

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

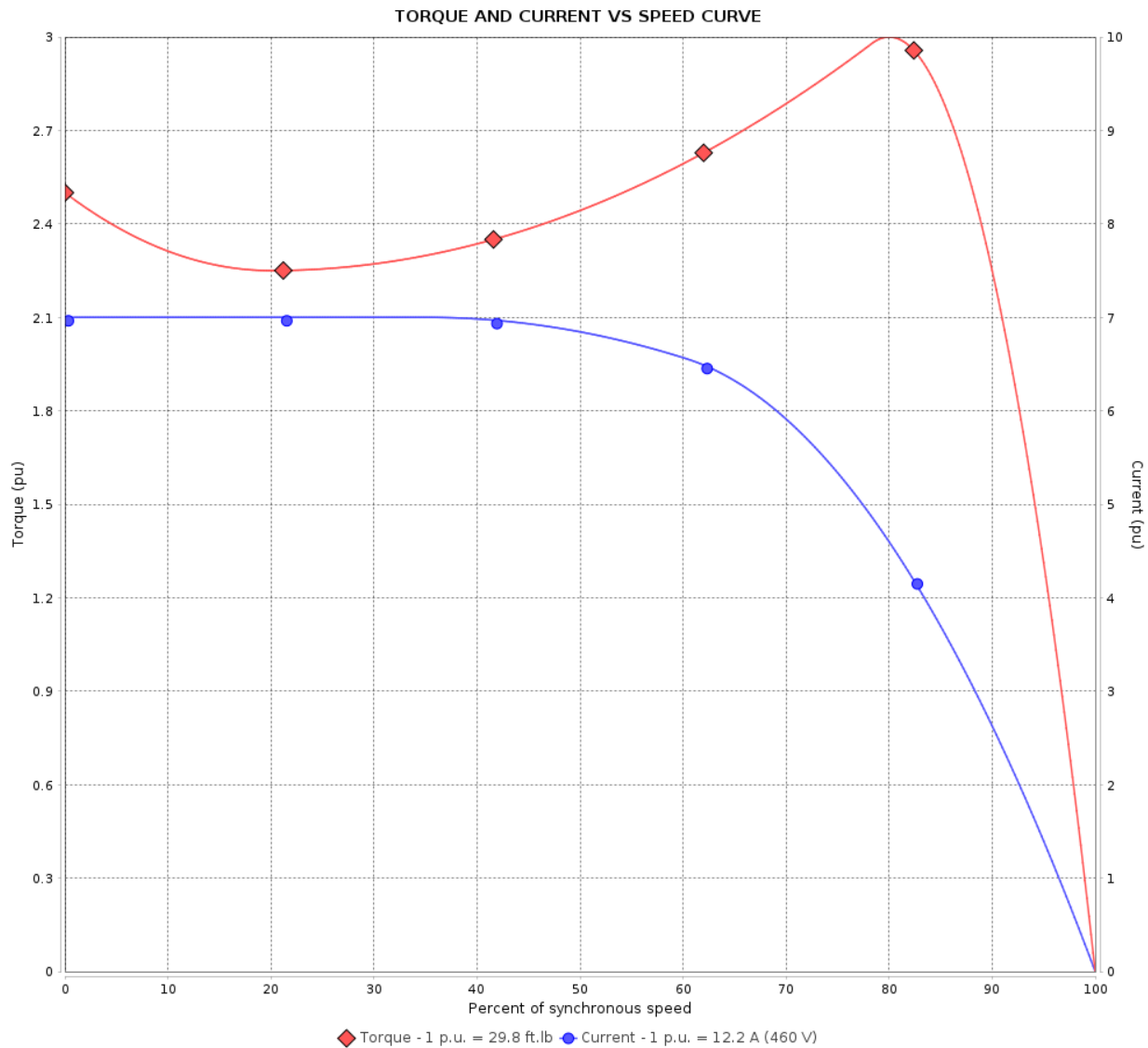


Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 14122310

Catalog # : 01018ET3E215TC-S



Performance : 230/460 V 60 Hz 4P

Rated current	: 24.4/12.2 A	Moment of inertia (J)	: 1.07 sq.ft.lb
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 29.8 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: B

Locked rotor time : 27s (cold) 15s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

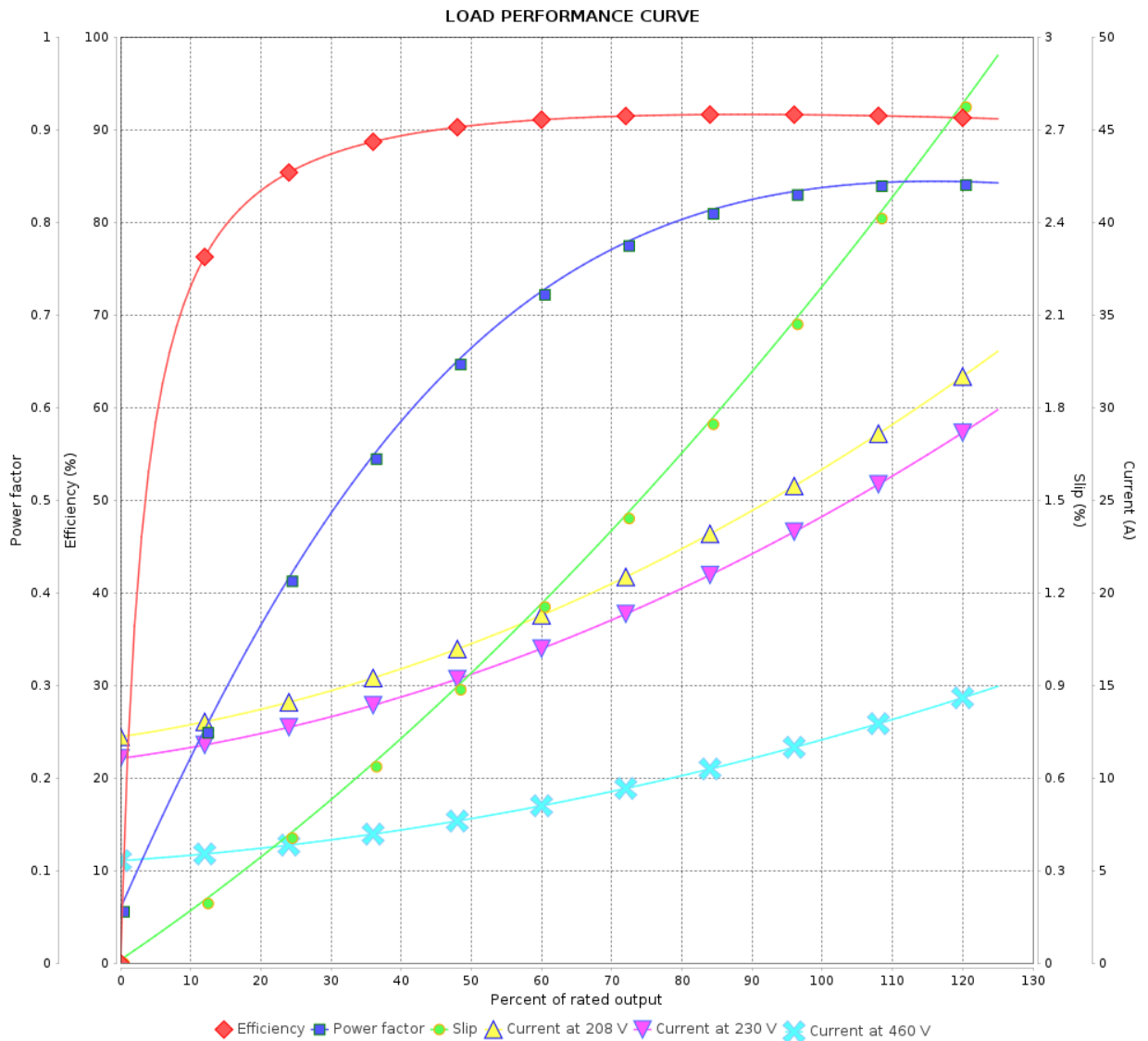


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THERMAL LIMIT CURVE



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Heating constant

Cooling constant

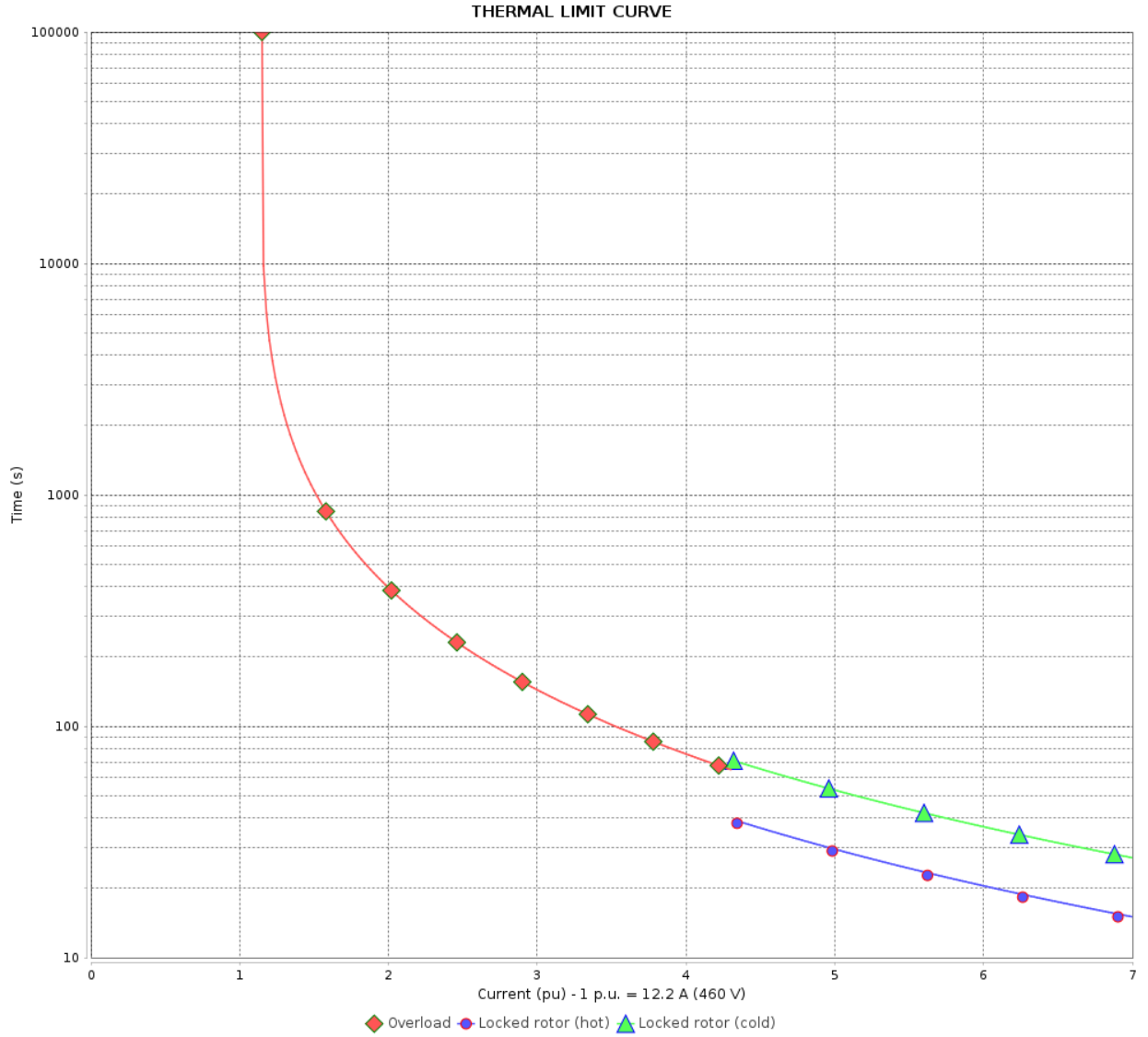
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

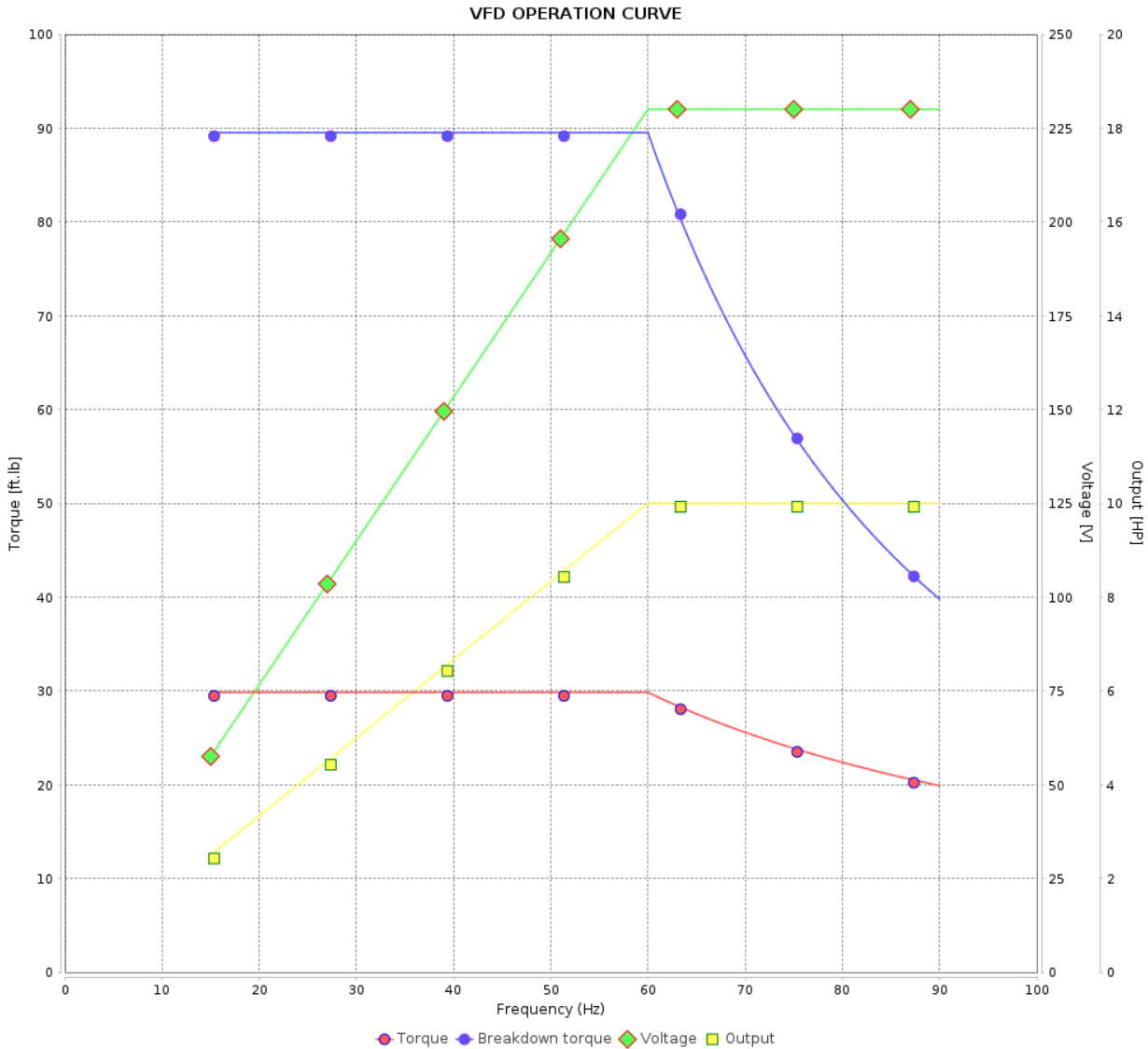


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NEMA
Premium



MADE IN MEXICO

MAT: 14122310 CC029A

W01.TE0IC0X0N

MODEL 01018ET3E215TC-S

For 60Hz: Class I, Zone 2, IIC

Class I, Div.2, Gr. A,B,C,D - T3

Class II, Div.2, Gr. F,G - T4

Div 2 Inverter Duty (SF1.00)

CT 2:1/VT 1000:1

PH 3	Hz 60	HP 10
FR 213/5TC		KW 7.5
DUTY CONT.		V 230/460
ALT 1000 m.a.s.l.		A 24.4/12.2
INS CL F AT 80K	IP55	SFA 28.1/14.0
AMB 40°C	DES B	SF 1.15
ENCL TEFC	CODE H	PF 0.84
		RPM 1760
		NEMA
		NOM. EFF 91.7%

ALTERNATE RATING: 7.5HP 50Hz 190-220/380-415V SF1.15
22.4-20.6/11.2-10.9A 1465RPM EFF 90.1% (IE3) IEC 60034-1

For safe area-inverter duty motor For 60Hz use on VPWM 1000:1 VT, 4:1 CT

DE 6208-ZZ	ODE 6206-ZZ	MOBIL POLYREX EM
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INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.



AVERTISSEMENT: Le moteur doit être mis à la terre

conformément aux codes électriques locaux et nationaux afin d'éviter tout

choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.

