DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel Jet Pump - J type Standard Efficiency Three-Phase	Product code :	12659201
		Catalog # :	.7536OS3EJPR56J-S

Frame	: 56J	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: CCW
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 20.7 lb
		Moment of inertia (J)	: 0.0453 sq.ft.lb

Output [HP]		0.75	0.75	0.75
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		208-230/460	190-220/380	415
Rated current [A]		2.74-2.48/1.24	2.72-2.35/1.36	1.38
L. R. Amperes [A]		17.0-15.4/7.69	13.1-11.3/6.53	7.31
LRC [A]		6.2x(Code K)	4.8x(Code G)	5.3x(Code H)
No load current [A]		1.38-1.60/0.800	1.50-1.30/0.750	1.05
Rated speed [RPM]		3475	2830	2865
Slip [%]		3.47	5.67	4.50
Rated torque [ft.lb]		1.13	1.39	1.37
Locked rotor torque [%]		210	160	200
Breakdown torque [%]		260	200	240
Service factor			1.20	1.20
Temperature rise		80 K	80 K	80 K
Locked rotor time		48s (cold) 27s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level²		62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
Efficiency (%)	25%	62.4	66.4	59.4
	50%	64.0	67.6	62.1
	75%	68.5	69.4	66.6
	100%	70.0	70.3	69.8
Power Factor	25%	0.33	0.39	0.30
	50%	0.57	0.66	0.54
	75%	0.70	0.80	0.69
	100%	0.79	0.87	0.79

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads
Max. traction : 22 lb
Max. compression : 42 lb

Notes
USABLE @208V SF 1.30

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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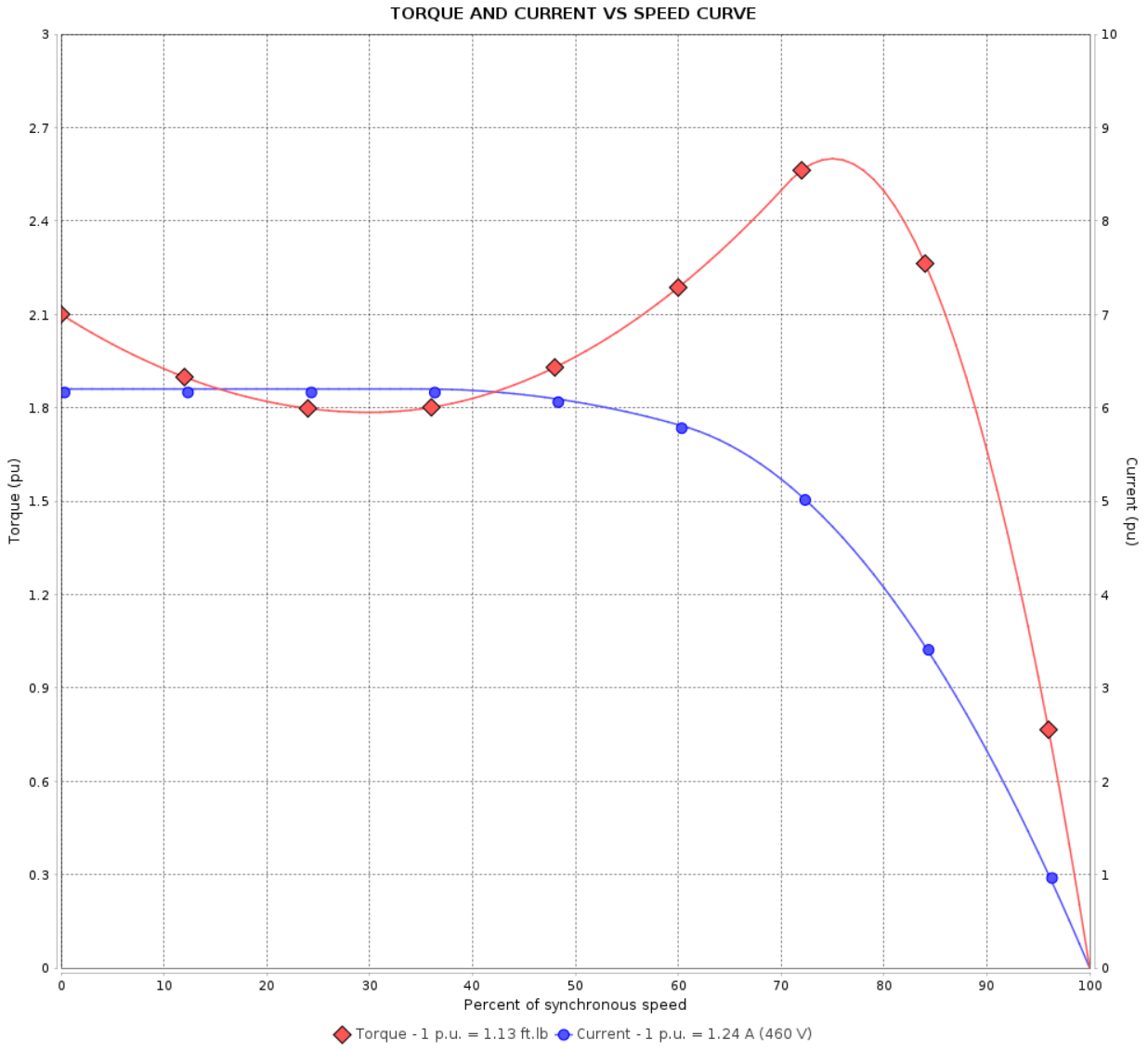
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel Jet Pump - J type Standard Efficiency Three-Phase	Product code :	12659201
		Catalog # :	.7536OS3EJPR56J-S



Performance	: 208-230/460 V 60 Hz 2P		
Rated current	: 2.74-2.48/1.24 A	Moment of inertia (J)	: 0.0453 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 1.13 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	:
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3475 rpm		
Locked rotor time	: 48s (cold) 27s (hot)		

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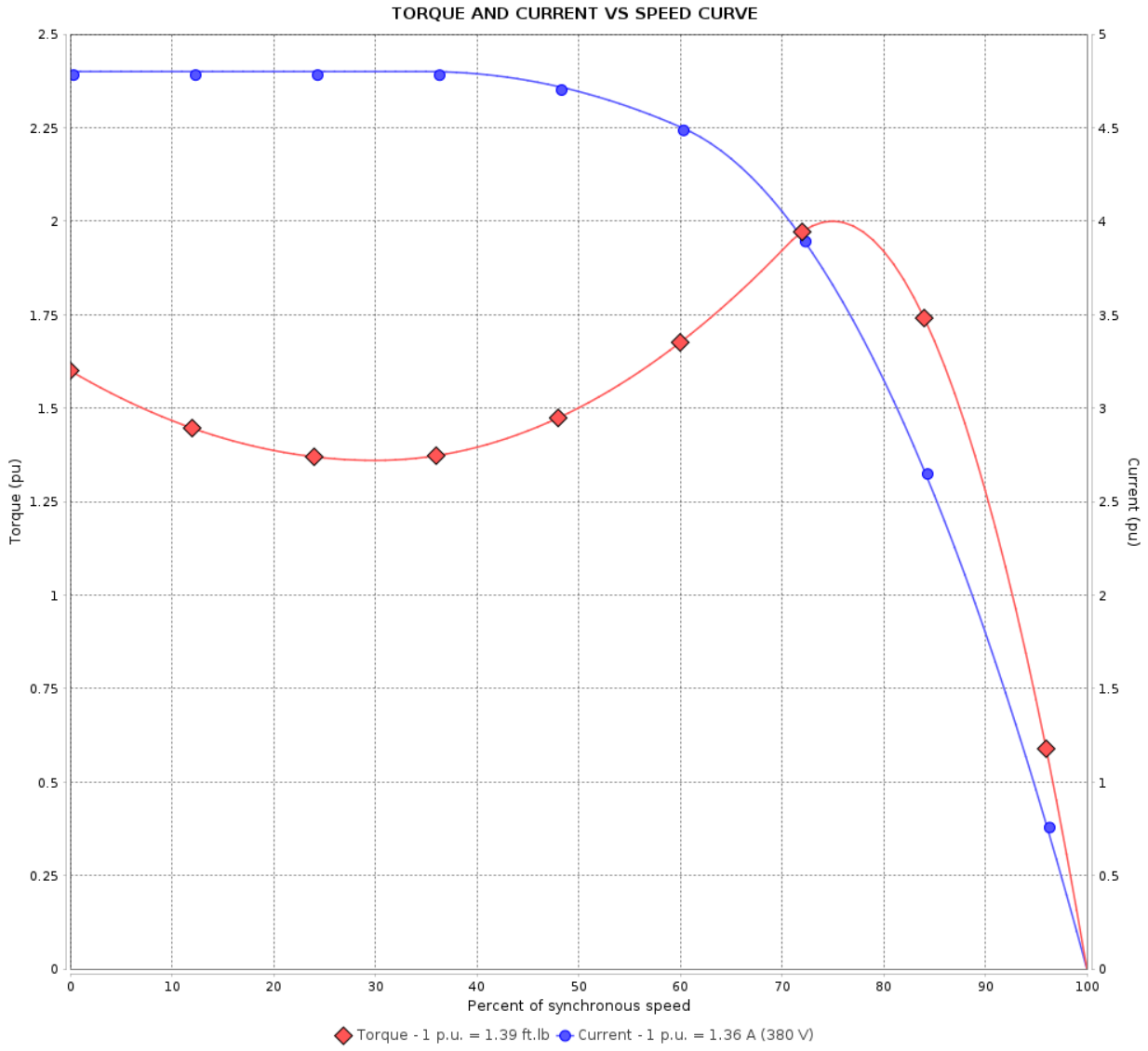

Performance	: 190-220/380 V 50 Hz 2P

Rated current	: 2.72-2.35/1.36 A	Moment of inertia (J)	: 0.0453 sq.ft.lb
LRC	: 4.8	Duty cycle	: Cont.(S1)
Rated torque	: 1.39 ft.lb	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.20
Breakdown torque	: 200 %	Temperature rise	: 80 K
Rated speed	: 2830 rpm		

Locked rotor time : 0s (cold) 0s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

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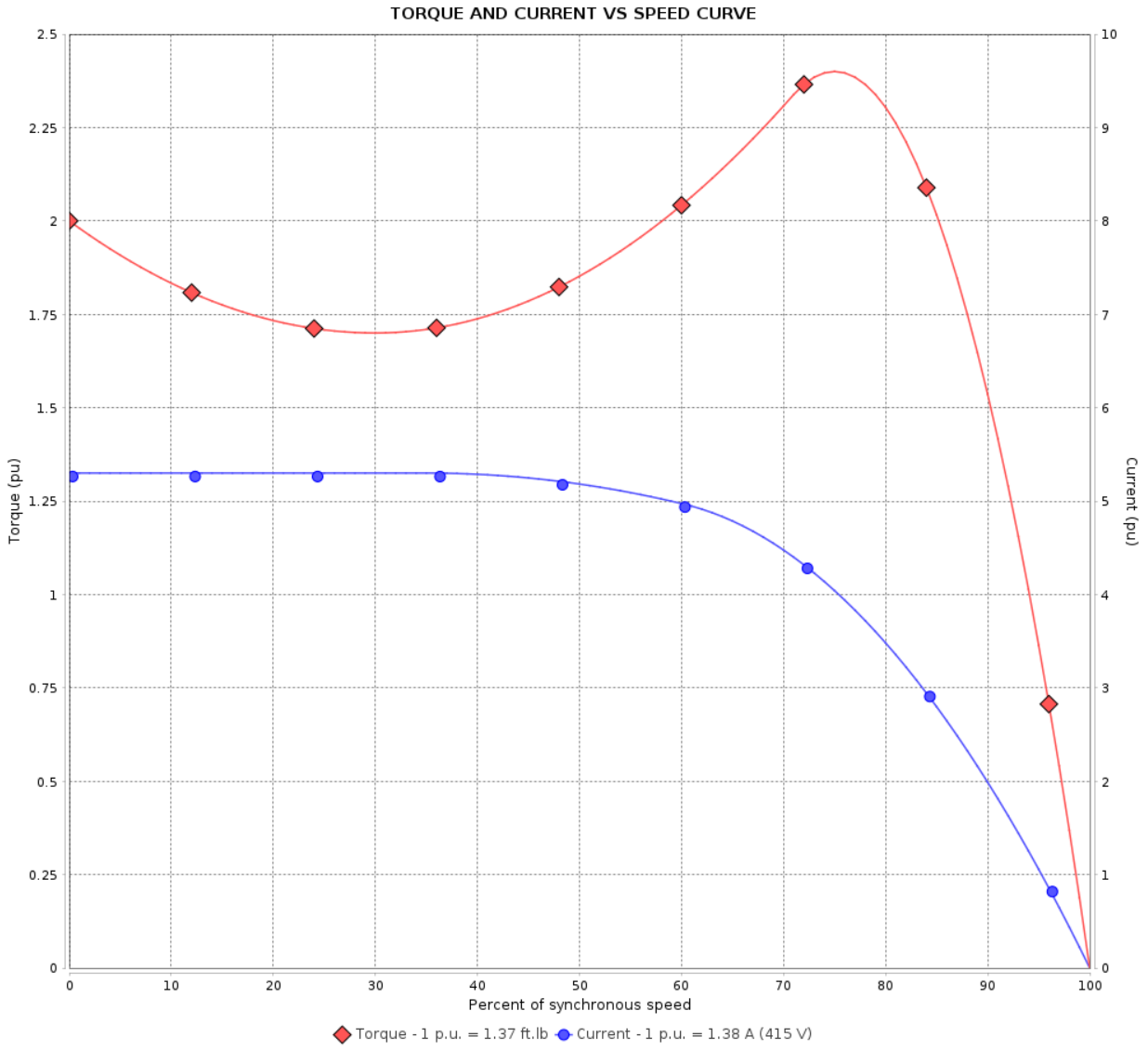

Performance	: 415 V 50 Hz 2P		
Rated current	: 1.38 A	Moment of inertia (J)	: 0.0453 sq.ft.lb
LRC	: 5.3	Duty cycle	: Cont.(S1)
Rated torque	: 1.37 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.20
Breakdown torque	: 240 %	Temperature rise	: 80 K
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Locked rotor time	: 0s (cold) 0s (hot)		

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LOAD PERFORMANCE CURVE

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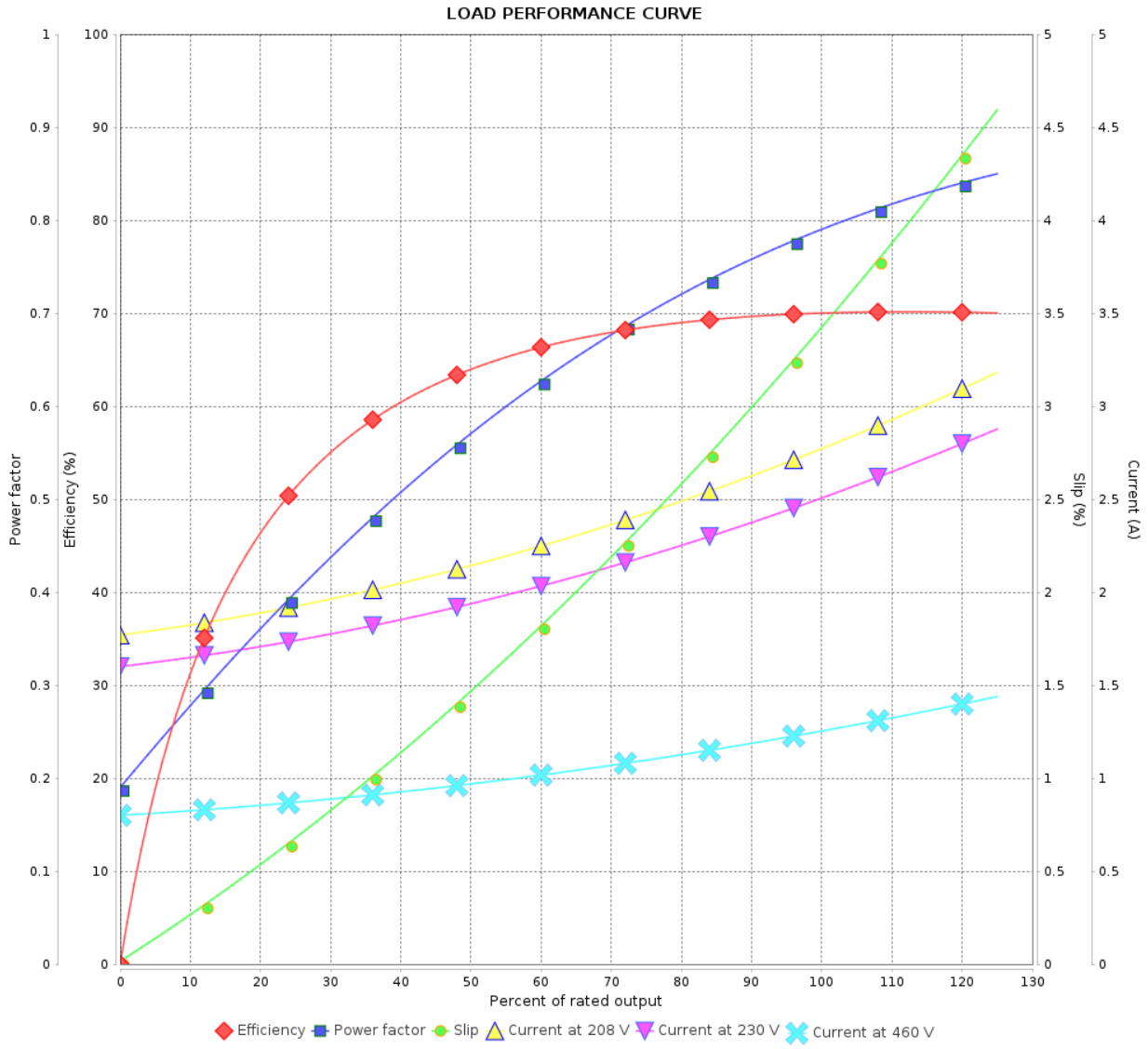

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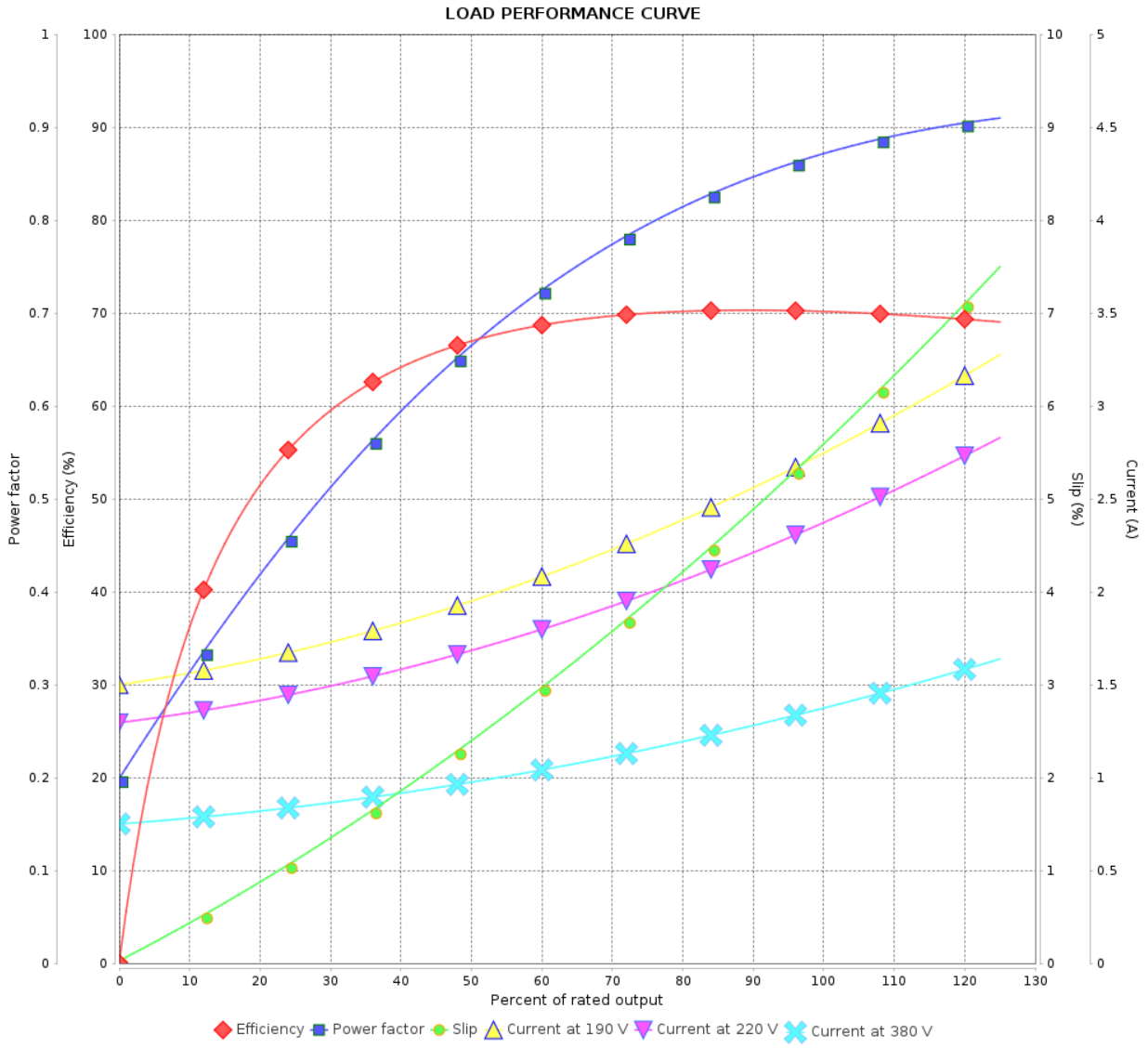

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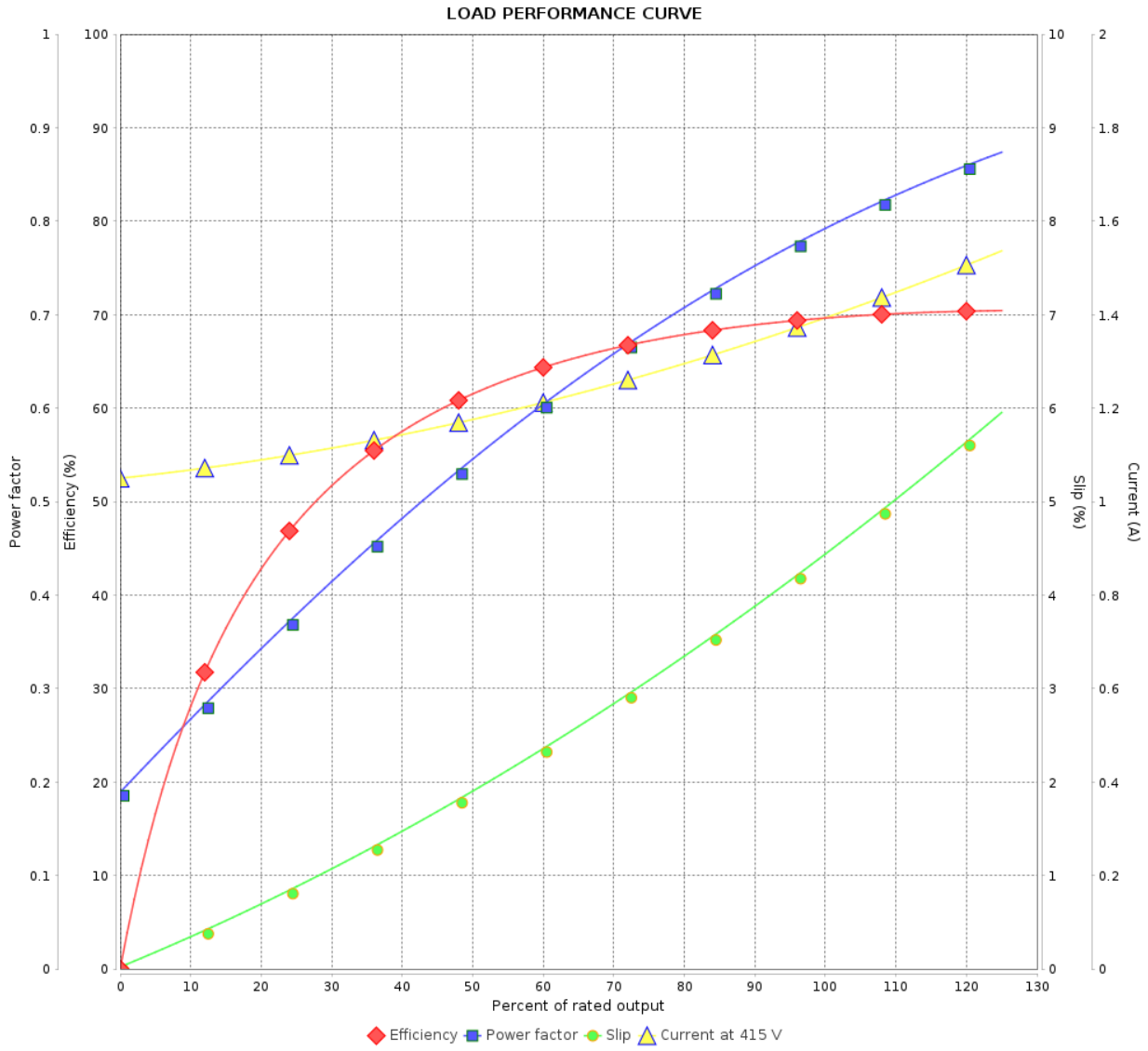

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THERMAL LIMIT CURVE

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LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 1.13 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	:
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3475 rpm		

Heating constant	
Cooling constant	

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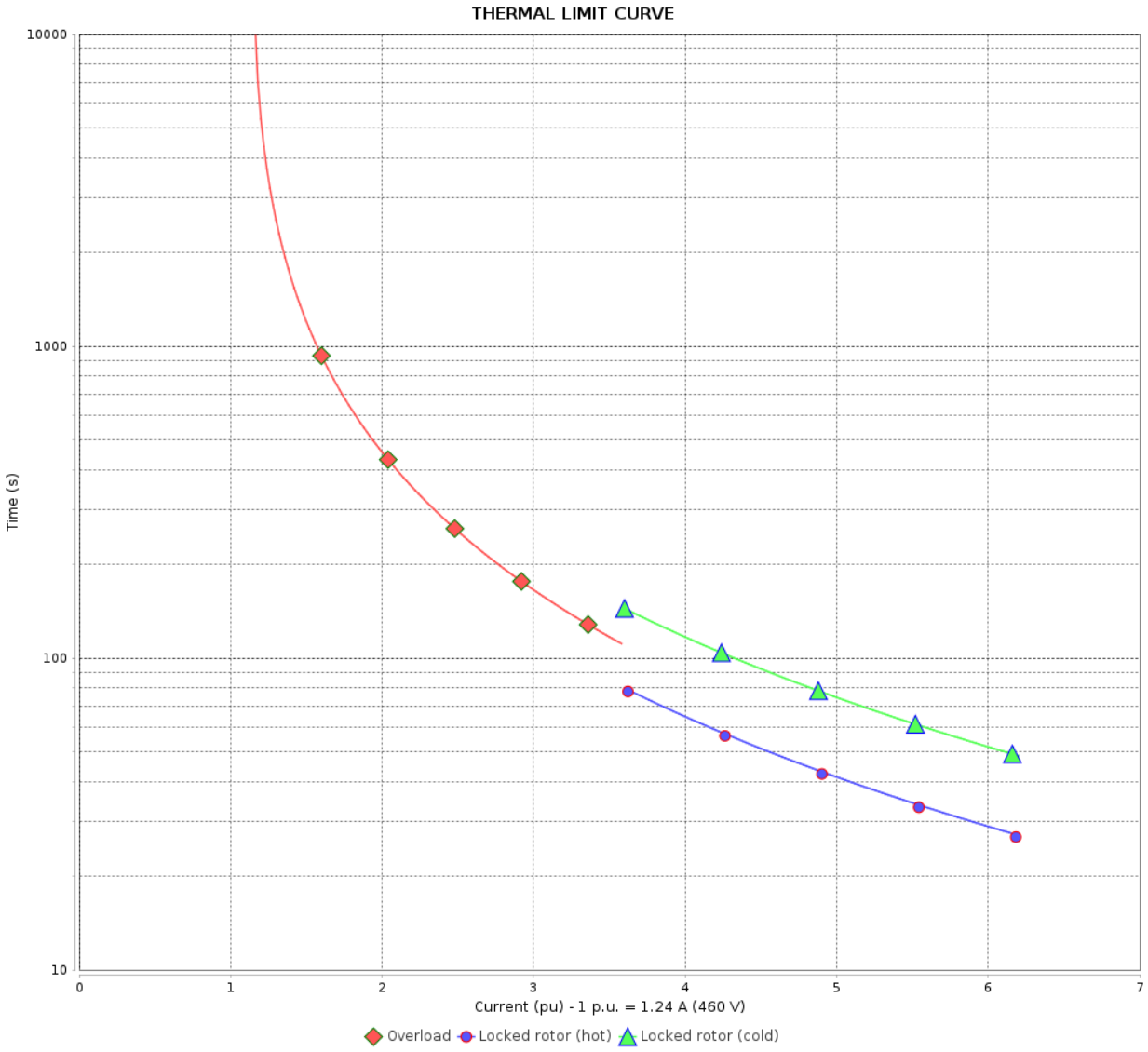

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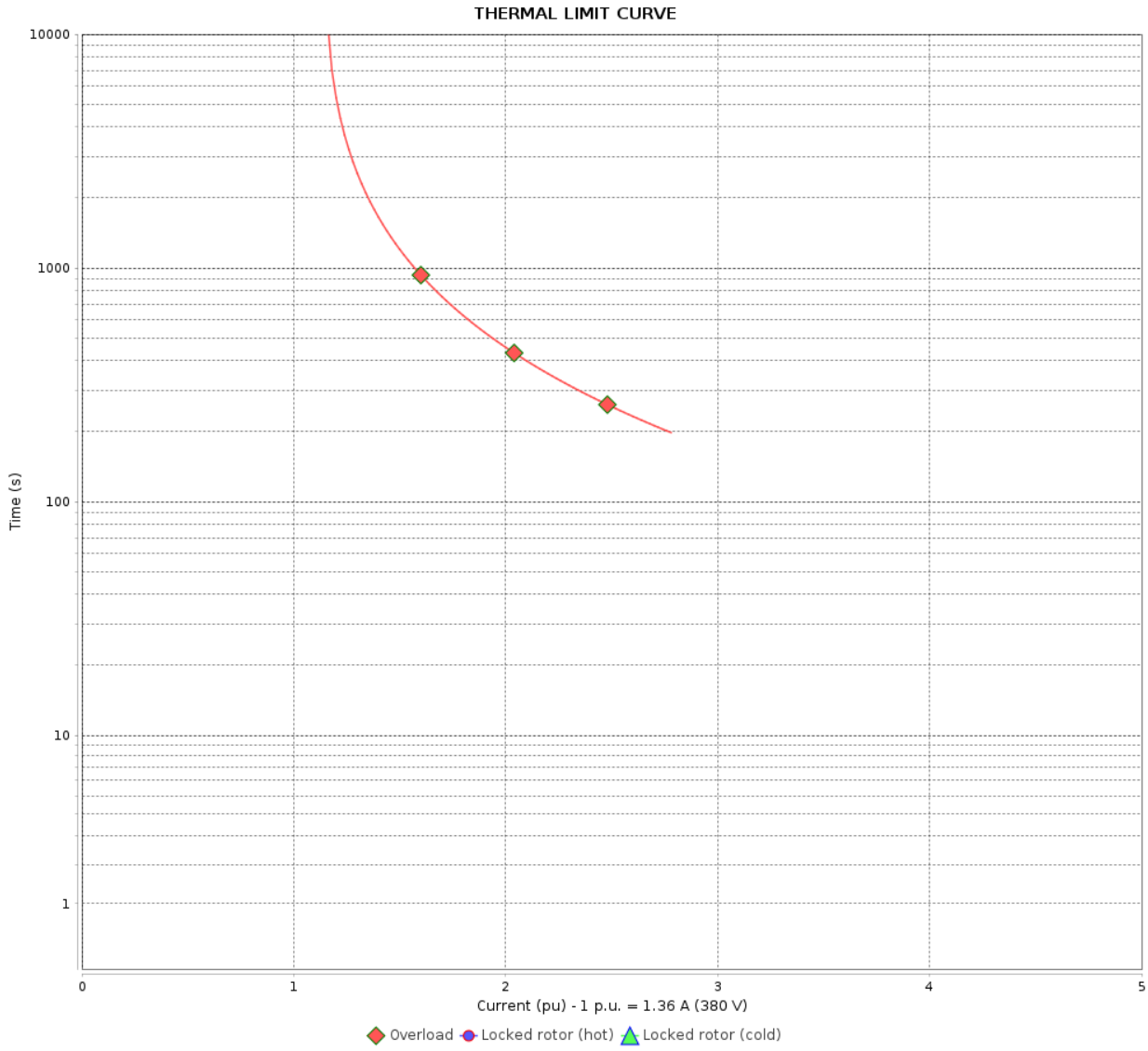

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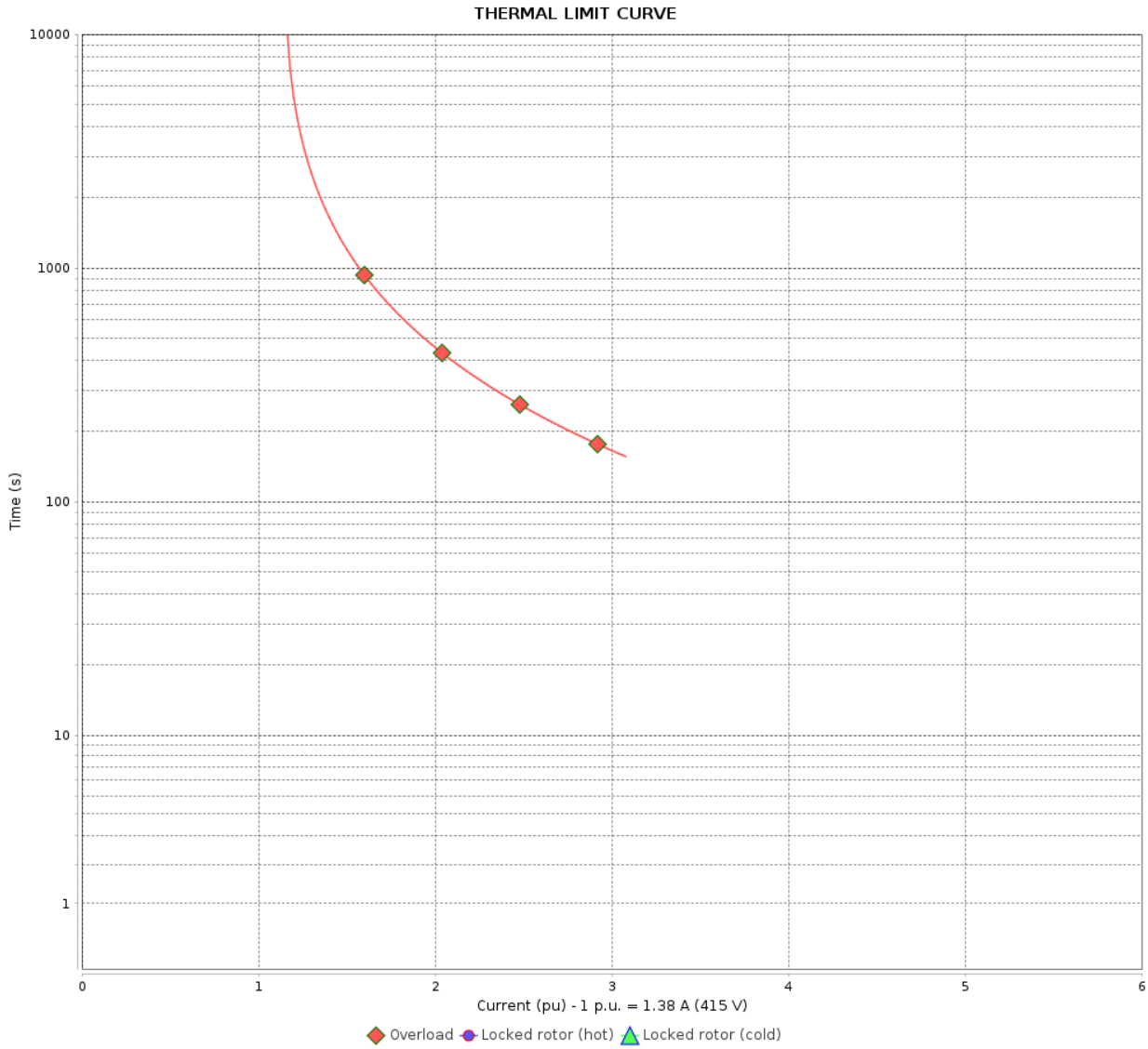

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VFD OPERATION CURVE

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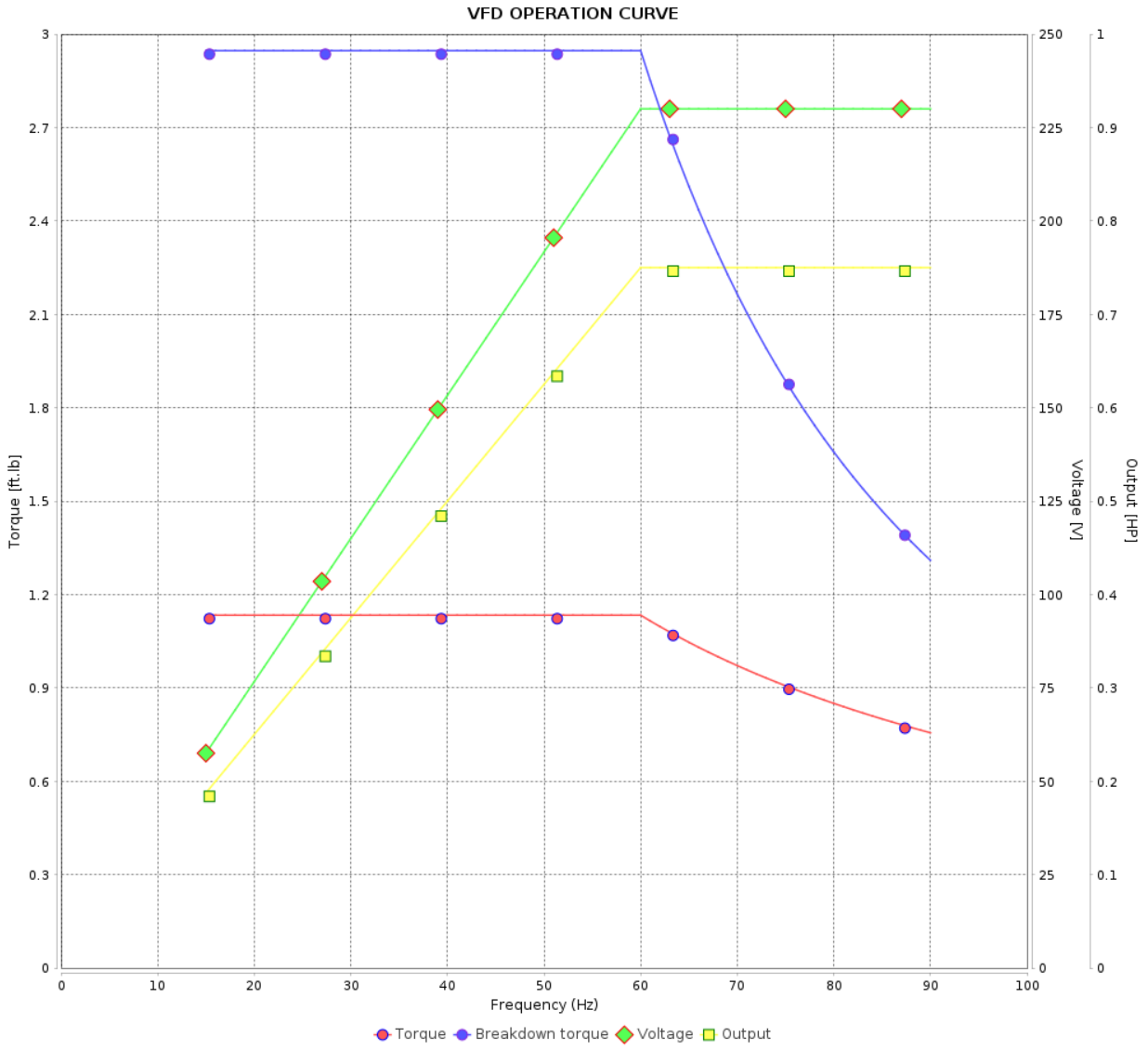

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LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 1.13 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	:
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3475 rpm		

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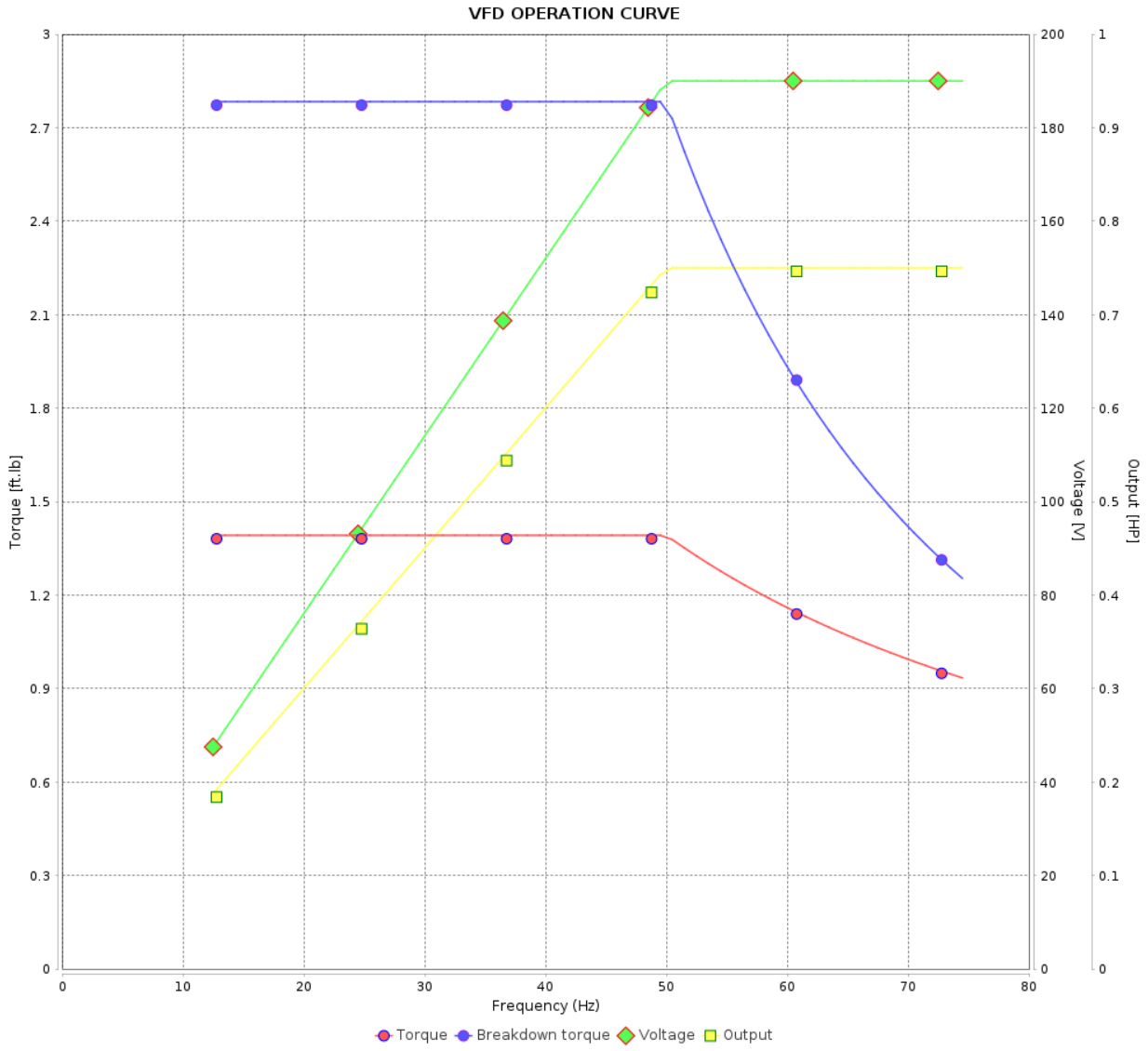

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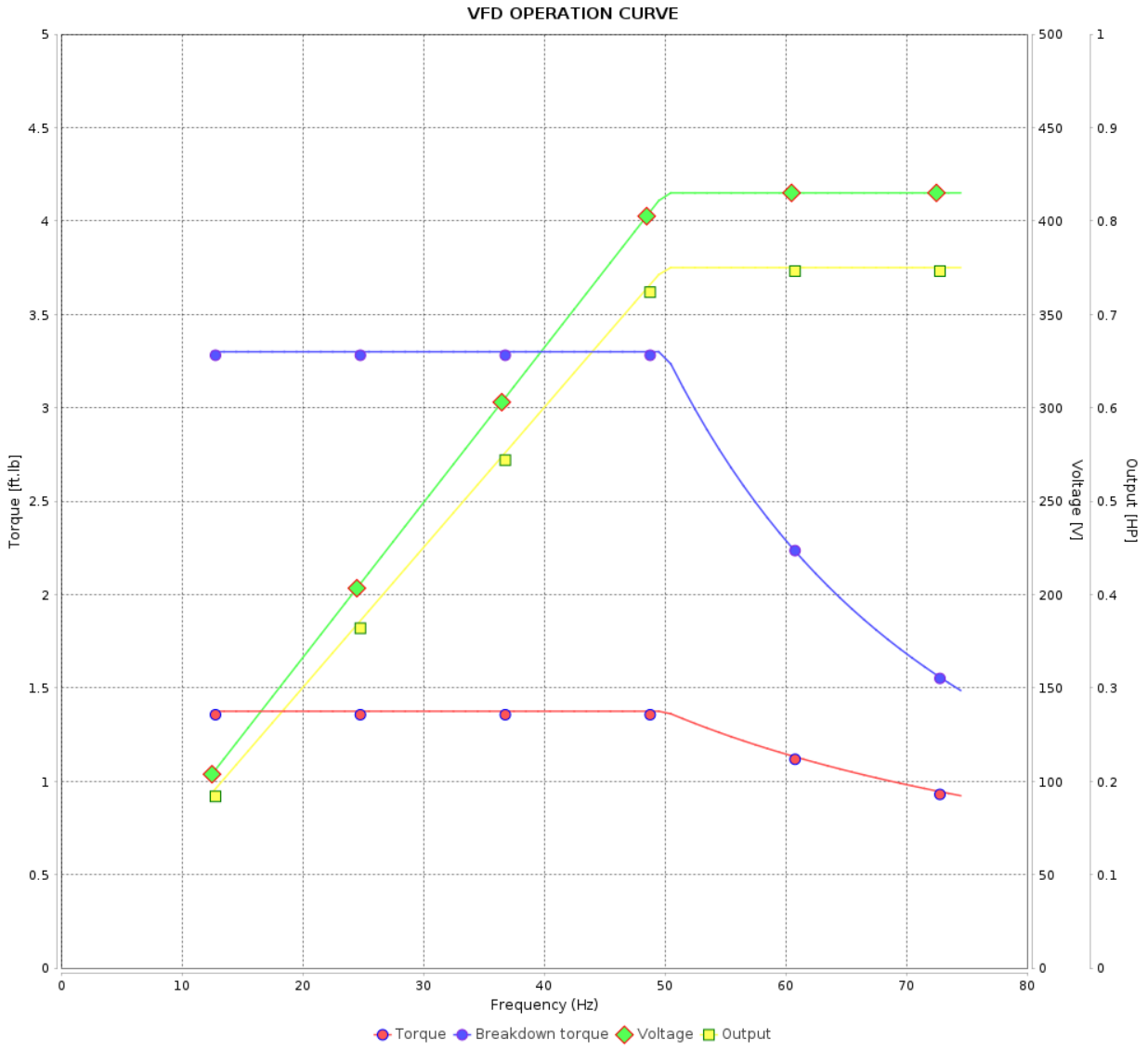

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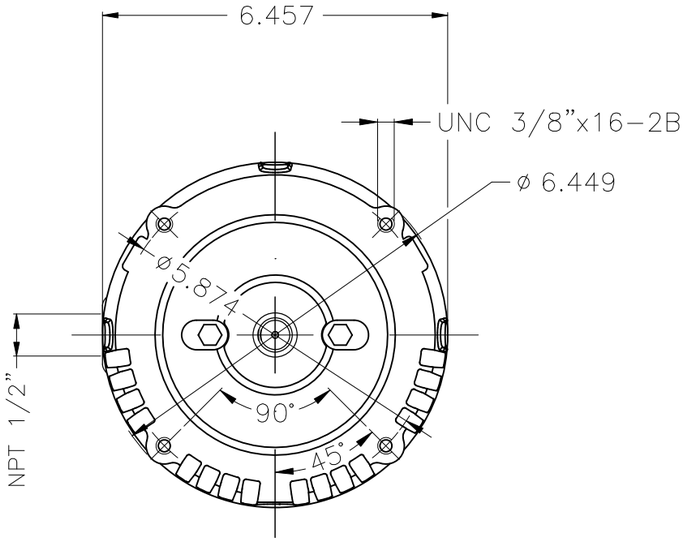
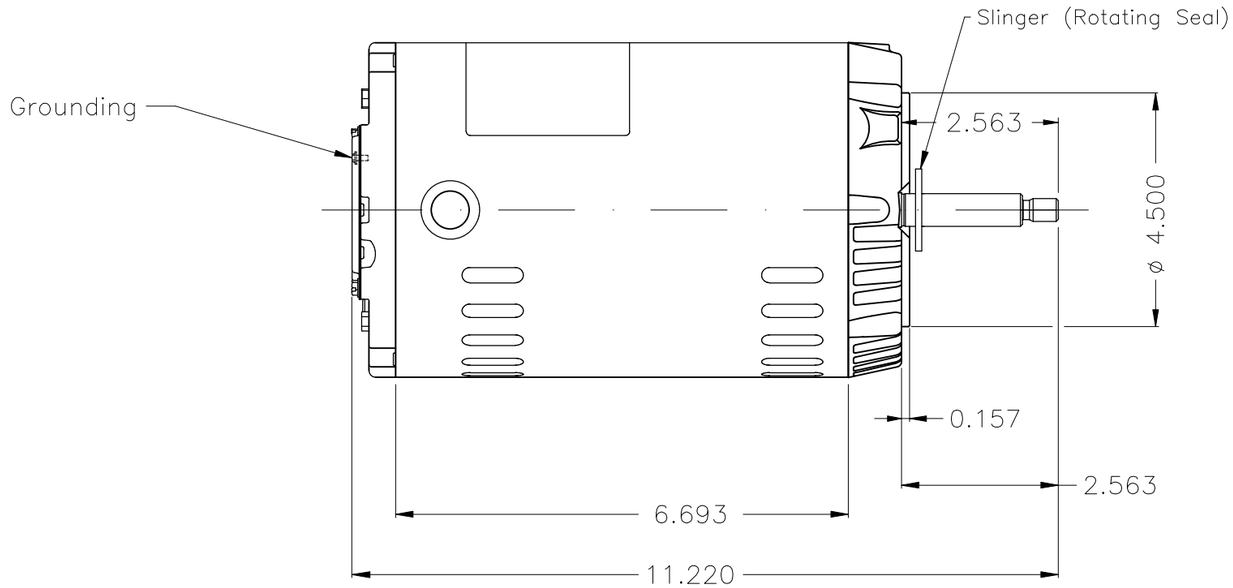
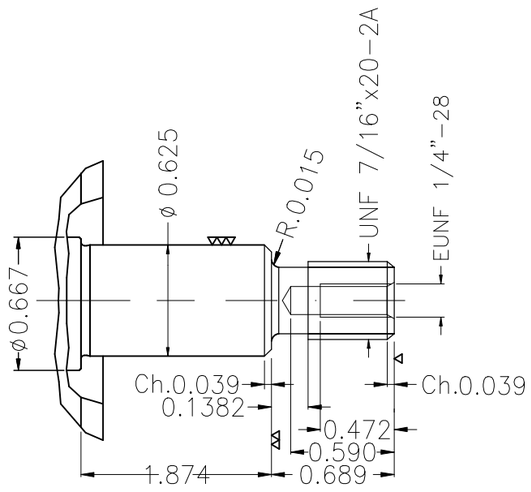






Counterclockwise rotation							
Without coating							
Mounting F-1/B14R(D)							
			HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED	PREVIEW	
CHECKED		FRAME 56J IP21 ODP	WDD	00
RELEASED				
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET	1 / 1

0.75 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

3PT9

MADE IN MÉXICO

MAT: 12659201

W01.TO0IC0X0X

MODEL .7536OS3EJPR56J-S

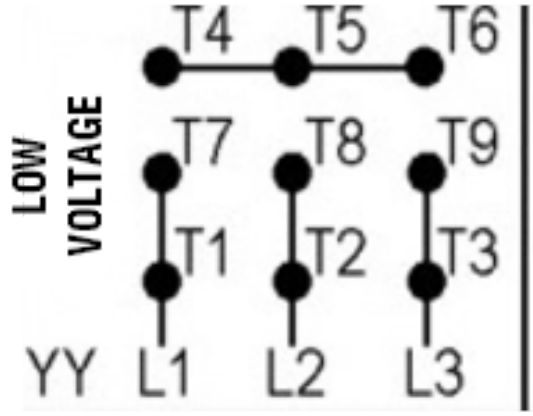
17SEP2024 B/N: 3536470

PH 3	Hz 60	HP	0.75
FR 56J		kW	0.55
DUTY CONT.		V	230/460
ALT 1000 m.a.s.l		A	2.48/1.24
INS CL F ΔT 80K		SFA	3.72/1.86
AMB 40°C	DES -	SF	1.50
ENCL ODP	CODE K	PF	0.79
USABLE @208V 2.74A SF 1.30 SFA 3.56		RPM	3475
		NEMA NOM. EFF	70.0%

ALTERNATE RATING: 0.75HP 50Hz 190-220/380-415V SF1.20
2.72-2.60/1.36-1.38A 2830RPM EFF 69.8% (IE1) IEC 60034-1

Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 4:1 CT

DE 6203-2RS	ODE 6202-2RS	MOBIL POLYREX EM	



T1-BLU T2-WHT
T3-ORG T4-YEL
T5-BLK T6-GRY
T7-PNK T8-RED
T9-RED BRK

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.