

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

Motor type: **GP100** FS: **364T - 6p - 40 hp -**

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

Remarks

## Electrical data without

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				
	$\Delta$	60	40.00	30.00	1,185							94.1	94.6	94.4	81.0	77.0	68.0	177.0	190	220

Frame Type: 364T	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: 828		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: G	I.P.: 55


## Mechanical data

Sound level (SPL / SWL) at 60 Hz	60.0 dB(A) / 71.0 dB(A)							Thickener	Polyurea
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	29 s
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	55 s
SPL@3	48.0	53.0	54.0	53.0	52.0	50.0	dB(A)	Frame material	cast iron
Moment of inertia	14.8 Lb-ft <sup>2</sup>							Color, paint shade	Standard Paint - RAL7030
Ext Load Inertia Capability:	503.0 Lb ft <sup>2</sup>							Coating (paint finish)	Standard Alkyed + Epoxy (C2)
<b>Bearings</b>								<b>Ventilation Type</b>	
Bearing DE   NDE	6314 Z C3 S0			6214 ZZ C3 S0				Method of cooling	TEFC
Bearing_Type	Ball Bearing			Ball Bearing				Direction of rotation	Bidirectional
AFBMA:	70BC03JP30			70BC02JPP30				Fan Material	Polypropylen ESD
<b>Grease</b>								VFD	CT: 4:1 VT: 20:1
Capacity	7.50 oz			6.70 oz				Space heaters	without
Grease Type:	Exxon Mobile EM							Brake:	without

## Terminal box

Lead Wire Connection					3 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				
----	----	----	----	----						Cable entry	3" NPT				
----	T1	T2	T3	----											

**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>B</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>			
	document type datasheet	document status released	customer				
	title 1LE2221-3CC19-0AA3-Z B09+D05+M1Y+Y80	document number					
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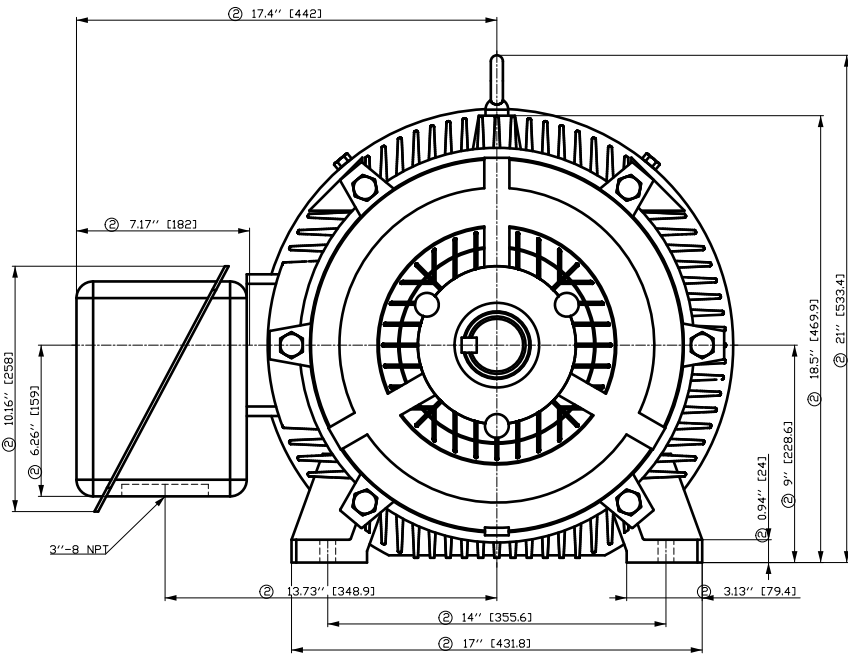
**Special design**

B09	Export packing sea freight - Siemens standard	M1Y	Special voltage (200-460V)
D05	Documentation in Spanish	Y80	Rerate / derate altitude and/or ambient:

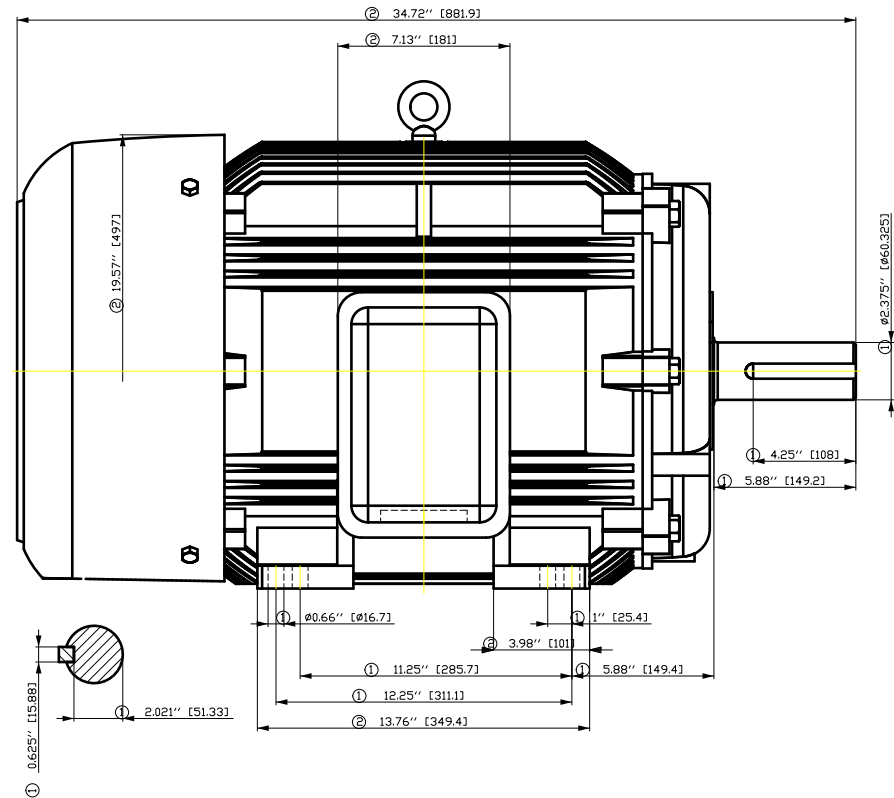
Notes:

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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.

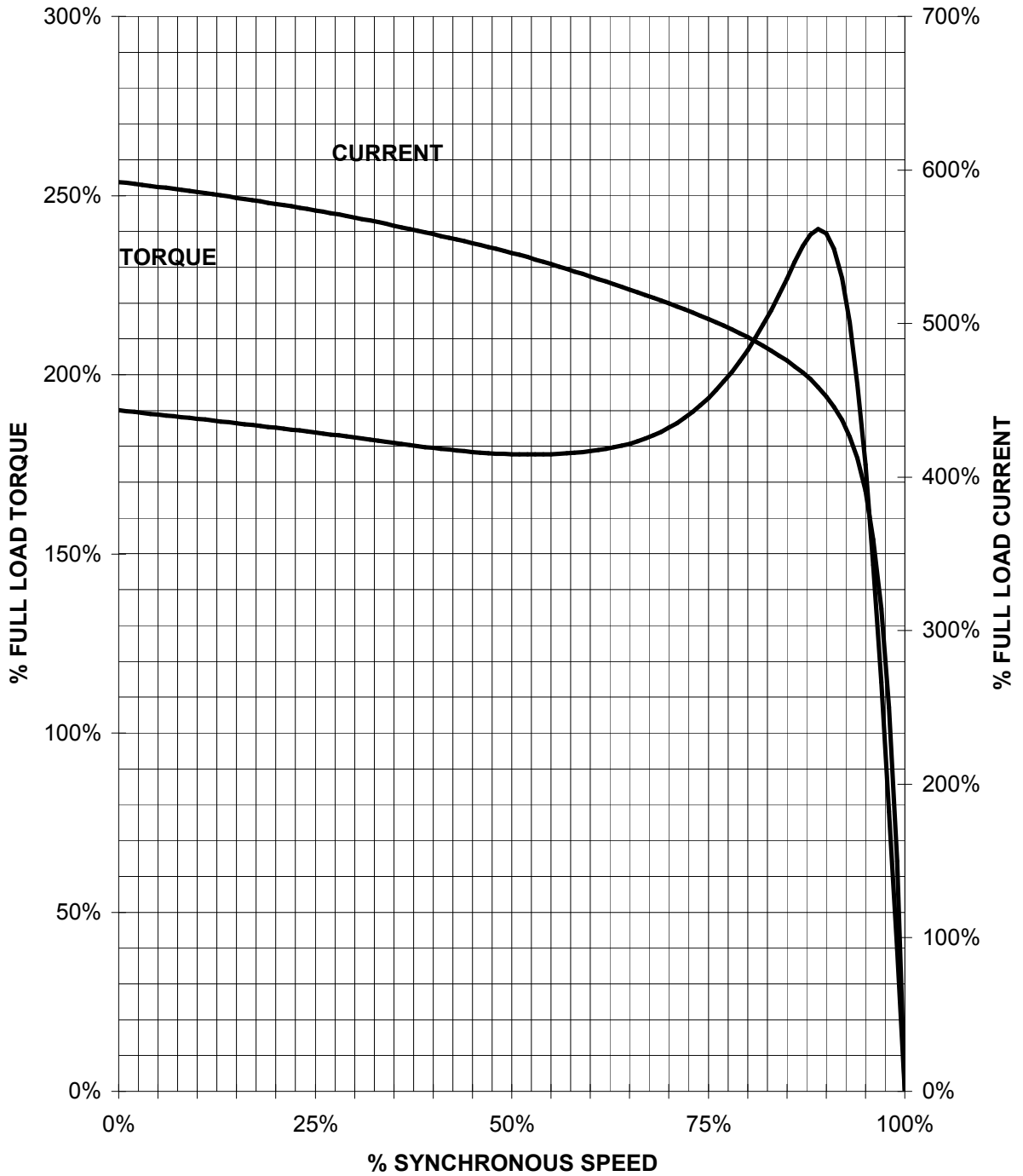


Tolerance	Surface	Material	Weight	Scale
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SIEMENS	Doc. State	Item No	Doc Type	Paper Size
	Revision	Index	Doc No	1st Language 2nd Language
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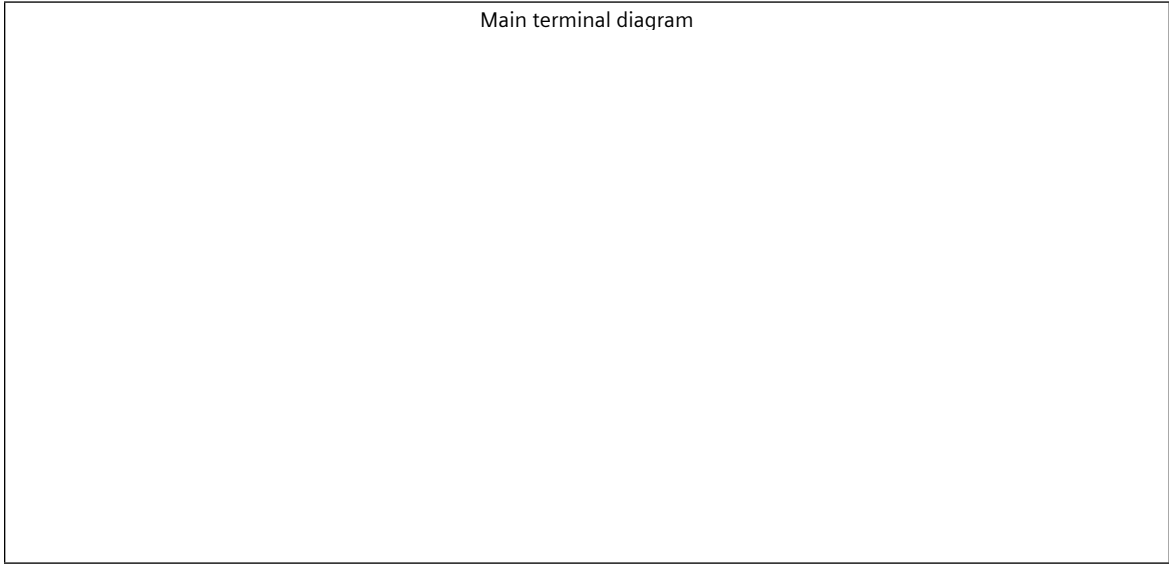
HP 40    VOLTS < 600V    RPM 1200    TYPE GP100  
HZ 60    PHASE 3    FRAME 364T    NEMA B


## TORQUE & CURRENT VS. SPEED



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

Main terminal diagram



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