

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

Motor type: GP100 **FS: 254T - 8p - 5 hp -**

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

Electrical data

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 LRT [%]	T _k /T _N BDT [%]
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4				
575	Y	60	5.00	4.00	900	6.80	6.00	5.10	4.40	26.4	86.5	87.0	85.5	61.0	54.0	43.0	30.0	153	210	

Frame Type: 254T	Type of constr.: (A) Foot mounted - End shield	Ins. Cl.: Standard Class F Insulation	Motor Prot.: (A) Without Protection	NEMA Des.: B	S.F.: 1.15
Mtr. WT: 218		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: G	IP 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz	67.0 dB(A) / 77.0 dB(A)		Thickener	Polyurea					
Octave Band Center Frequencies Hertz			Safe Stall Time Hot	65 s					
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	115 s
SPL@3	50.0	64.0	61.0	57.0	46.0	39.0	dB(A)	Frame material	cast iron
Moment of inertia	1.4 Lb-ft ²		Color, paint shade	Standard Paint - RAL7030					
Ext Load Inertia Capability:	142.0 Lb ft ²		Coating (paint finish)	Standard Alkyed + Epoxy (C2)					
Bearings			Ventilation Type						
Bearing DE NDE	6209 ZZ C3 S0		6209 ZZ C3 S0	Method of cooling	TEFC				
Bearing_Type	Ball Bearing		Ball Bearing	Direction of rotation	Bidirectional				
AFBMA:	45BC02JPP30		45BC02JPP30	Fan Material	Polypropylen				
Grease			VFD	CT: 4:1 VT: 20:1					
Capacity	0.5 oz		0.5 oz	Space heaters	without				
Grease Type:	Exxon Mobile EM		Brake:	without					


Terminal box

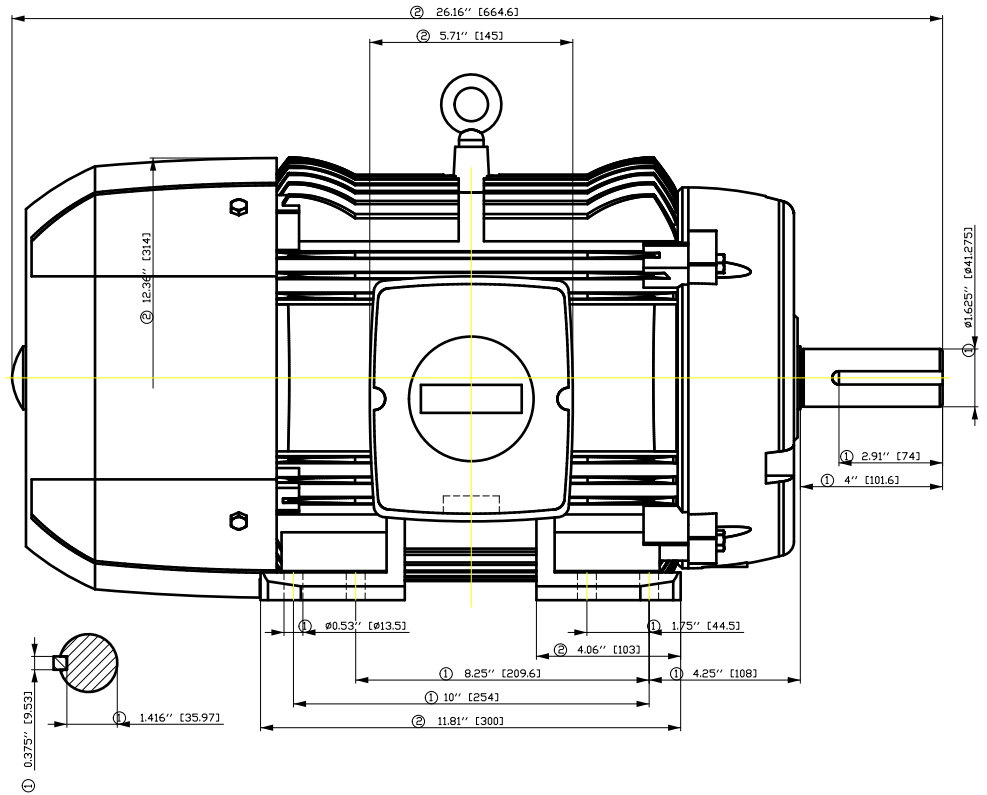
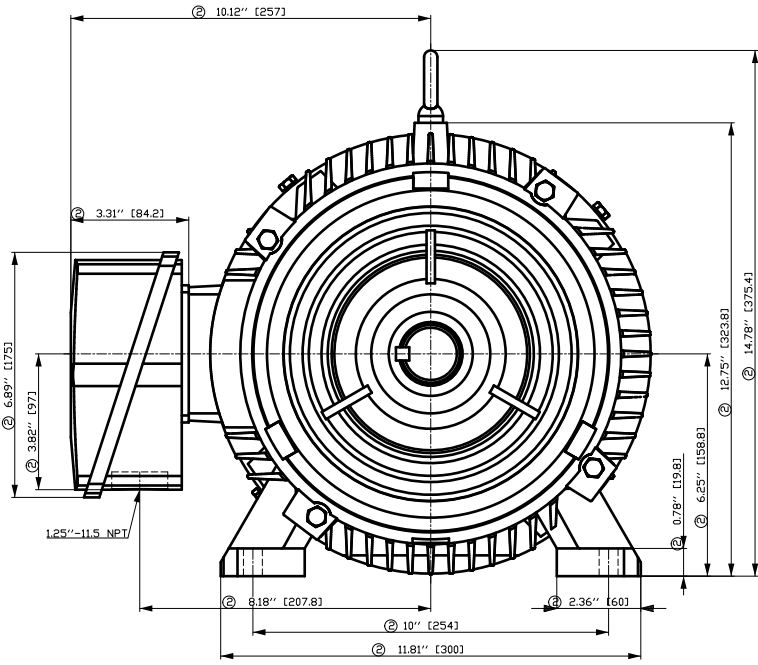
Lead Wire Connection	3 LEAD - WYE				Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Aluminium
----	----	----	----	----	Cable entry	1.25" NPT
----	T1	T2	T3	----		

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 dep. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between software and hardware versions</i>	
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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.

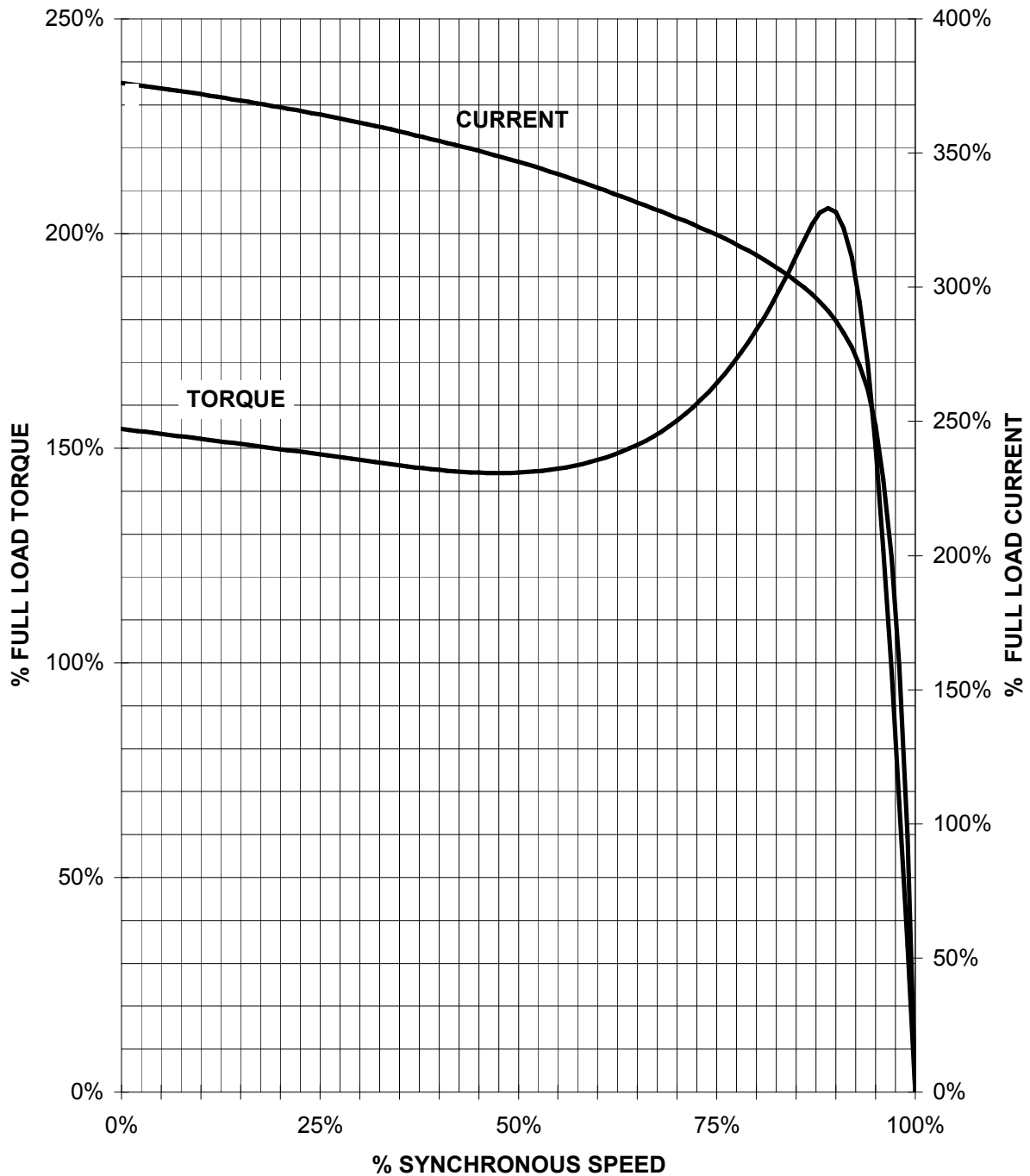
③ Not according to NEMA std.

Tolerance	Surface	Material	Weight	Scale	
F50GGF E00FFH00H	Author	ÖS Tæ: ^æ@ } *	E		
E	Creator				ÖVS
	Approval				
	Department				
	Change Order	MLFB	Doc Type		
SIEMENS	Doc. State	I ð EGG	Item No	Paper Size	
	Revision	Index RS	Doc No	1st Language ^ 2nd Language a^	
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				Sheet F of F	

SIEMENS INDUSTRY, INC.

HP 5 VOLTS < 600V RPM 900 TYPE GP100
HZ 60 PHASE 3 FRAME 254T NEMA B

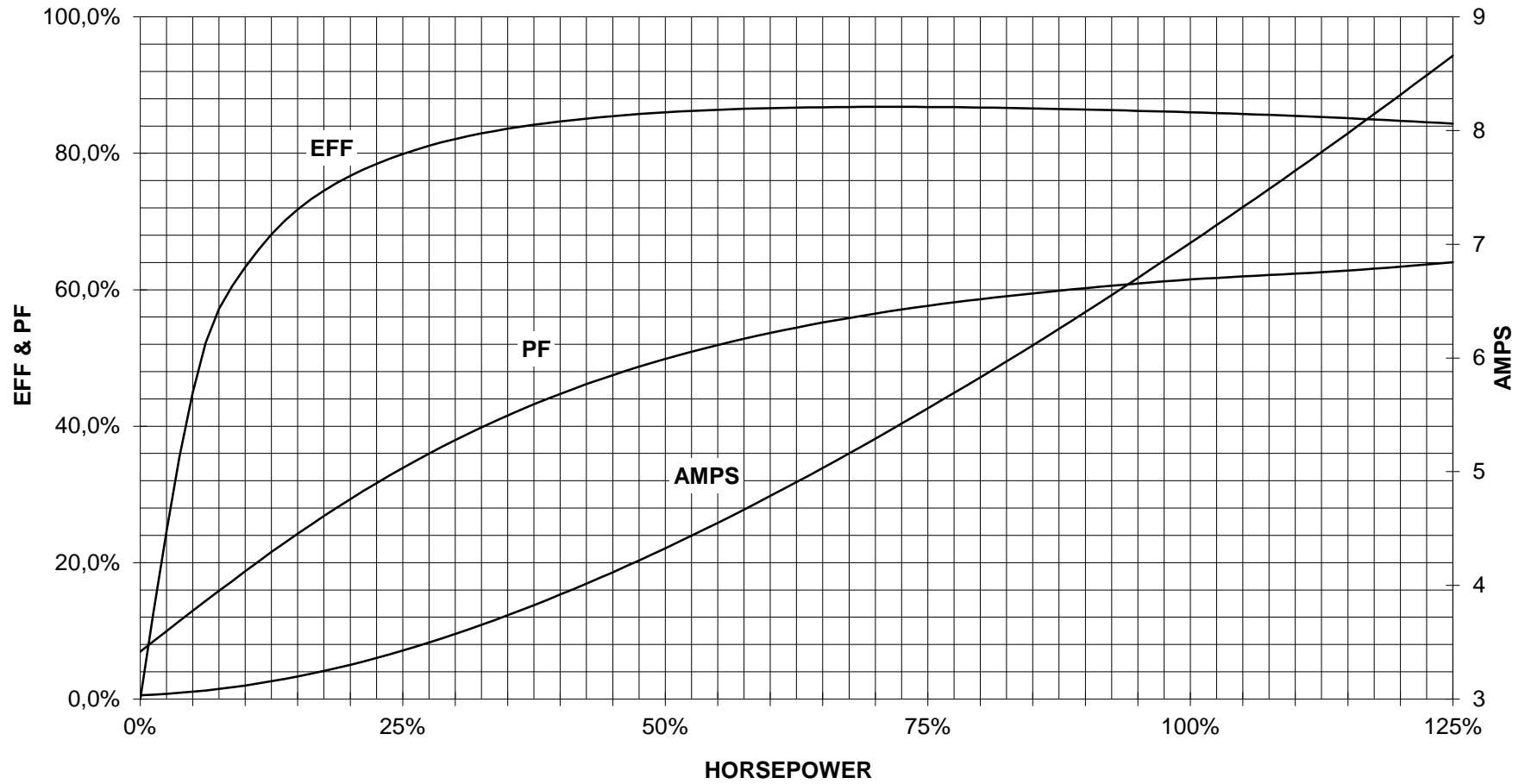
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

5 HP 900 RPM 254T FRAME 575 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



CUSTOMER _____ ORDER # _____ HORSEPOWER _____ PO # _____

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

REV. 1

Main terminal diagram



3 LEAD WYE			
LINES			CONN.
L1	L2	L3	
T1	T2	T3	Y

responsible dep. DI MC LVM	technical reference	created by	approved by	Project
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