

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Nestle NDC, Solon
 Customer reference : PO# 4577047733 - PT253.11

Product line : W22 Super Premium Efficiency Three-Phase Product code : 11716507
 Catalog # : 01018EG3EL215T-W22

Frame : L213/5T	Locked rotor time : 37s (cold) 21s (hot)
Output : 10 HP (7.5 kW)	Temperature rise : 80 K
Poles : 4	Duty cycle : Cont.(S1)
Frequency : 60 Hz	Ambient temperature : -20°C to +40°C
Rated voltage : 230/460 V	Altitude : 1000 m.a.s.l.
Rated current : 24.0/12.0 A	Protection degree : IP55
L. R. Amperes : 228/114 A	Cooling method : IC411 - TEFC
LRC : 9.5x(Code L)	Mounting : F-1
No load current : 10.0/5.00 A	Rotation ¹ : Both (CW and CCW)
Rated speed : 1765 rpm	Noise level ² : 58.0 dB(A)
Slip : 1.94 %	Starting method : Direct On Line
Rated torque : 29.8 ft.lb	Approx. weight ³ : 200 lb
Locked rotor torque : 229 %	
Breakdown torque : 350 %	
Insulation class : F	
Service factor : 1.25	
Moment of inertia (J) : 1.78 sq.ft.lb	
Design : A	

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	91.7	92.4	93.0	Max. traction : 450 lb
Power Factor	0.00	0.66	0.78	0.84	Max. compression : 650 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
7.3	6.0	5.8	3.8	2.6	1.8	1.2

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type :	6308 ZZ	6207 ZZ
Sealing :	V'Ring	V'Ring
Lubrication interval :	0 h	0 h
Lubricant amount :	0 g	0 g
Lubricant type :	Mobil Polyrex EM	

Notes
 USABLE @208V
 01018EG3EL215T-W22, F1

This revision replaces and cancel the previous one, which must be eliminated.
 (1) Looking the motor from the shaft end.
 (2) Measured at 1m and with tolerance of +3dB(A).
 (3) Approximate weight subject to changes after manufacturing process.
 (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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TORQUE AND CURRENT VS SPEED CURVE



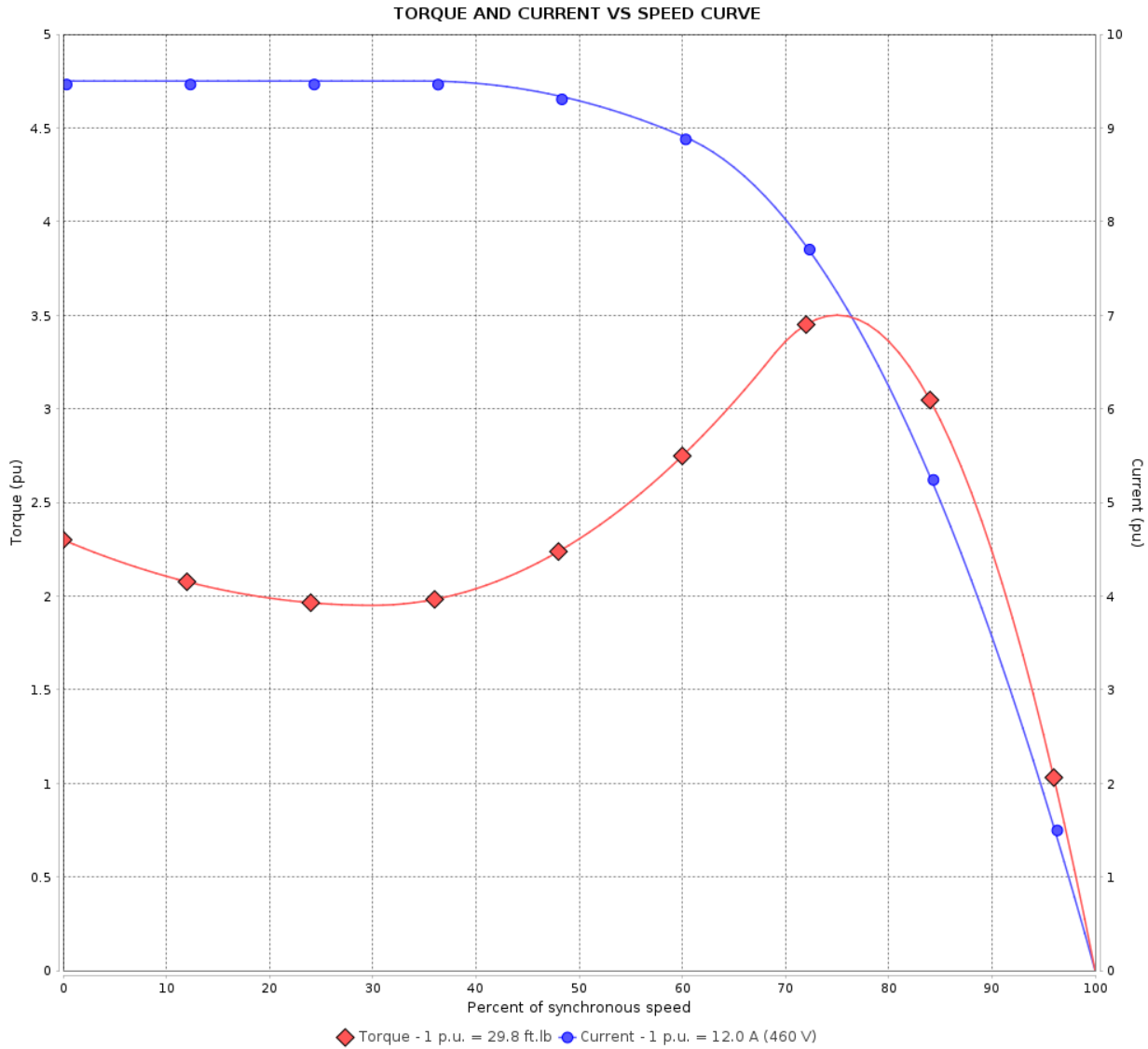
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 Breakdown torque : 350 %
 Rated speed : 1765 rpm

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 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : A

Locked rotor time : 37s (cold) 21s (hot)

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LOAD PERFORMANCE CURVE



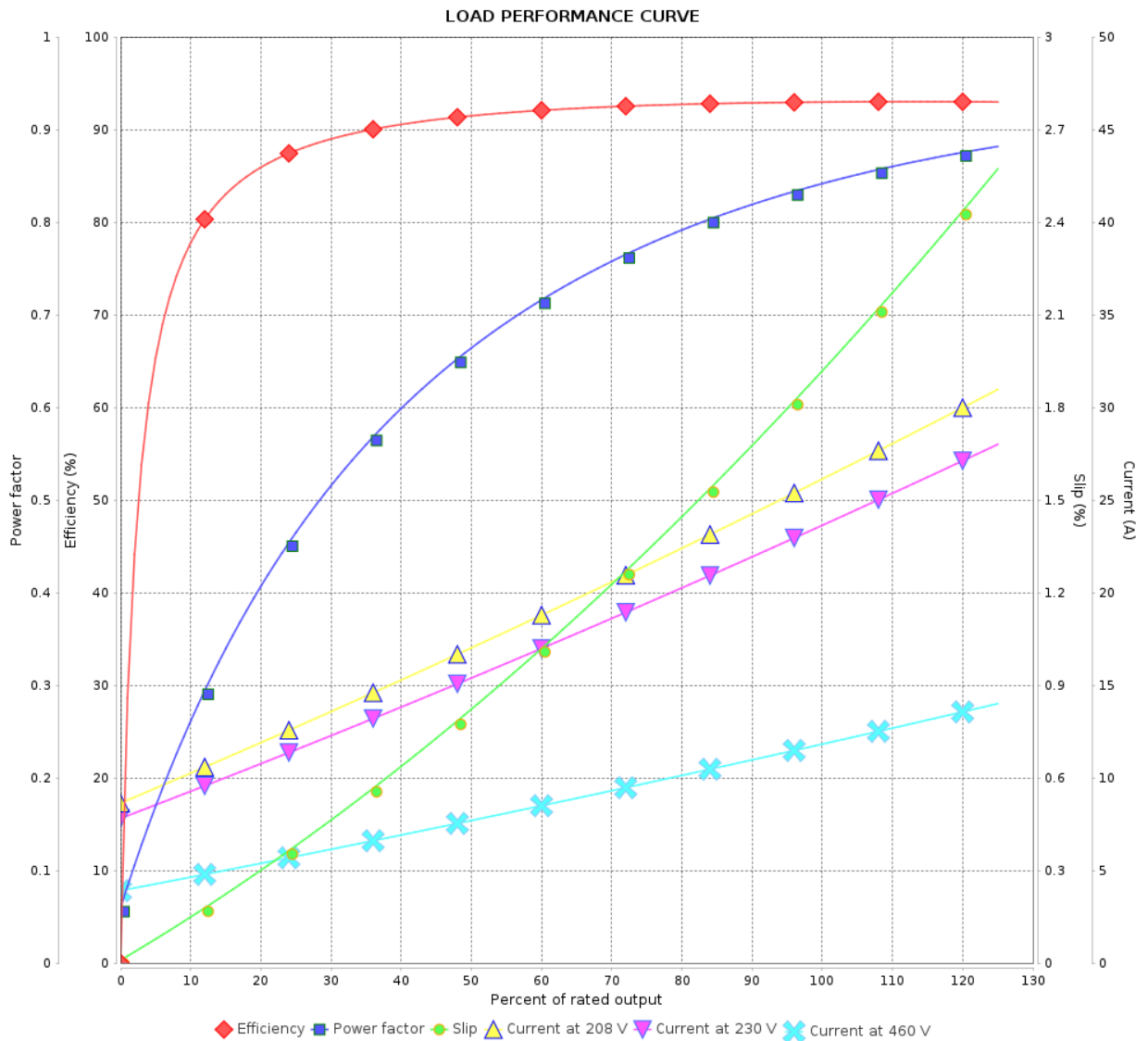
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THERMAL LIMIT CURVE



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Heating constant

Cooling constant

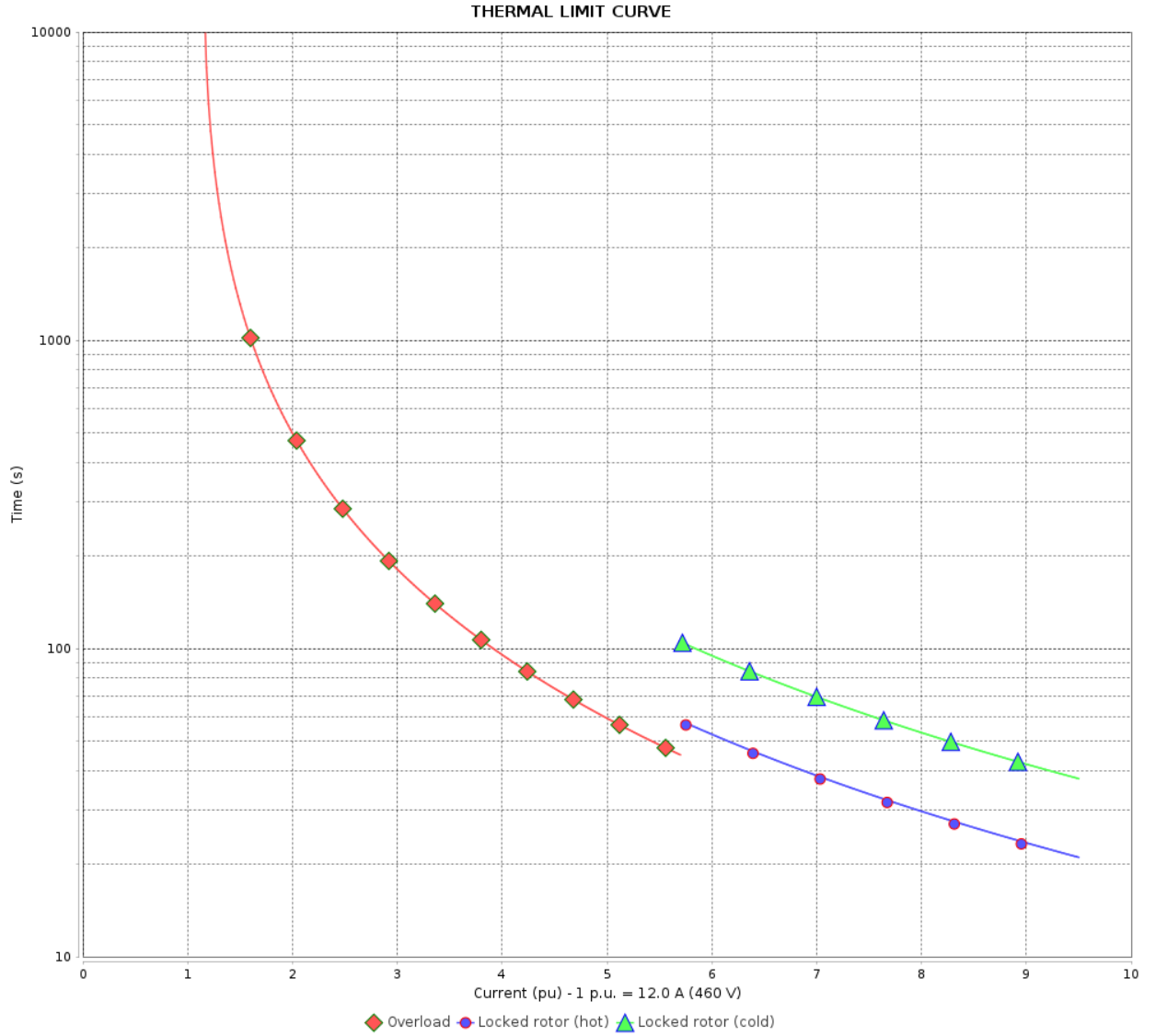
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THERMAL LIMIT CURVE

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VFD OPERATION CURVE



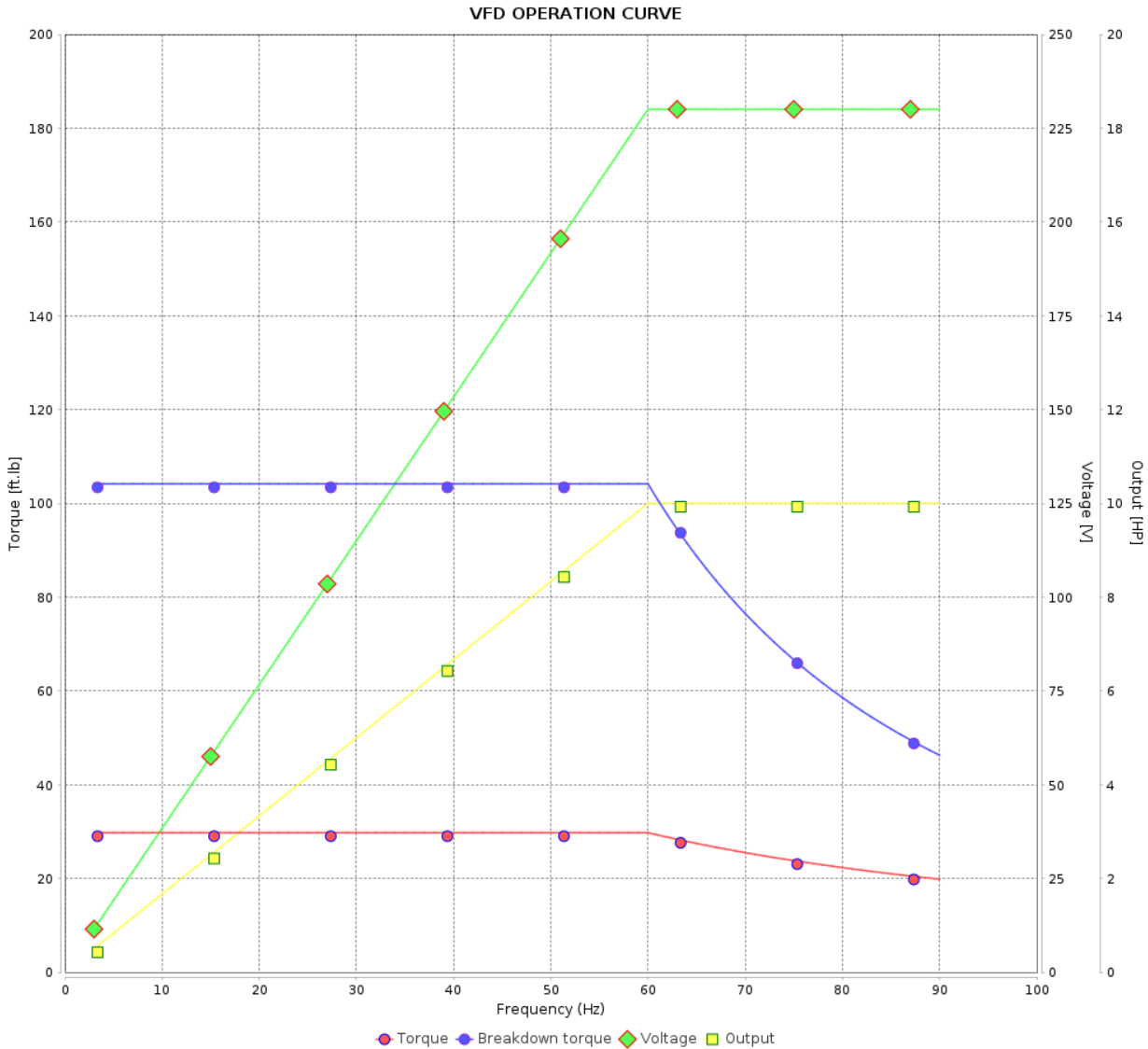
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