

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

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

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

Electrical data Class I, Div 1 Gr. C&D; Class II, Div1, Gr. F&G

U [V]	Δ/Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					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	LRC	4/4	3/4	2/4	4/4	3/4	2/4			
575		60	40.00	-/-	1,185	39.20	30.90	23.30	15.20	232.0	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.:Insulation class F	Motor Prot.:(G) Thermostats, Klixon type, normally closed	NEMA Des.: B	S.F.: 1.15
Mtr. WT:606		Temp. Rise Cl.: B	Amb. Temp.: + to -20 °C @1000 m	kVA: G	IP IP65


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	
SPL@3		dB(A)	
Moment of inertia	14.9 Lb-ft ²	Safe Stall Time Cold	55 s
Ext Load Inertia Capability:	503.0 Lb ft ²	Frame material	cast iron
Bearings		Color, paint shade	
Bearing DE NDE	6314 Z C3 S0	6314 Z C3 S0	
Bearing_Type	Ball Bearing	Ball Bearing	
AFBMA:	70BC03JP30	70BC03JP30	
Grease		Coating (paint finish)	
Capacity	7.5 oz	7.5 oz	
Grease Type:	Exxon Mobile EM	Ventilation Type	
		Method of cooling	TEFC
		Direction of rotation	Bidirectional
		Fan Material	Polypropylen ESD
		VFD	CT: n/a VT: 20:1
		Space heaters	without
		Brake:	-/-

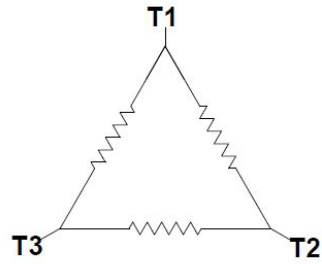
Terminal box

Lead Wire Connection	3 LEAD - DELTA	Terminal box position	(3) Mounting - F-1
Voltage	L1	L1	L1
	Connected together	Material of terminal box	
		Cable entry	-/-

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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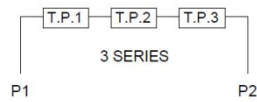
Main terminal diagram



3 LEAD DELTA			
LINES			CONN.
L1	L2	L3	
T1	T2	T3	Δ

Motor protection

THERMOSTATS



responsible dep.
DI MC LVM

technical reference

created by

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Project

SIEMENS

document type
Wiring Diagram

title
1MB2121-3CC11-3AG3

document status
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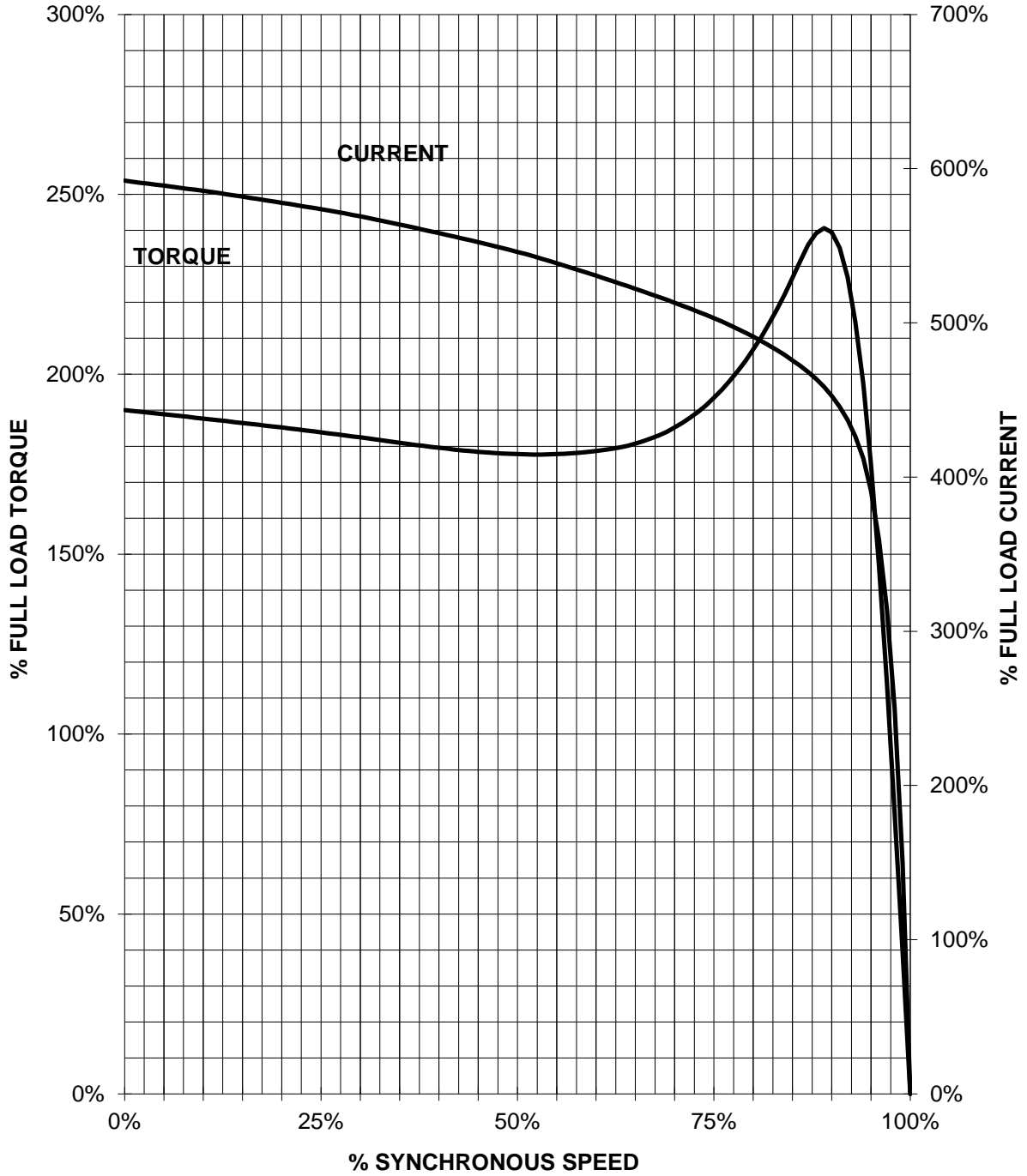
document number

customer

SIEMENS INDUSTRY, INC.

HP 40 VOLTS <600 RPM 1200 TYPE XP100
HZ 60 PHASE 3 FRAME 364T NEMA B

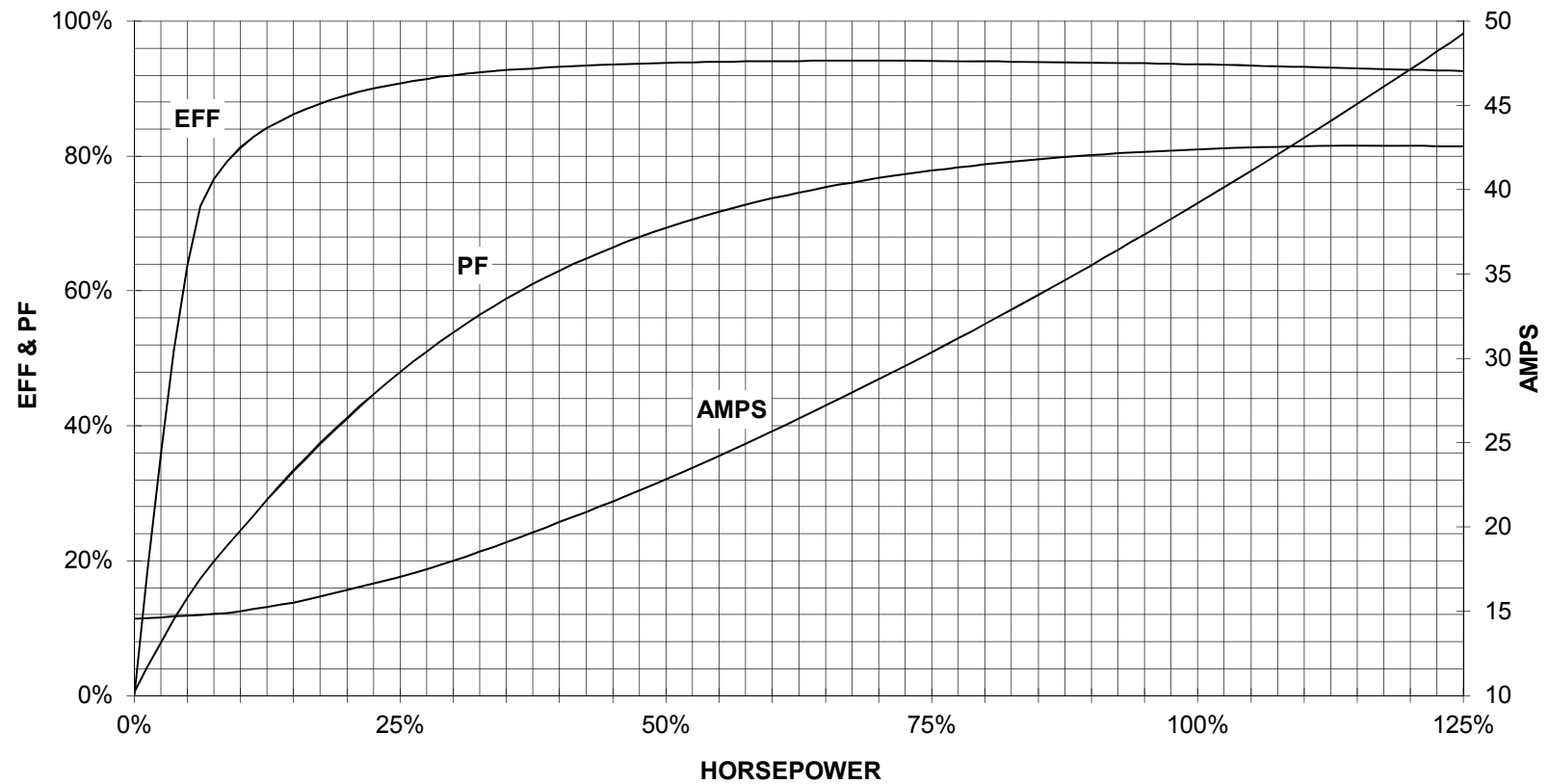
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

40 HP 1200 RPM 365T FRAME 575 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
XP100



CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1