

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

Motor type: (891) RGZESDI 10:1 CT FS: 184T - 4p - 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				
460	Δ	60	5.00	-/-	1,730	6.50 /	-/-	-/-	3.20	-/-	87.5	88.2	87.5	82.0	75.0	63.0	15.0			
Frame Type: 184T		Type of constr.: (A) Foot mounted C-1,2; F-1,2; W-1...8				Ins. Cl.: Class F (Standard)		Motor Prot.: (G) Thermostats, Klixon type, normally closed				NEMA Des.: B		S.F.:						
Mtr. WT:						Temp. Rise Cl.: B		Amb. Temp.: + 40 to °C @1000 m				kVA: J		I.P.: IP55						

Mechanical data

Sound level (SPL / SWL) at 60 Hz	0.0 dB(A) / 0.0 dB(A)		Thickener	Polyurea				
Octave Band Center Frequencies Hertz			Safe Stall Time Hot	0.0 s				
250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	0.0 s
SPL@3			dB(A)		Frame material	cast iron	Color, paint shade	
Moment of inertia	0.3 Lb-ft ²		Coating (paint finish)					
Ext Load Inertia Capability:	Lb ft ²		Ventilation Type					
Bearings			Method of cooling	IC 411				
Bearing DE NDE	6206 Z C3		6206 Z C3	Direction of rotation				
Bearing_Type	Ball Bearing		Ball Bearing	Fan Material	plastic			
AFBMA:	30BC02JP3		30BC02JP3	VFD	CT: n/a VT: n/a			
Grease			Space heaters	without				
Capacity	oz		oz	Brake:	-/-			
Grease Type:	Polyurea (standard)							


Terminal box

Lead Wire Connection				Terminal box position		
Voltage	L1	L1	L1	Connected together	Material of terminal box	standard
				Cable entry	-/-	

Notes:

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

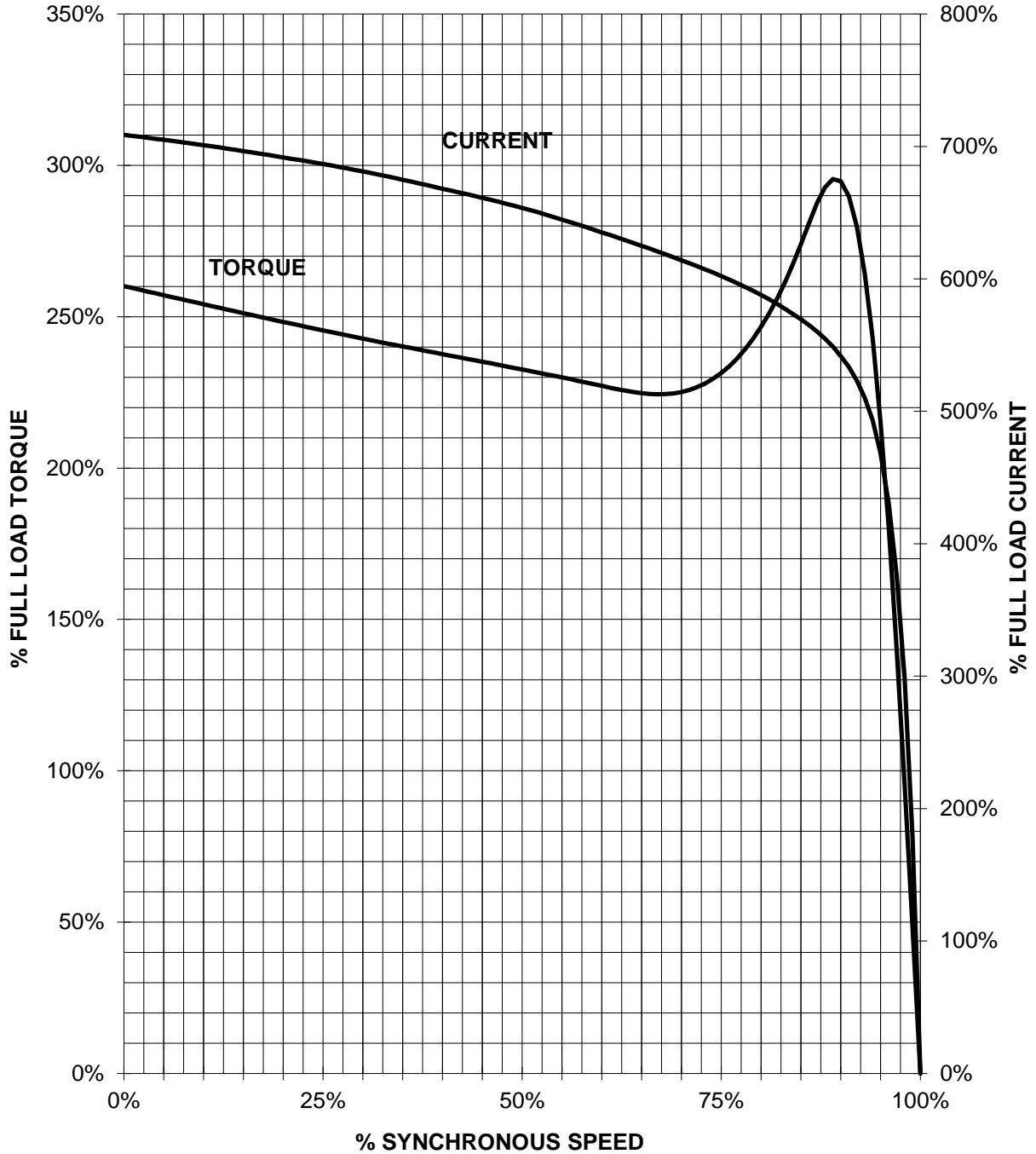
3) Value is valid only for DOL operation with motor design IC411
2) at rated power / at full load

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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SIEMENS INDUSTRY INC.

HP 5 VOLTS <600V RPM 1800 TYPE RGZESDI 10:1
HZ 60 PHASE 3 FRAME 184T NEMA B

TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

2

1

B

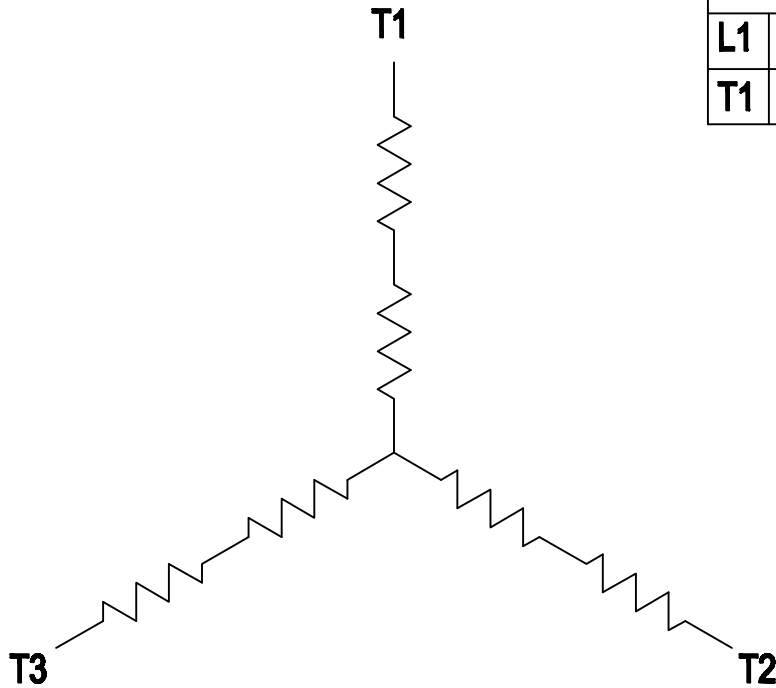
B

A

A

3 PHASE - 3 LEADS - WYE

LINES			CONN.
L1	L2	L3	
T1	T2	T3	Y



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01 | 09-27-07

TYPE

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Siemens Energy & Automation, Inc.
Industrial Motor Division - Little Rock, AR

FRAME

HP

NAME

WIRING DIAGRAM

VOLTS

RPM

HZ

PH

3

Customer

PO #

SO #

DRAWN 9.24.07 DATE JRH

CHECKED DATE

APP DATE

SHEET 1 OF 1

Sim. To

PART NO.

51-382-114-503

A

2

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