

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

Motor type: **GP100** FS: **365TS - 2p - 75 hp -**

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

## Electrical data

U [V]	$\Delta/Y$	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					LRC	Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	T <sub>A</sub> /T <sub>N</sub> LRT [%]	T <sub>k</sub> /T <sub>N</sub> BDT [%]
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4				
460	$\Delta$	60	75.00	55.00	3,600	86.00	64.90	46.30	22.00	543.0	94.1	94.3	93.7	88.0	86.0	81.0	111.0	160	260	
230	$\Delta\Delta$	60	75.00	55.00	3,600	172.00	129.89	92.53	44.00	1086.0	94.1	94.3	93.7	88.0	86.0	81.0	111.0	160	260	
400	$\Delta$	50	60.00		2,976	75.70	58.60	41.76	23.60	576.0	94.0	94.2	94.0	90.5	89.0	83.0	106.6	171	350	
200	$\Delta\Delta$	50	60.00		2,976	151.40	117.20	83.52	47.20	1152.0	94.0	94.2	94.0	90.5	89.0	83.0	106.6	171	350	

Frame Type: 365TS	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: 888		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: G	IP 54

## Mechanical data

Sound level (SPL / SWL) at 60 Hz	87.0 dB(A) / 98.0 dB(A)		Thickener	Polyurea					
Octave Band Center Frequencies Hertz			Safe Stall Time Hot	16 s					
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	27 s
SPL@3	74.0	77.0	82.0	83.0	77.0	67.0	dB(A)	Frame material	cast iron
Moment of inertia	11.0 Lb-ft <sup>2</sup>		Color, paint shade	Standard Paint - RAL7030					
Ext Load Inertia Capability:	71.0 Lb ft <sup>2</sup>		Coating (paint finish)	Standard Alkyed + Epoxy (C2)					
<b>Bearings</b>									
Bearing DE   NDE	6314 Z C3 S0		6214 ZZ C3 S0						
Bearing_Type	Ball Bearing		Ball Bearing						
AFBMA:	70BC03JP30		70BC02JPP30						
<b>Grease</b>									
Capacity	7.5 oz		6.7 oz						
Grease Type:	Exxon Mobile EM								
<b>Ventilation Type</b>									
Method of cooling					TEFC				
Direction of rotation					Bidirectional				
Fan Material					Polypropylen ESD				
VFD					CT: 4:1 VT: 20:1				
Space heaters					without				
Brake:					without				


## Terminal box

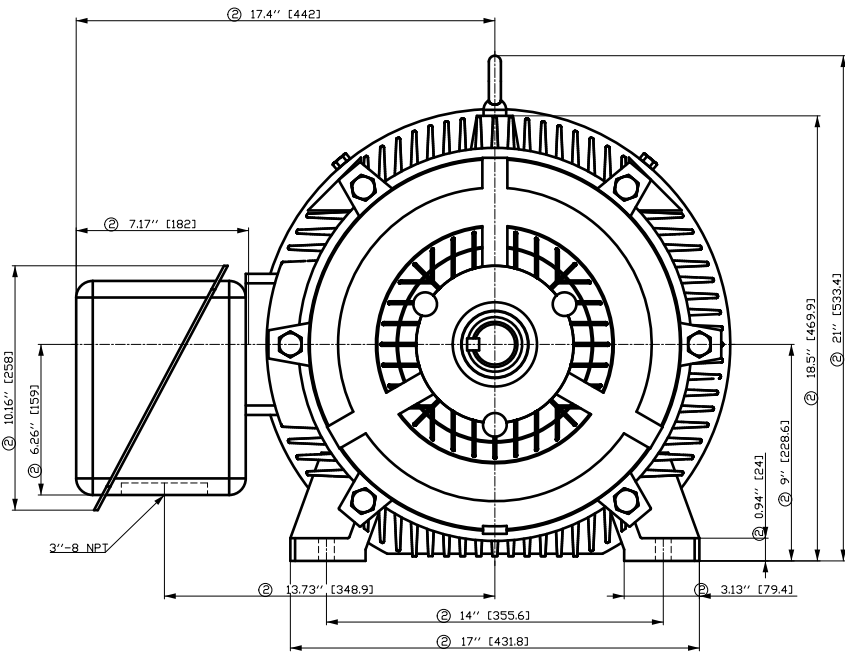
Lead Wire Connection	9 LEAD - DELTA				Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Stamped Steel
LOW	T1 T7 T6	T2 T8 T4	T3 T9 T5	---	Cable entry	3" NPT
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9		

## Notes:

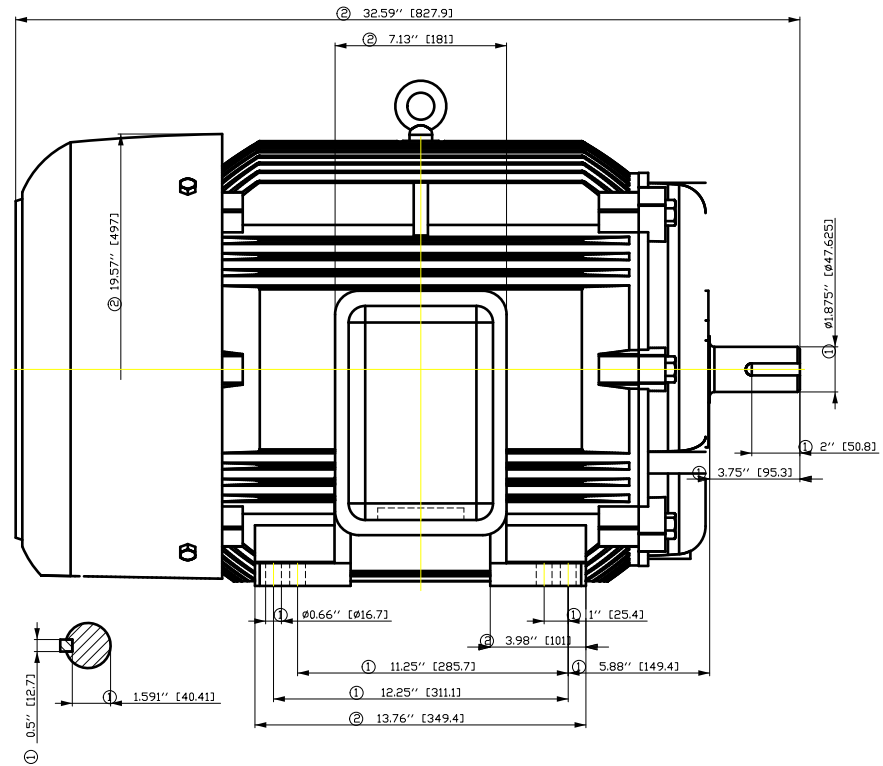
I<sub>L</sub>/I<sub>N</sub> = locked rotor current / current nominal  
M<sub>L</sub>/M<sub>N</sub> = locked rotor torque / torque nominal  
M<sub>d</sub>/M<sub>N</sub> = break down torque / nominal torque

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.

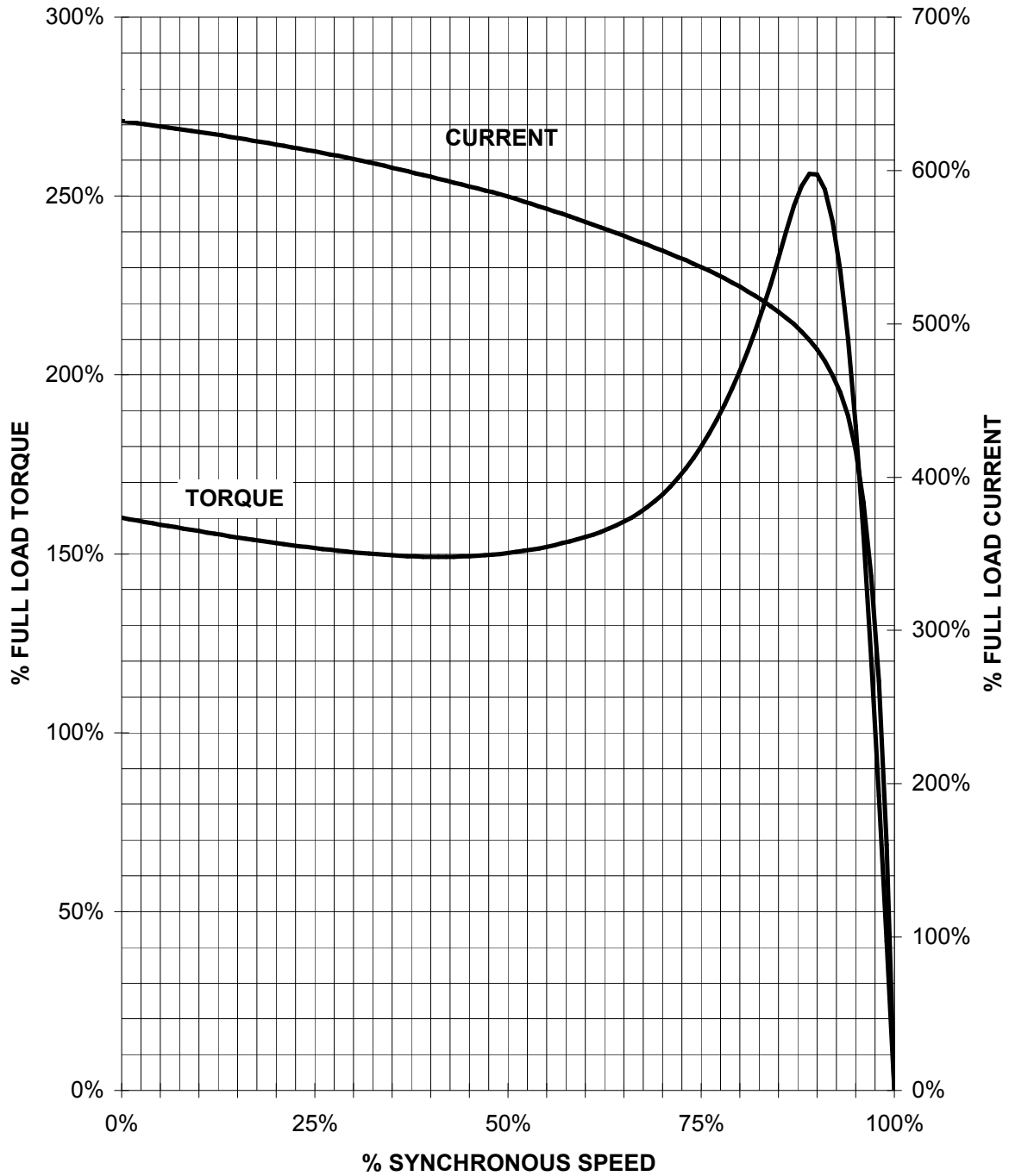


Tolerance	Surface	Material	Weight	Scale
F50GG3F-H0CG3F-00EH E	Author Creator Approval Department Change Order	ÖVS Tæ: ^æ@`)*	E	{ {
SIEMENS	Doc. State	Item No	Doc Type	
	Revision	Index	Paper Size	
© Siemens AG	Project No	Ref No	1st Language	2nd Language
2018	E	E	^)	â^
			Sheet	F of F

# SIEMENS INDUSTRY, INC.

HP 75    VOLTS < 600V    RPM 3600    TYPE GP100  
HZ 60    PHASE 3    FRAME 365TS    NEMA B

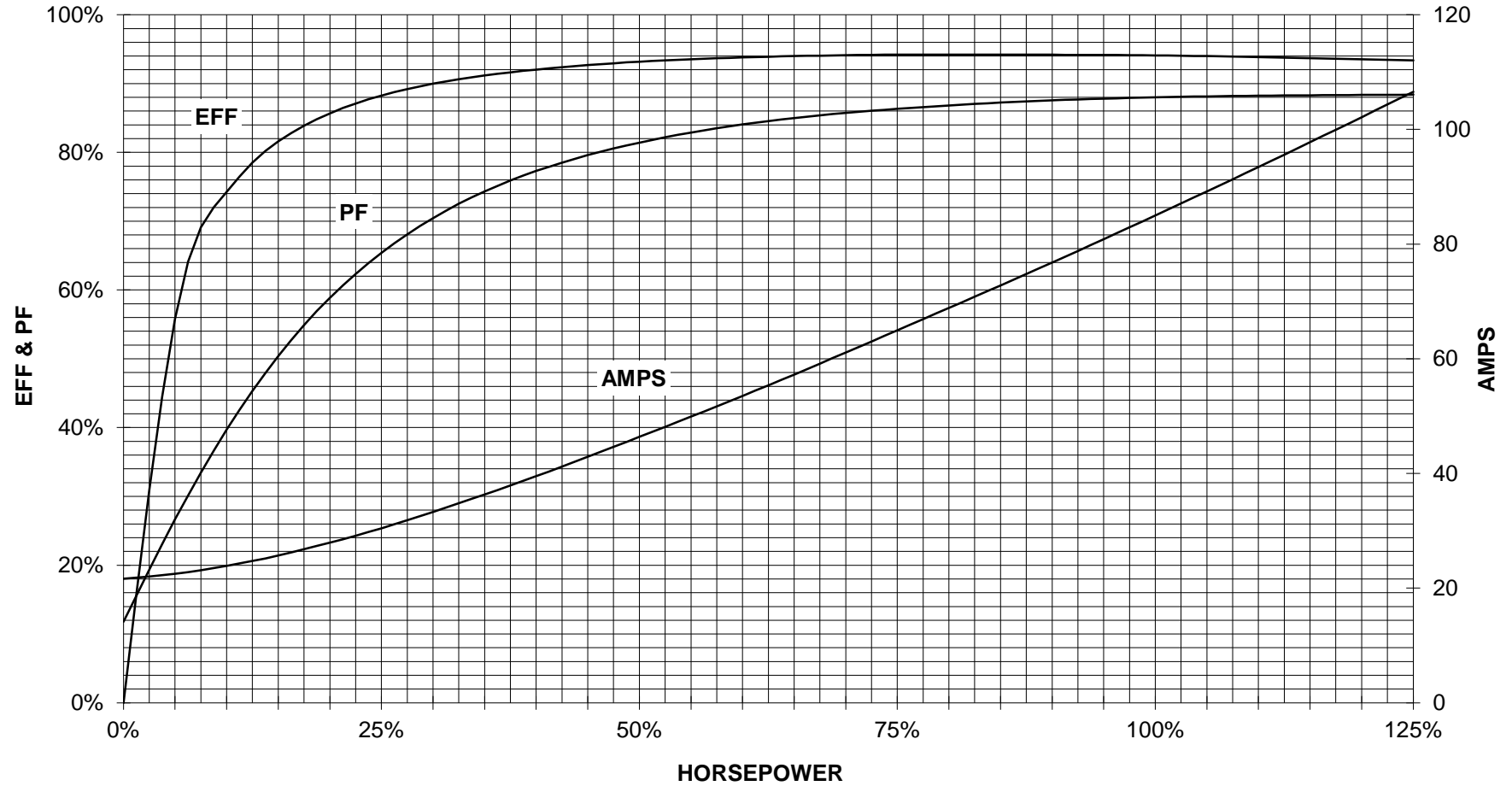
## TORQUE & CURRENT VS. SPEED



CUSTOMER: \_\_\_\_\_ ORDER#: \_\_\_\_\_

75 HP 3600 RPM 365TS FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

**SIEMENS INDSTRY, INC.**  
**PERFORMANCE CURVE**  
**GP100**

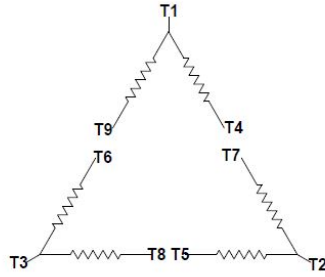


CUSTOMER \_\_\_\_\_ ORDER # \_\_\_\_\_ PO # \_\_\_\_\_

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

REV. 1

Main terminal diagram



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

responsible dep. DI MC LVM	technical reference	created by	approved by	Project
<b>SIEMENS</b>	document type Wiring Diagram	document status free		customer
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