

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

Motor type: **GP100** FS: **326T - 8p - 25 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	25.00	18.50	900	40.00	32.60	27.00	22.00	183.0	91.0	91.2	90.4	65.0	59.0	48.0	149.0	150	200	
230	$\Delta\Delta$	60	25.00	18.50	900	80.00	65.26	53.95	44.00	366.0	91.0	91.2	90.4	65.0	59.0	48.0	149.0	150	200	

**without**

Frame Type: 326T	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: 663		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	57.0 dB(A) / 67.0 dB(A)		Thickener	Polyurea					
Octave Band Center Frequencies Hertz			Safe Stall Time Hot	22 s					
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	40 s
SPL@3	53.0	55.0	56.0	53.0	41.0	32.0	dB(A)	Frame material	cast iron
Moment of inertia	10.4 Lb-ft <sup>2</sup>		Color, paint shade	Standard Paint - RAL7030					
Ext Load Inertia Capability:	647.0 Lb ft <sup>2</sup>		Coating (paint finish)	Standard Alkyed + Epoxy (C2)					
<b>Bearings</b>			<b>Ventilation Type</b>						
Bearing DE   NDE	6312 Z C3 S0		6210 ZZ C3 S0	Method of cooling	TEFC				
Bearing_Type	Ball Bearing		Ball Bearing	Direction of rotation	Bidirectional				
AFBMA:	60BC03JP30		50BC02JPP30	Fan Material	Polypropylen ESD				
<b>Grease</b>			VFD	CT: 4:1 VT: 20:1					
Capacity	5.5 oz		2.3 oz	Space heaters	without				
Grease Type:	Exxon Mobile EM		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	2" NPT
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9		

<b>Notes:</b>					
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>L</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		

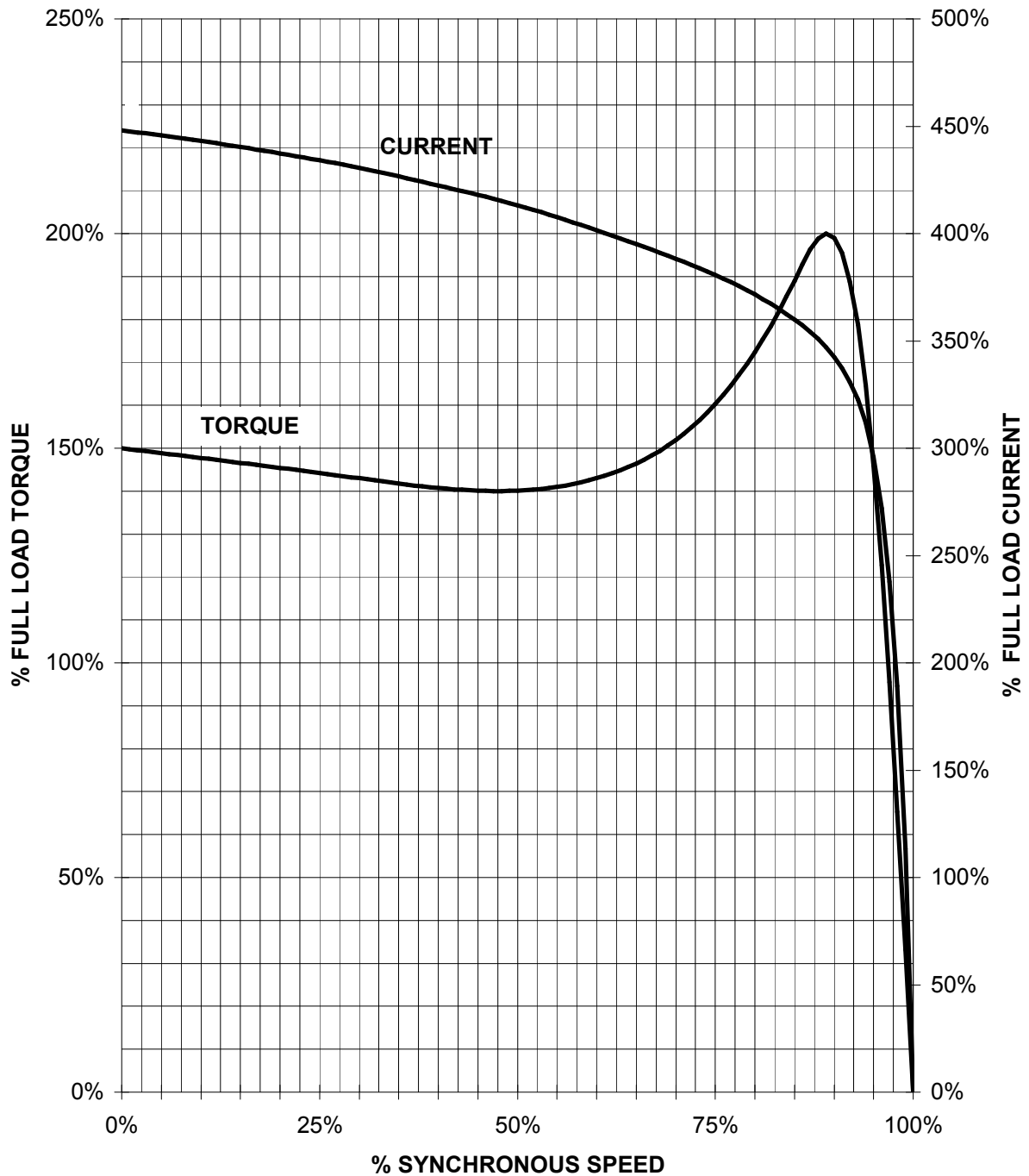
responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between software and hardware versions</i>	
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HP 25    VOLTS < 600V    RPM 900    TYPE GP100  
HZ 60    PHASE 3    FRAME 326T    NEMA B

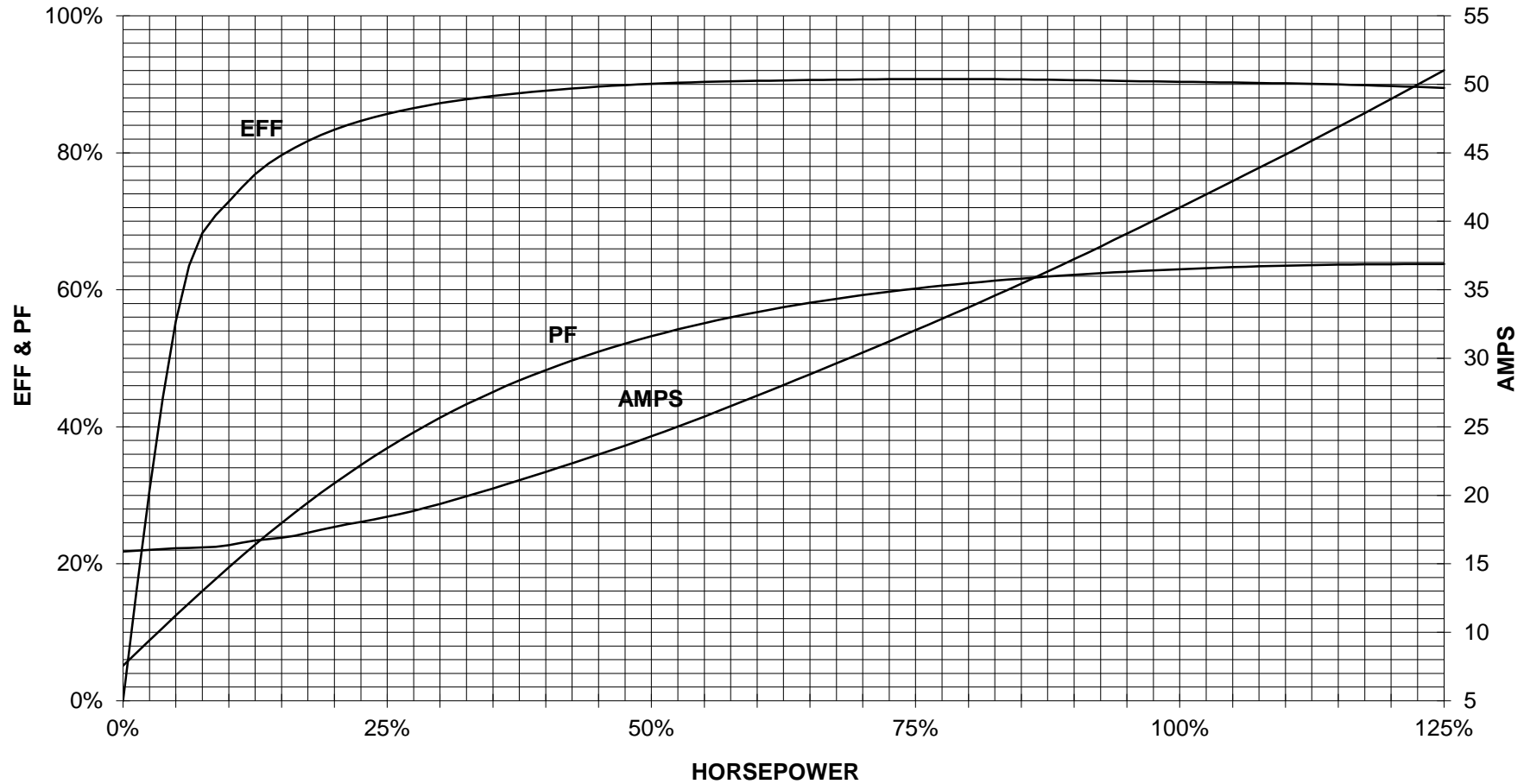
## TORQUE & CURRENT VS. SPEED



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

25 HP 900 RPM 326T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

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

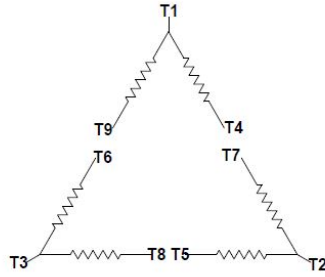


CUSTOMER \_\_\_\_\_ ORDER # \_\_\_\_\_ PO # \_\_\_\_\_

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

REV. 1

Main terminal diagram



9 LEAD 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
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