



# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



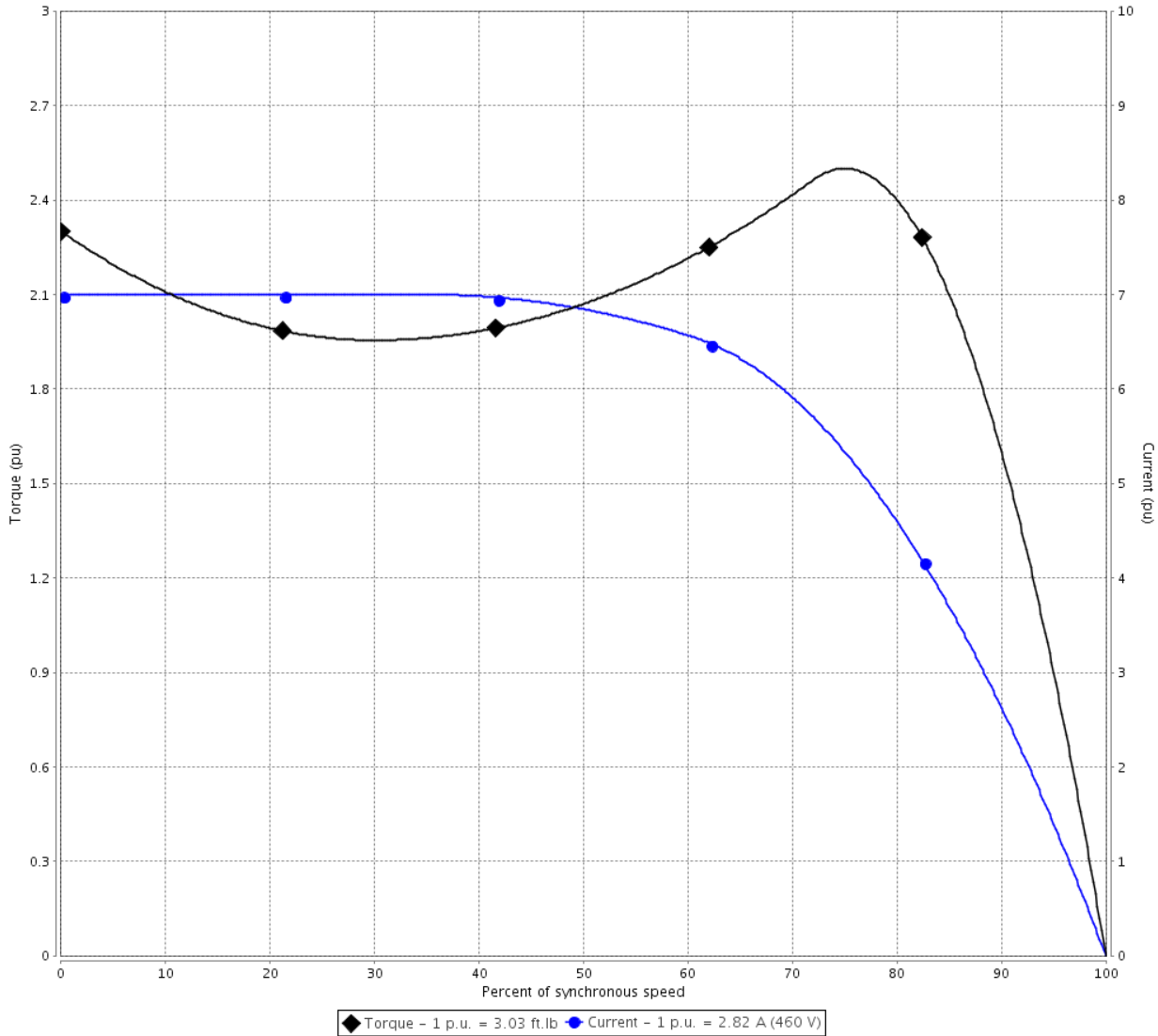
Customer :

Product line : Rolled Steel Jet Pump - J type  
Standard Efficiency Three-Phase

Product code : 12658480

Catalog # : 00236OS3EJPR56J-S

TORQUE AND CURRENT VS SPEED CURVE



Performance : 230/460 V 60 Hz 2P

Rated current : 5.64/2.82 A  
LRC : 7.0  
Rated torque : 3.03 ft.lb  
Locked rotor torque : 229 %  
Breakdown torque : 250 %  
Rated speed : 3470 rpm

Moment of inertia (J) : 0.0774 sq.ft.lb  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor :  
Temperature rise : 80 K  
Design : A

Locked rotor time : 18s (cold) 10s (hot)

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

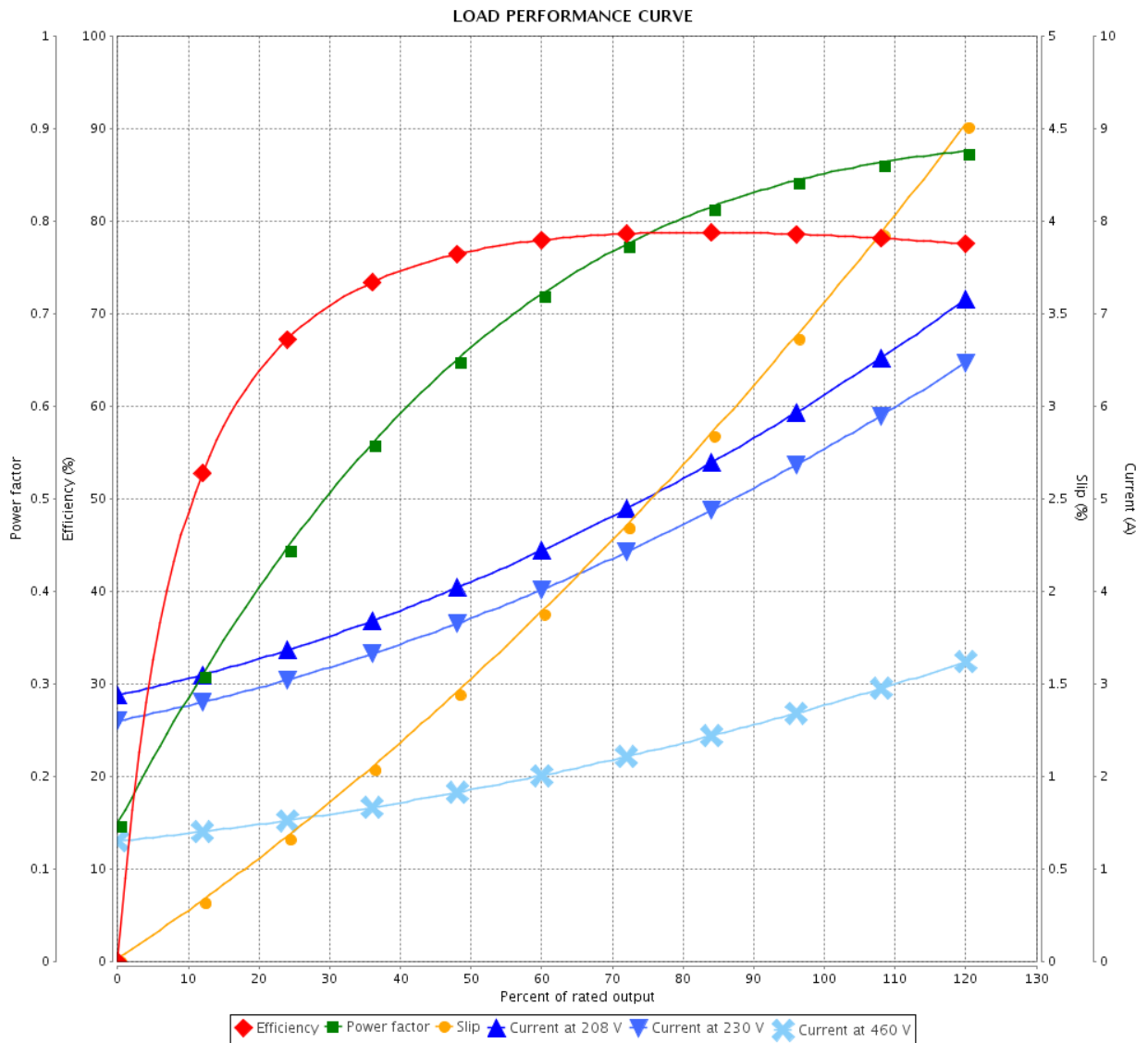


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# THERMAL LIMIT CURVE



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Service factor :  
Temperature rise : 80 K  
Design : A

Heating constant

Cooling constant

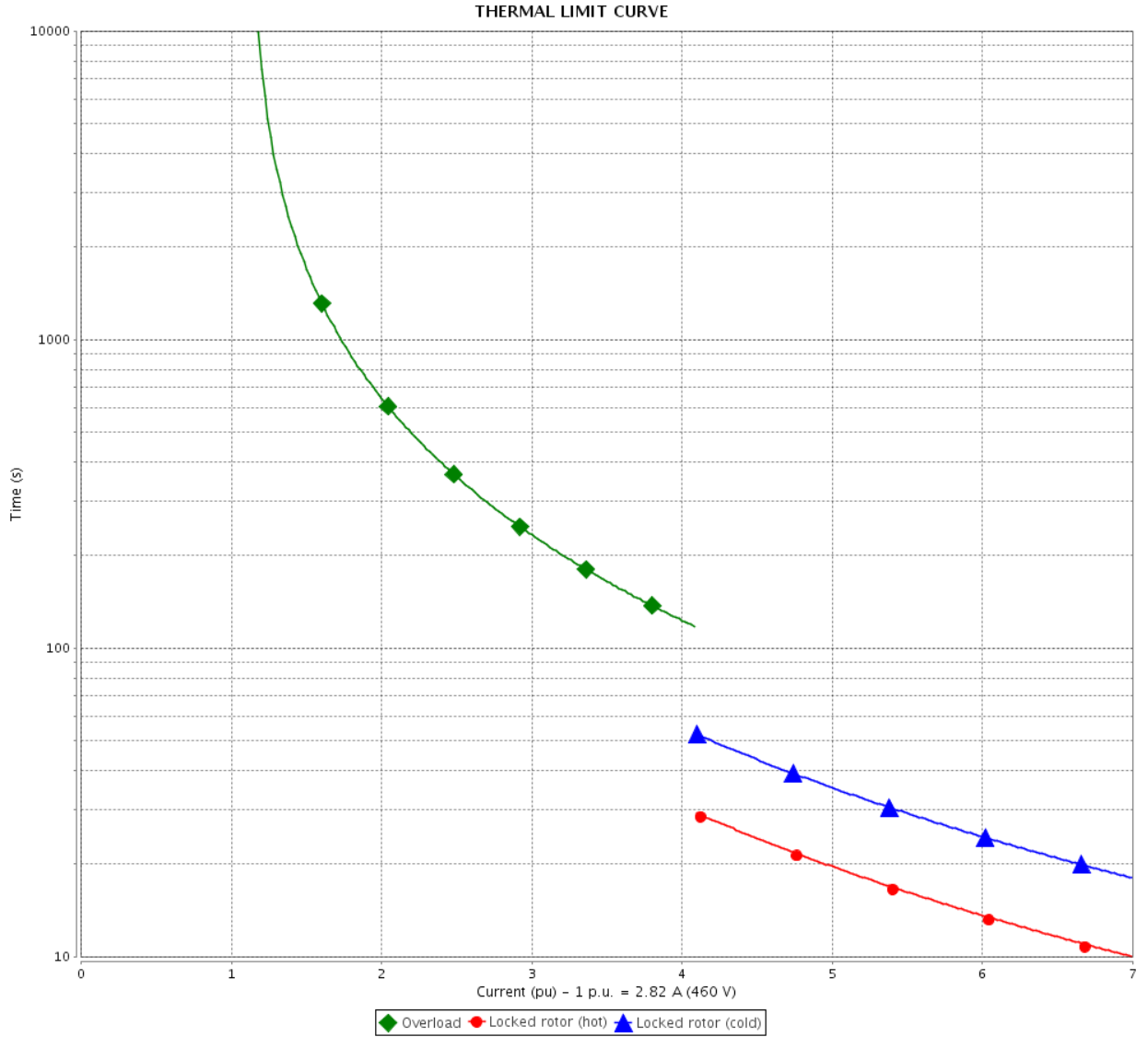
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# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

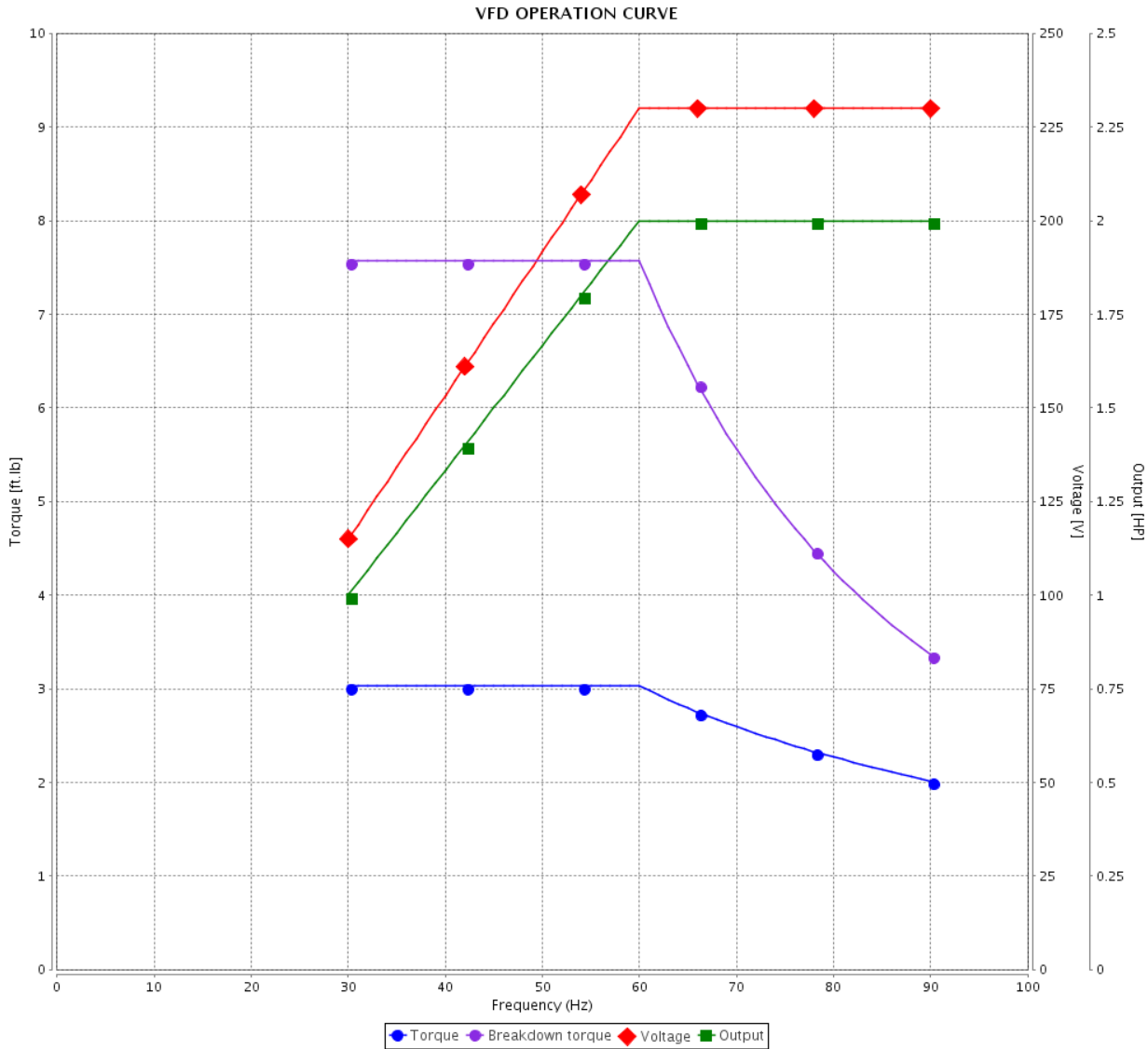


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Product line : Rolled Steel Jet Pump - J type  
Standard Efficiency Three-Phase

Product code : 12658480

Catalog # : 00236OS3EJPR56J-S



Performance : 230/460 V 60 Hz 2P

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LRC : 7.0  
Rated torque : 3.03 ft.lb  
Locked rotor torque : 229 %  
Breakdown torque : 250 %  
Rated speed : 3470 rpm

Moment of inertia (J) : 0.0774 sq.ft.lb  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor :  
Temperature rise : 80 K  
Design : A

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MADE IN MEXICO

MAT: 12658480

W01.T00IC0X0X

MODEL 002360S3EJPR56J-S  
13ABR2020



PH 3 FR 56J HP(KW) 2.0(1.5) Hz 60

V 230/460 RPM 3470

A 5.64/2.82 DUTY CONT.

SFA 6.77/3.38 CODE J DES A

SF 1.20 INS CL F AT 80K AMB 40°C ENCL ODP

PF 0.85 NEMA NOM.EFF. 78.5%

ALT 1000 m.a.s.l. USABLE @ 208V 6.24A SF1.00

ALTERNATE RATING: 1.5HP 50Hz 190-220/380-415V SF1.40

4.82-4.66/2.41-2.47A 2885RPM EFF 79.1% (IE1) IEC 60034-1



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

Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 2:1 CT

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

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.

