



# TORQUE AND CURRENT VS SPEED CURVE

## Three Phase Induction Motor - Squirrel Cage



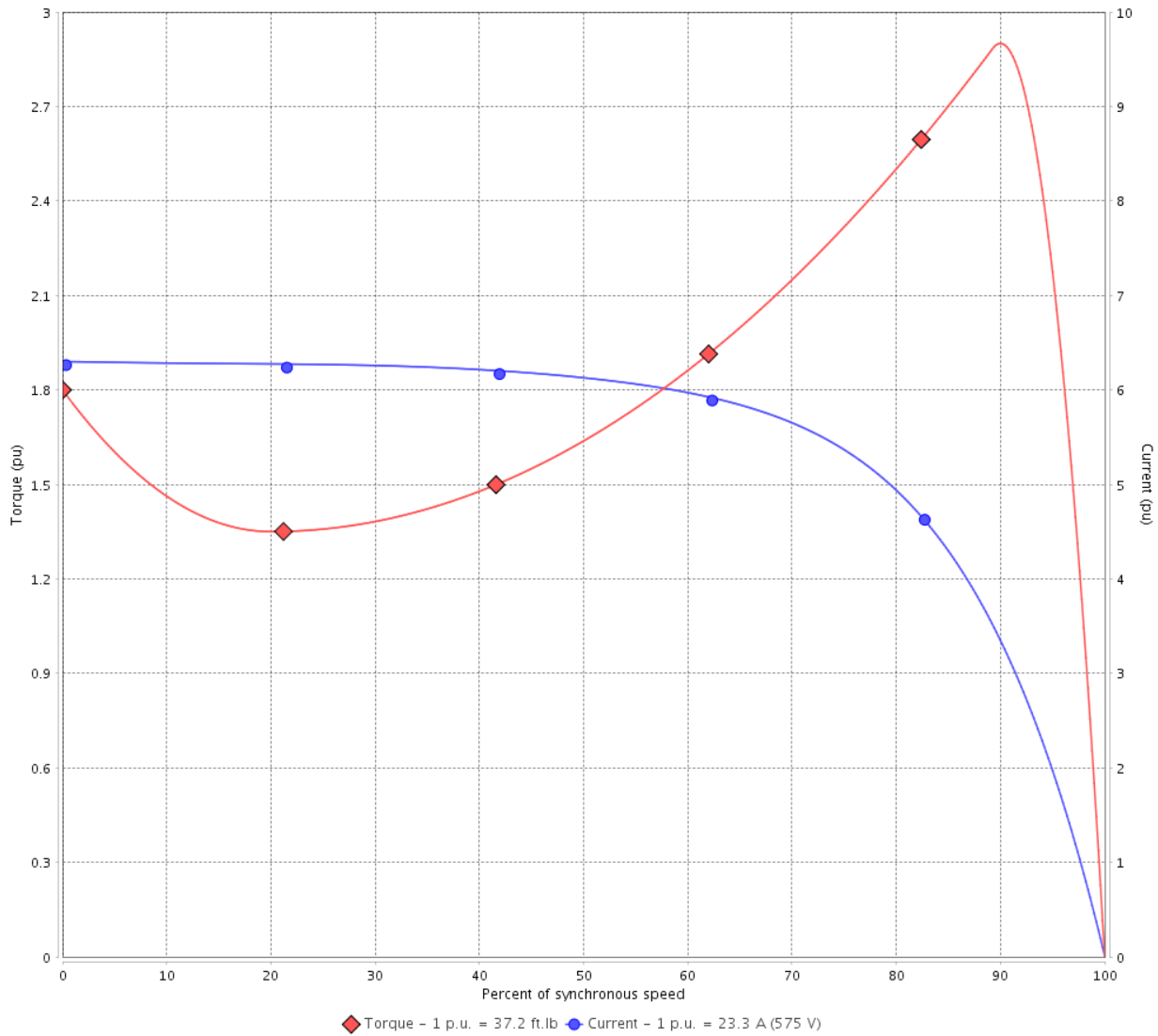
Customer :

Product line : JM Pump NEMA Premium Efficiency Three-Phase

Product code : 13500641

Catalog # : 02536OT3H256JMV-S

TORQUE AND CURRENT VS SPEED CURVE



Performance : 575 V 60 Hz 2P

Rated current	: 23.3 A	Moment of inertia (J)	: 0.9155 sq.ft.lb
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 37.2 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: B

Locked rotor time : 16s (cold) 9s (hot)

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

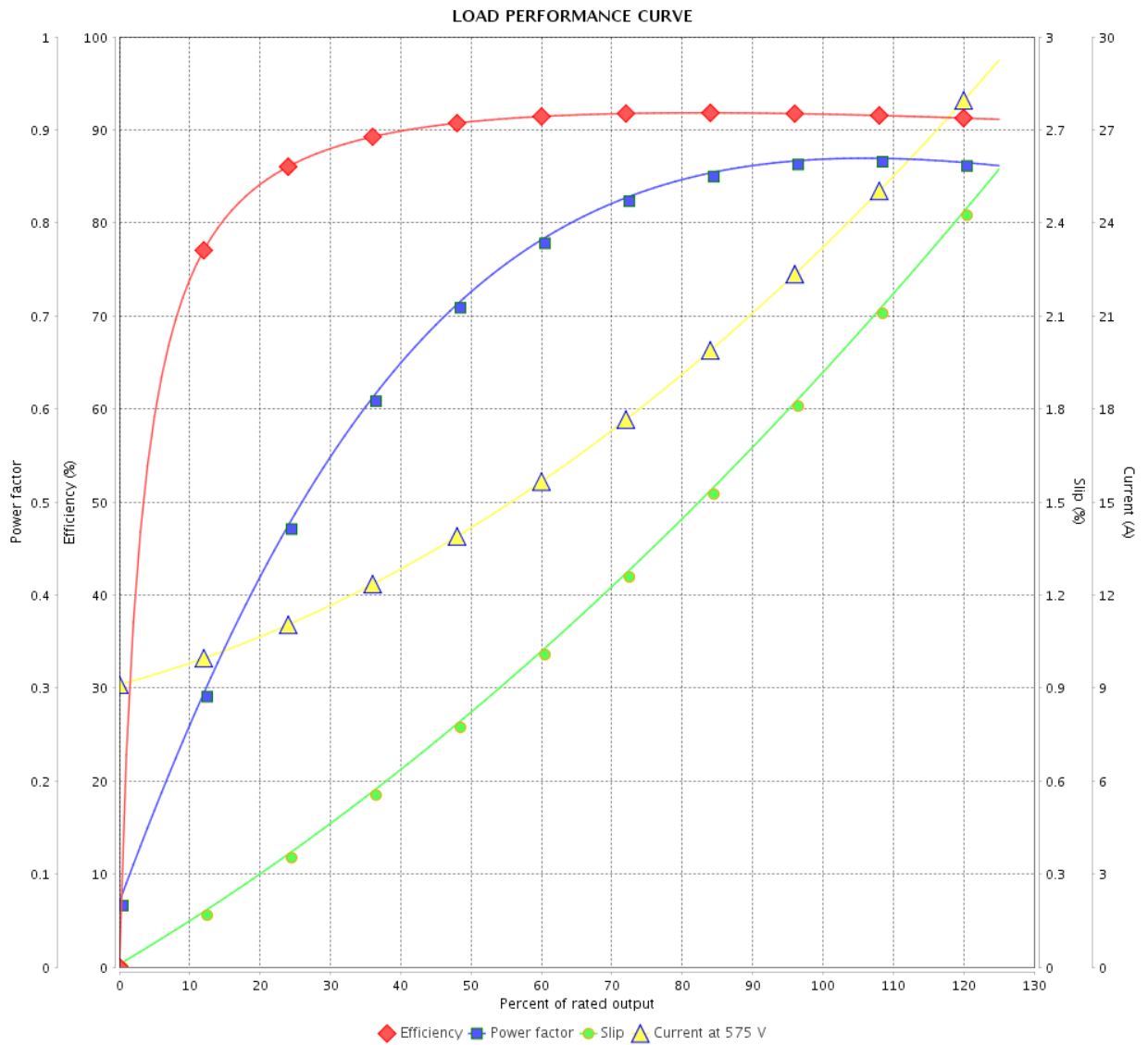


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 Design : B

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# THERMAL LIMIT CURVE



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Temperature rise : 80 K  
Design : B

Heating constant

Cooling constant

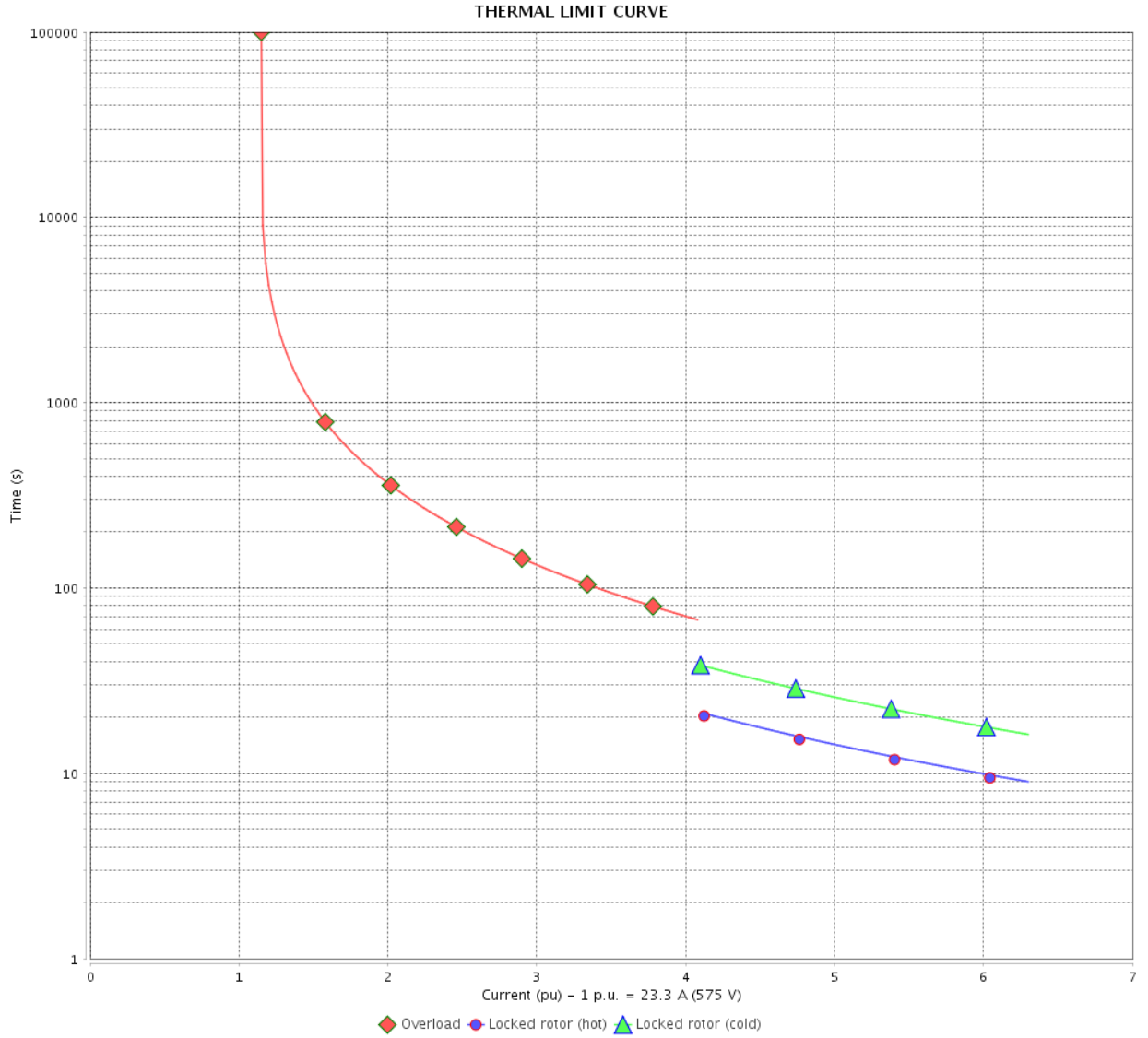
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# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



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



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# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



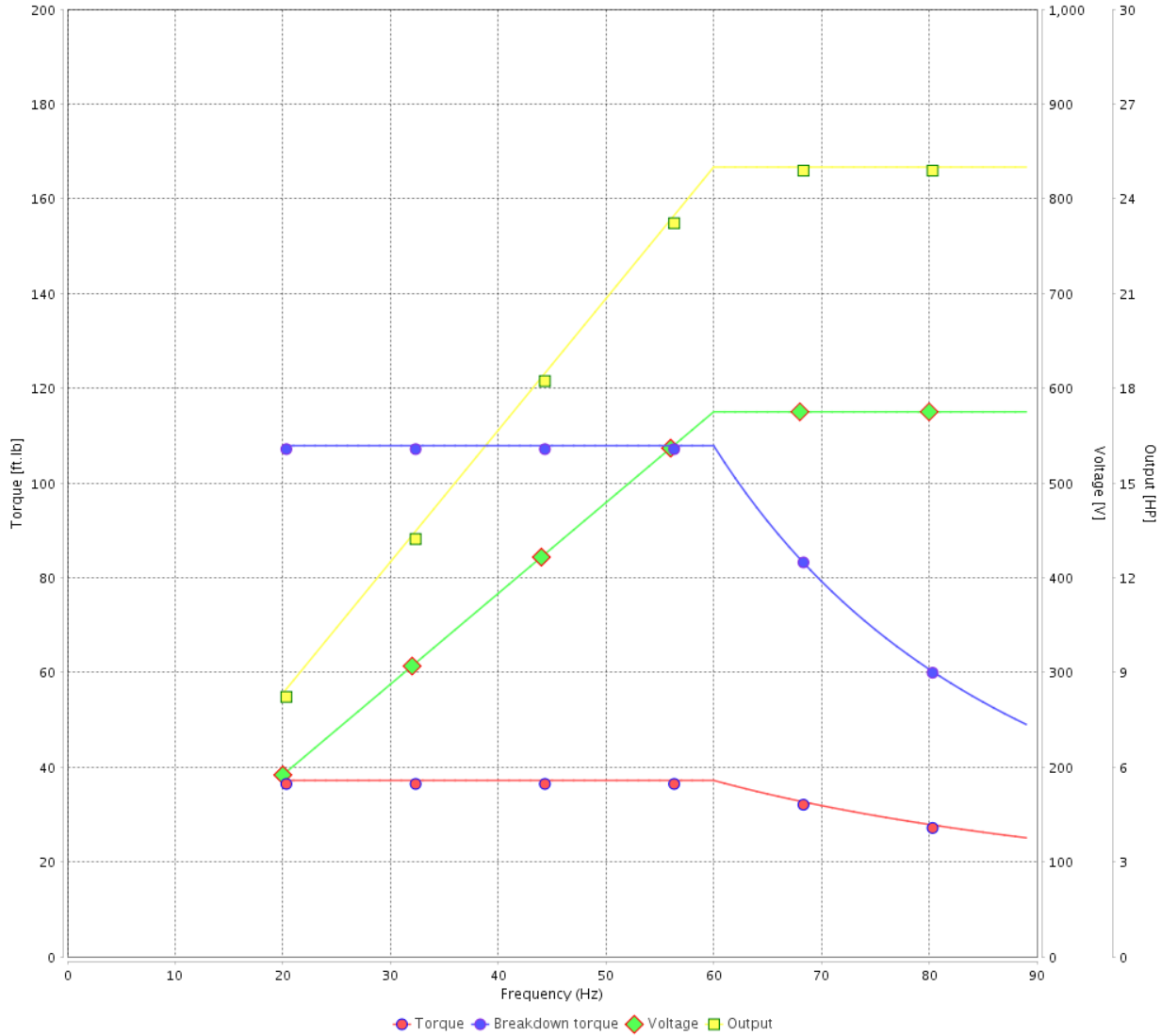
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Product code : 13500641

Catalog # : 02536OT3H256JMV-S

VFD OPERATION CURVE



Performance : 575 V 60 Hz 2P

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 LRC : 6.3  
 Rated torque : 37.2 ft.lb  
 Locked rotor torque : 180 %  
 Breakdown torque : 290 %  
 Rated speed : 3530 rpm

Moment of inertia (J) : 0.9155 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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**WEG**  
**NEMA**  
**Premium**3PT9  
C US LISTED

Energy Verified

MADE IN MEXICO

MAT: 13500641 CC029A

W01.T00IC0X0N

JM025502DPNPSW01

12MAI2020 S/N:

PH 3 FR 254/6JM |HP(kW) 25(18.5) |Hz 60

V 575

RPM 3530

A 23.3

DUTY CONT.

SFA 26.8

CODE G

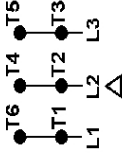
DES B

ENCL ODP

SF 1.15 |INS CL F  $\Delta$ T 80K |AMB 40°C

ALT 1000 m.a.s.l. |NEMA NOM.EFF. 91.7% |PF 0.87

ALTERNATE RATING:

T1-BLU T2-WHT  
T3-ORG T4-YEL  
T5-BLK T6-GRY

INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

Inverter duty motor For use on VPWM 1000:1 VT, 3:1 CT

DE: 6309-Z-C3 ODE: 6208-Z-C3 MOBIL POLYREX EM 15797h

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.

