

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

Motor type: **GP100A** FS: **145T - 6p - 1 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	1.00	0.75	1,200	1.30	1.10	0.90	0.80	8.8	82.5	82.5	80.2	70.9	63.3	50.2	4.5	256	344	

without

Frame Type: 145T	Type of constr.: (E) Foot mounted - C-Face	Ins. Cl.:Standard Class F Insulation	Motor Prot.:(A) Without Protection	NEMA Des.: B	S.F.: 1.15
Mtr. WT:51		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: K	IP 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz	50.0 dB(A) / 58.0 dB(A)	Thickener	Polyurea
Octave Band Center Frequencies Hertz		Safe Stall Time Hot	18 s
250	500	Safe Stall Time Cold	31 s
1000	2000	Frame material	aluminum
4000	8000	Color, paint shade	Standard Paint - RAL7030
Hz		Coating (paint finish)	Standard Alkyed + Epoxy (C2)
SPL@3	31.0	Ventilation Type	
	43.0	Method of cooling	TEFC
	47.0	Direction of rotation	Bidirectional
	40.0	Fan Material	Polypropylen
	36.0	VFD	CT: 4:1 VT: 20:1
	31.0	Space heaters	without
Moment of inertia	0.2 Lb-ft ²	Brake:	without
Ext Load Inertia Capability:	15.0 Lb ft ²		
Bearings			
Bearing DE NDE	6205 ZZ C3 S0	6205 ZZ C3 S0	
Bearing_Type	Ball Bearing	Ball Bearing	
AFBMA:	25BC02JPP30	25BC02JPP30	
Grease			
Capacity	0.1 oz	0.1 oz	
Grease Type:	Exxon Mobile EM		


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	.75" NPT
----	T1 T2 T3 ----		

Notes:

I_r/I_N = locked rotor current / current nominal
M_r/M_N = locked rotor torque / torque nominal
M_b/M_N = break down torque / nominal torque

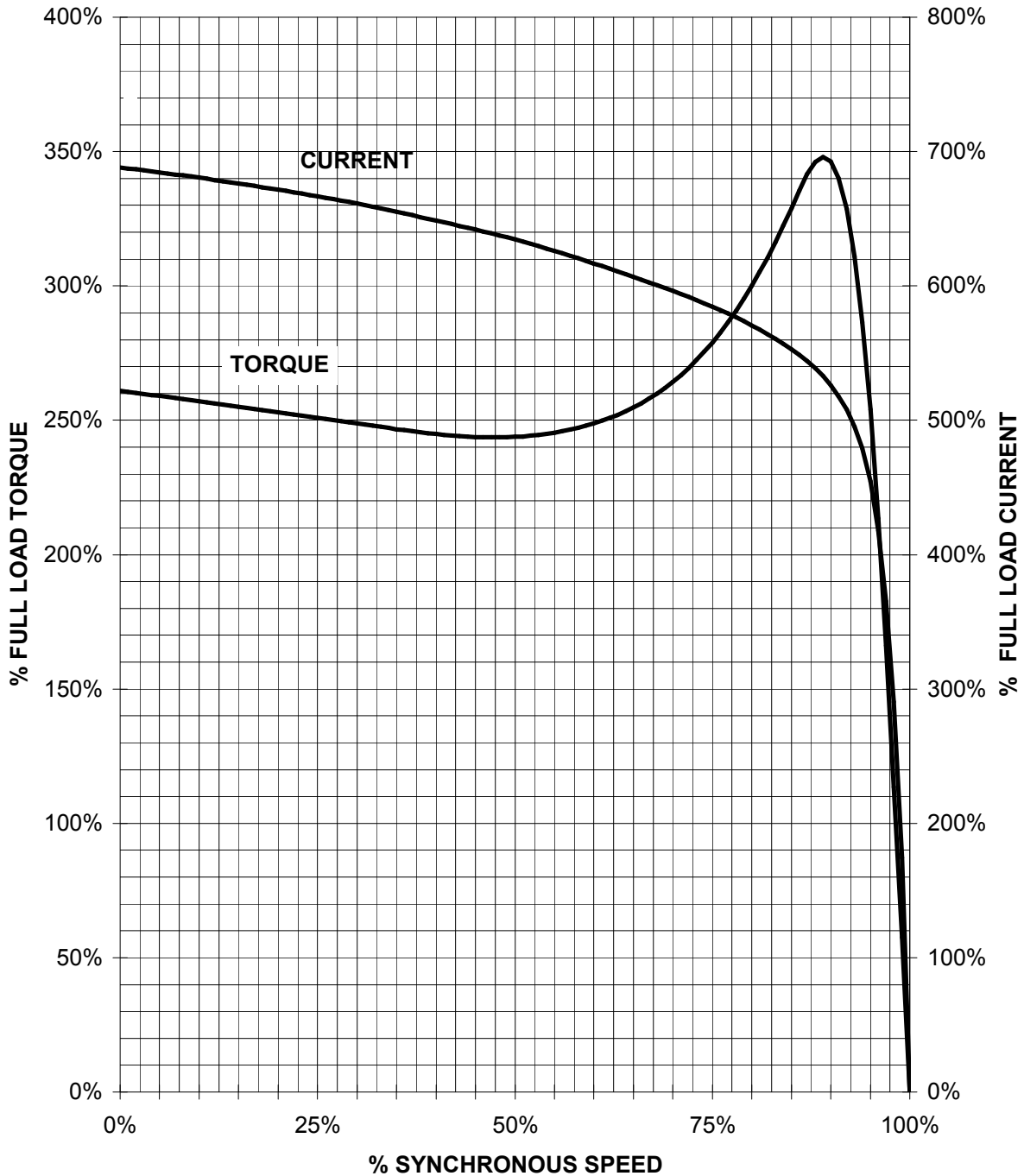
3) Value is valid only for DOL operation with motor design IC411
2) at rated power / at full load

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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HP 1 VOLTS < 600V RPM 1200 TYPE GP100A
HZ 60 PHASE 3 FRAME 145T NEMA B

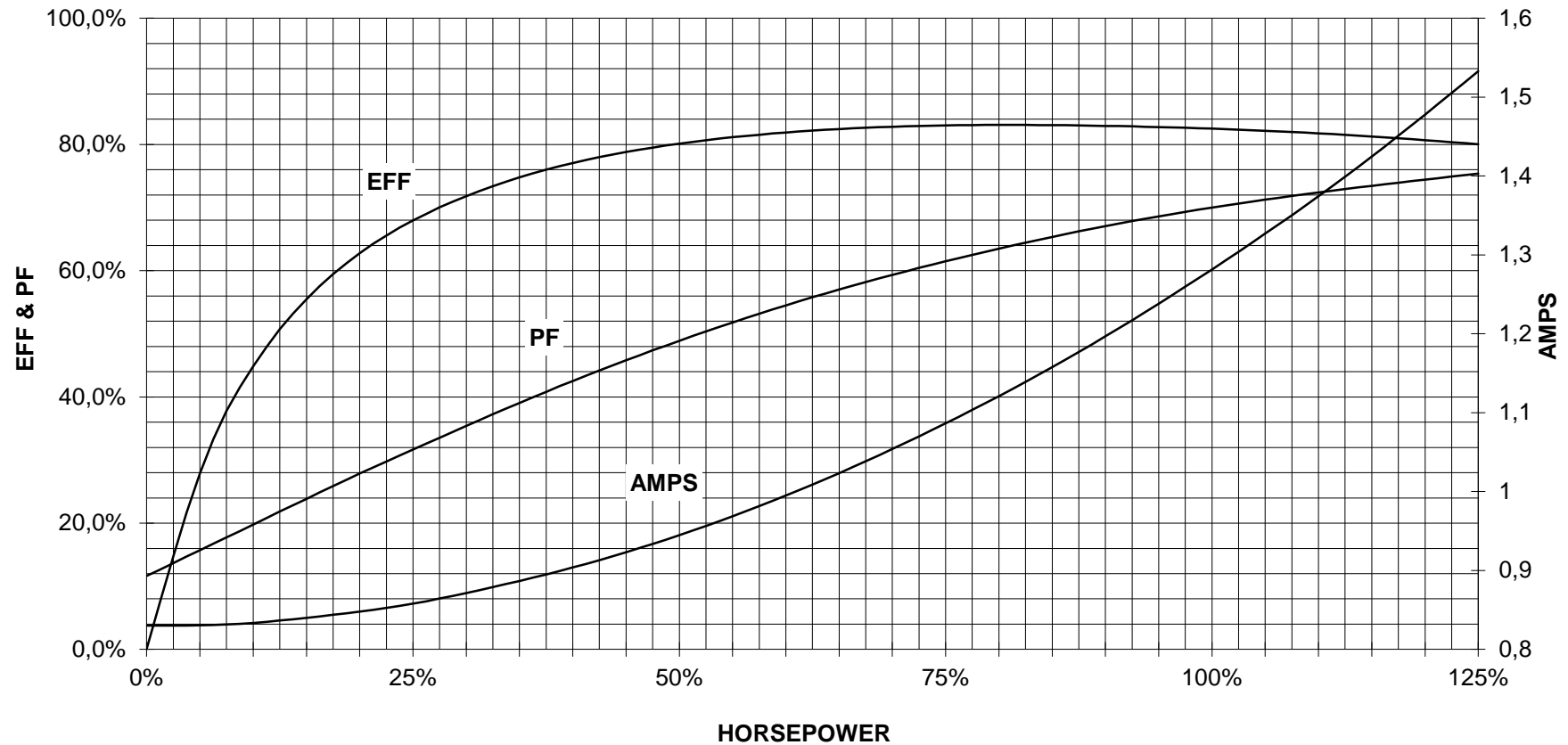
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

1 HP 1200 RPM 145 FRAME 575 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100A NP



CUSTOMER _____ ORDER # _____ 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

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