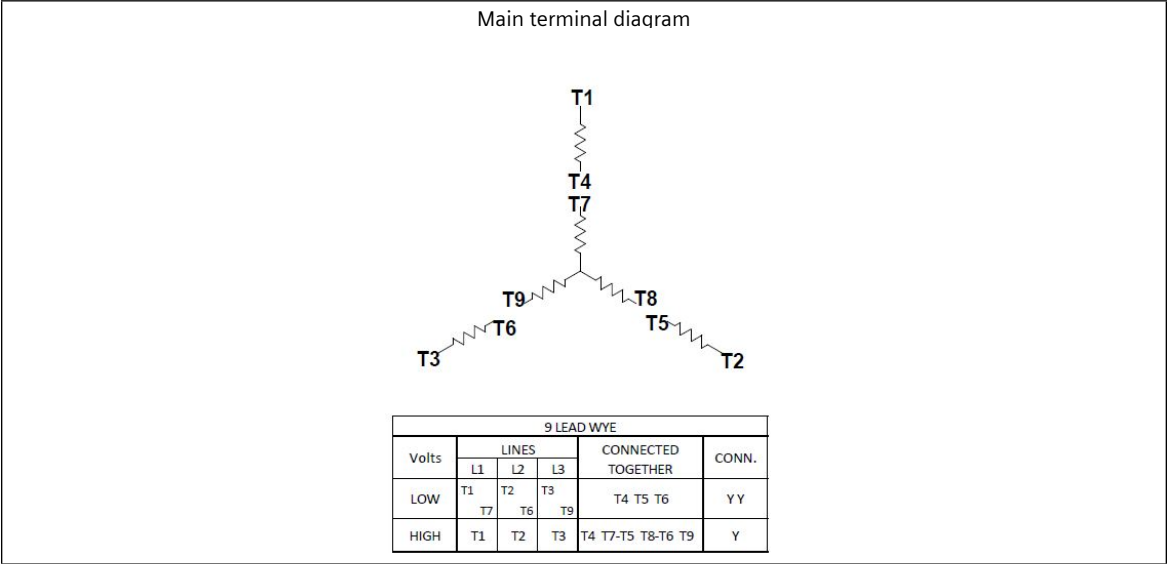
20 HP 3600 RPM 256LP FRAME 230/460 VOLTS 3 PHASE NEMA DESIGN B

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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