

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

Motor type: GP100 FS: 182T - 4p - 3 hp -

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

Remarks	
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Electrical data	
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without

[illegible]

Frame Type: 182T	Type of constr.: (A) Foot mounted - End shield		Motor Prot.:(A) Without Protection	NEMA Des.: B	S.F.: 1.15
Mtr. WT:85 lbs	Insulation Class.:Standard Class F Insulation	Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: K	IP 55

Mechanical data	
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Sound level (SPL / SWL) at 60 Hz				57.0 dB(A) / 67.0 dB(A)				Thickener	Polyurea			
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	17 s			
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	29 s			
SPL@3	42.0	46.0	54.0	49.0	43.0	32.0	dB(A)	Frame material	cast iron			
Moment of inertia					0.3 Lb-ft²					Color, paint shade	Standard Paint - RAL7030	
Ext Load Inertia Capability:					17.0 Lb ft²					Coating (paint finish)	Standard Alkyed + Epoxy (C2)	
Bearings												
Bearing DE NDE				6206 ZZ C3 S0			6206 ZZ C3 S0					
Bearing_Type				Ball Bearing			Ball Bearing					
AFBMA:				30BC02JPP30			30BC02JPP30					
Grease												
Capacity				0.2 oz			0.2 oz					
Grease Type:					Exxon Mobile EM						Ventilation Type	
								Method of cooling	TEFC			
								Direction of rotation	Bidirectional			
								Fan Material	Polypropylen			
								VFD	CT: 4:1 VT: 20:1			
								Space heaters	without			
								Brake:	without			

Terminal box

Lead Wire Connection		9 LEAD - WYE			Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L2	L3	Connected together	Material of terminal box	Aluminium
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Cable entry	.75" NPT
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9		

Notes:

I_{lr}/I_{ln} = locked rotor current / current nominal	3) Value is valid only for DOL operation with motor design IC411
M_{lr}/M_{ln} = locked rotor torque / torque nominal	2) at rated power / at full load
M_{br}/M_{ln} = break down torque / nominal torque	

2) at rated power / at full load

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between published and actual data values.			
	document type datasheet			document status released		customer	
	title 1LE2221-1CB11-4AA3-Z			document number			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

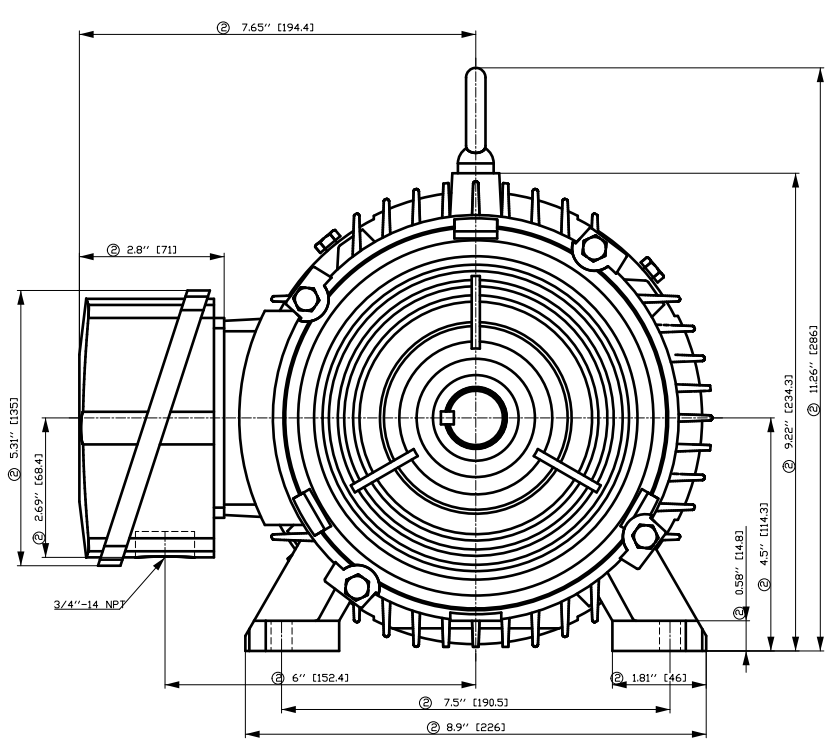
Motor type: GP100 FS: 182T - 4p - 3 hp -

Special design

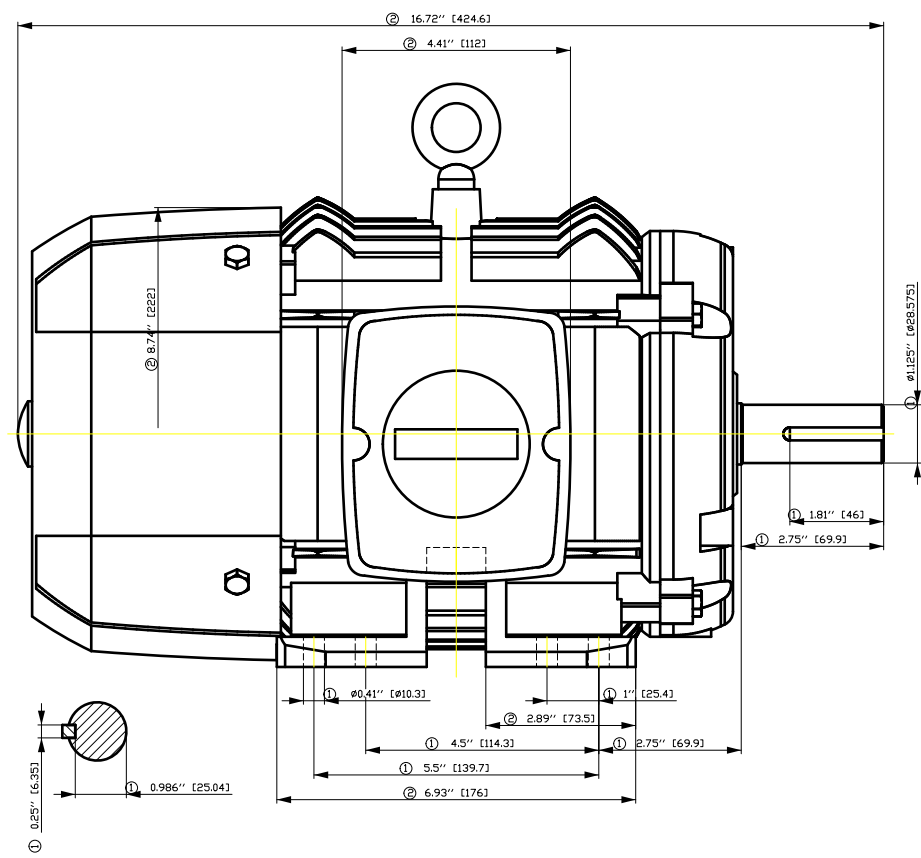
B09	Export packing sea freight - Siemens standard
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Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by		Technical data are subject to change! There may be discrepancies between selected and actual data before			
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- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.

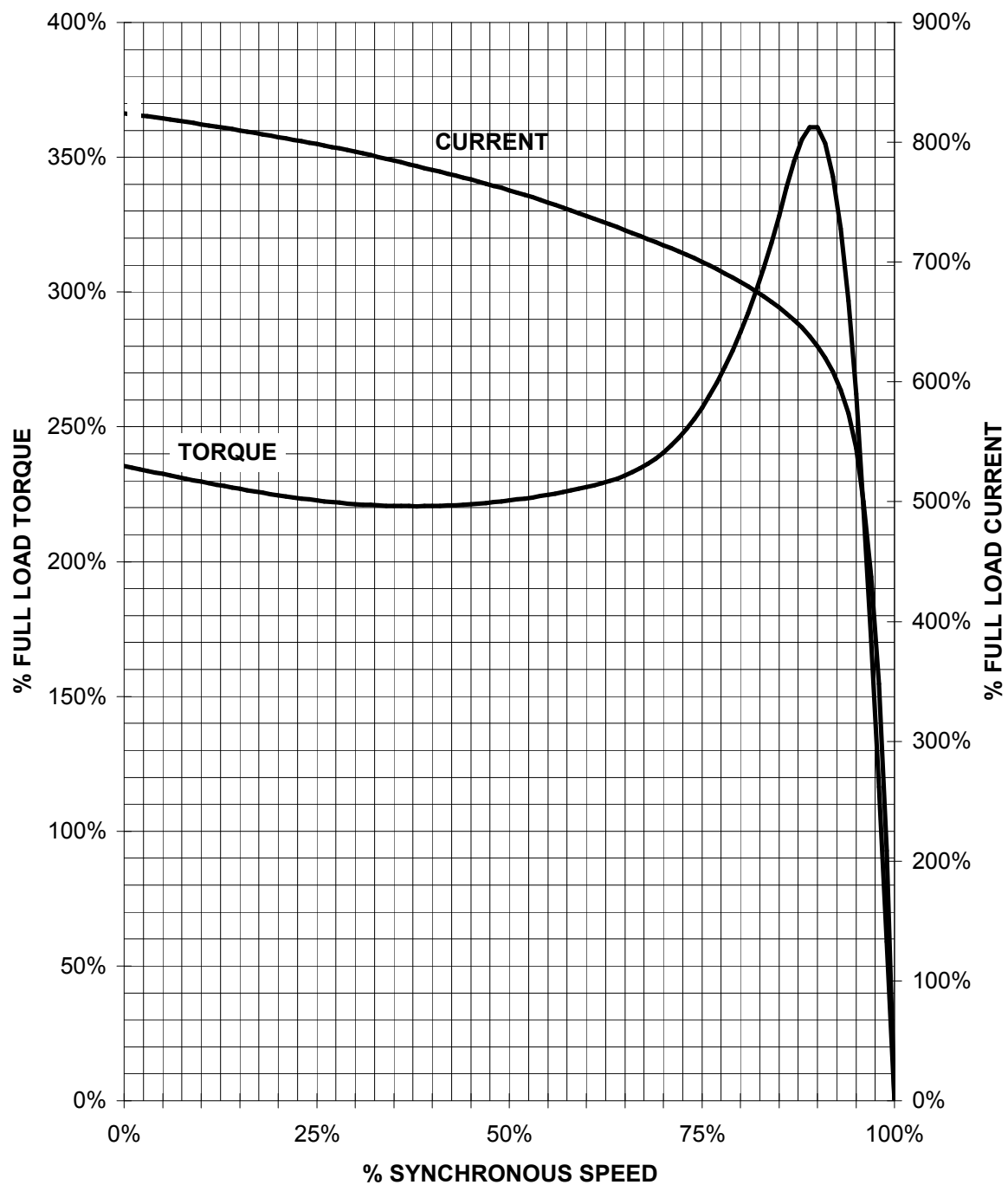


Tolerance	Surface	Material	Weight	Scale
1LE2221-1CB11-4AA3-Z B09	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
SIEMENS © Siemens AG 2018	Doc. State	8/19/22	Item No	Paper Size A3
	Revision	Index RS	Doc No	1st Language en 2nd Language de
	Project No	-	Ref No	-
				Sheet 1 of 1

SIEMENS INDUSTRY, INC.

HP 3 VOLTS < 600V RPM 1800 TYPE GP100
HZ 60 PHASE 3 FRAME 182T NEMA B

TORQUE & CURRENT VS. SPEED

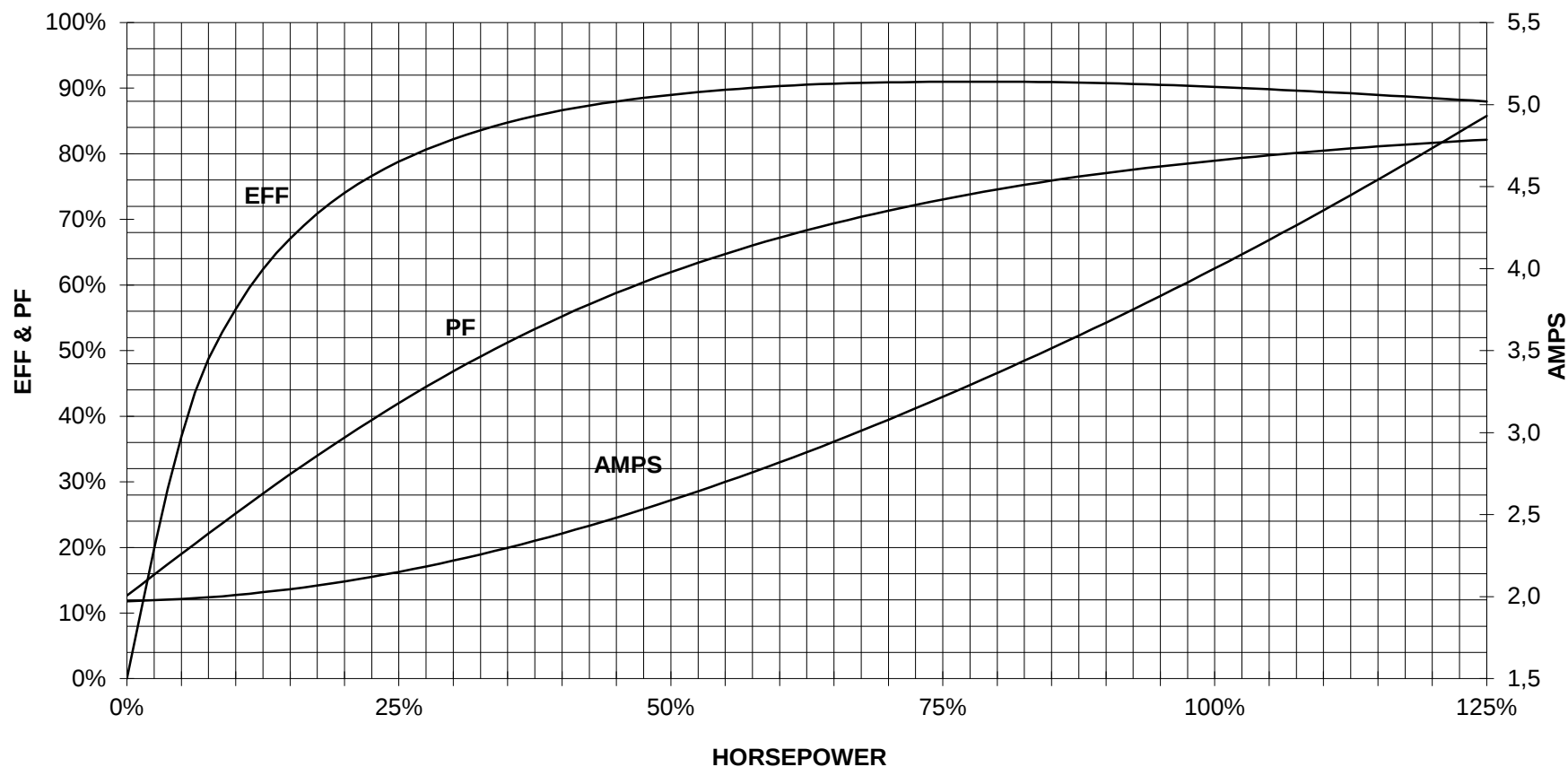


CUSTOMER: _____ ORDER#: _____

PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.
REV. 1

3 HP 1800 RPM 182T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100

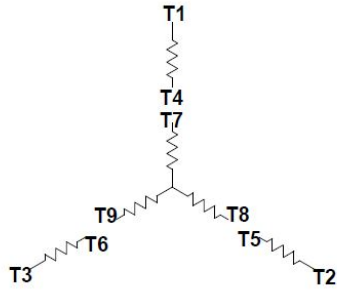


CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1

Main terminal diagram



9 LEAD WYE						
Volts	LINES			CONNECTED TOGETHER	CONN.	
	L1	L2	L3			
LOW	T1 T7	T2 T6	T3 T9	T4 T5 T6	Y Y	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y	

responsible dep. DI MC LVM	technical reference	created by	approved by	Project			
	document type Wiring Diagram			document status free		customer	
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