DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Jet Pump - C type Standard Efficiency Three-Phase

Product code : 12676391

Catalog # : 00336OS3EJPR56C-S

Frame	: 56C	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 7.78/3.89 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 54.5/27.2 A	Mounting	: F-1
LRC	: 7.0x(Code J)	Rotation[1]	: CCW
No load current	: 3.20/1.60 A	Noise level[2]	: 62.0 dB(A)
Rated speed	: 3450 rpm	Starting method	: Direct On Line
Slip	: 4.17 %	Approx. weight[3]	: 32.1 lb
Rated torque	: 4.57 ft.lb		
Locked rotor torque	: 220 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0959 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	79.6	80.0	81.5	81.5
Power Factor	0.45	0.70	0.82	0.87

Foundation loads

Max. traction : 96 lb

Max. compression : 128 lb

		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	

Notes
USABLE @208V 8.60A SF 1.00 SFA 8.60A

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.

Rev.	Changes Summary	Performed	Checked	Date

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TORQUE AND CURRENT VS SPEED CURVE

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Product line	: Jet Pump - C type Standard Efficiency Three-Phase	Product code :	12676391
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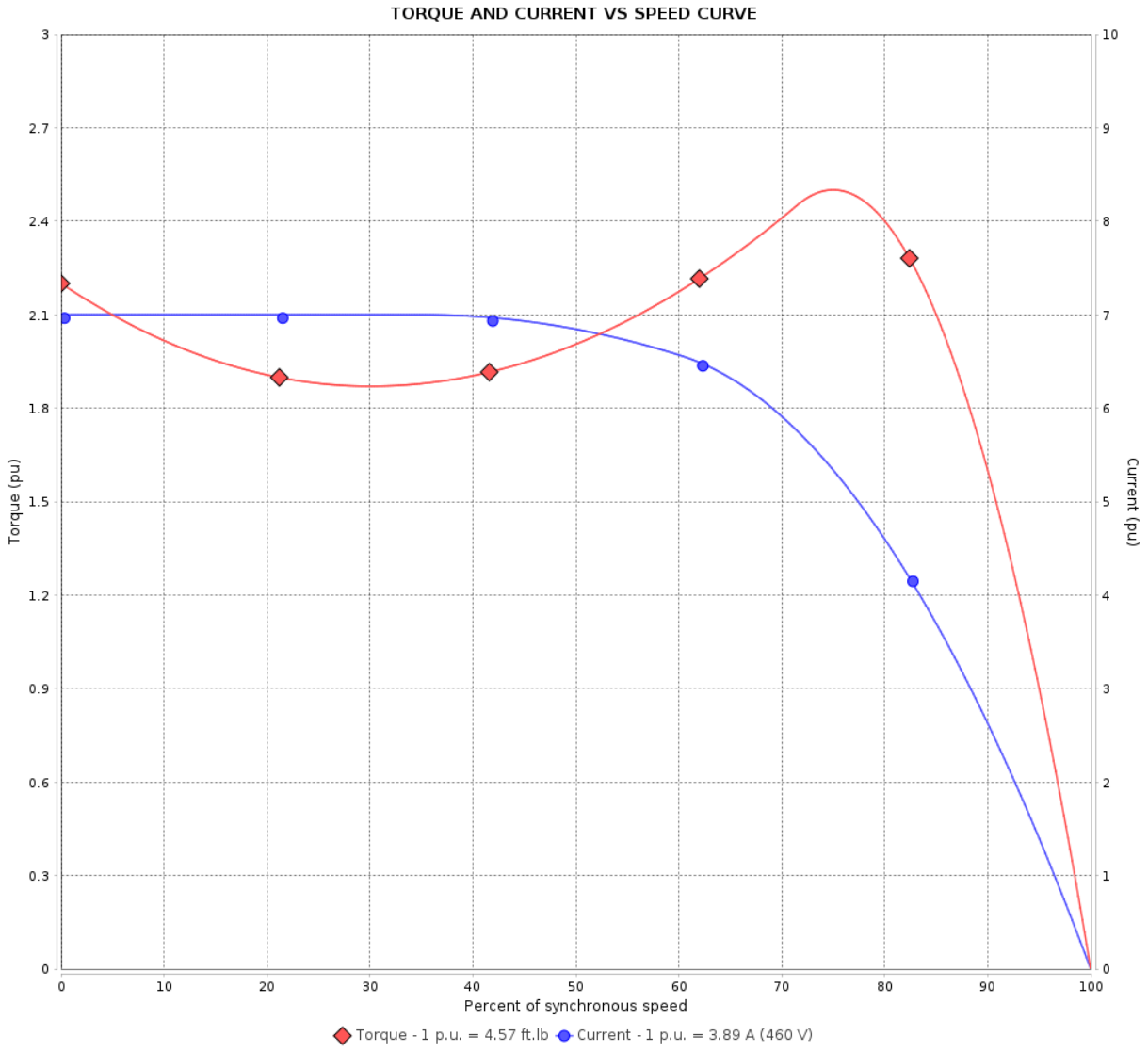

Performance	: 230/460 V 60 Hz 2P

Rated current	: 7.78/3.89 A	Moment of inertia (J)	: 0.0959 sq.ft.lb
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 4.57 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	:
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm	Design	: A

Locked rotor time	: 14s (cold) 8s (hot)

Rev.	Changes Summary	Performed	Checked	Date

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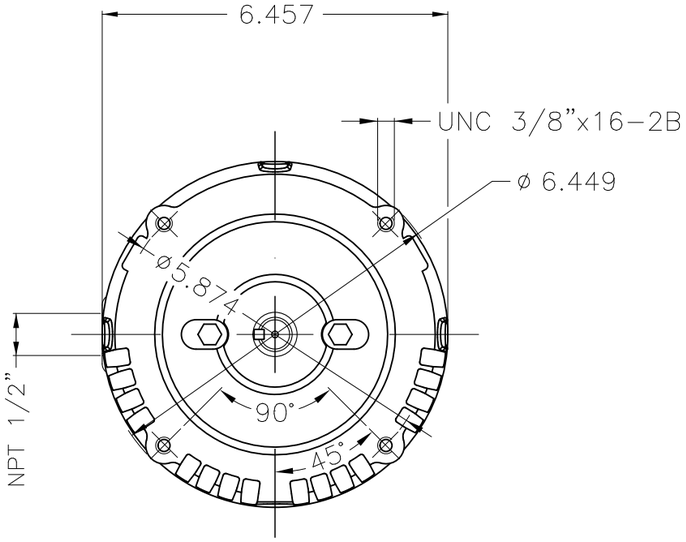
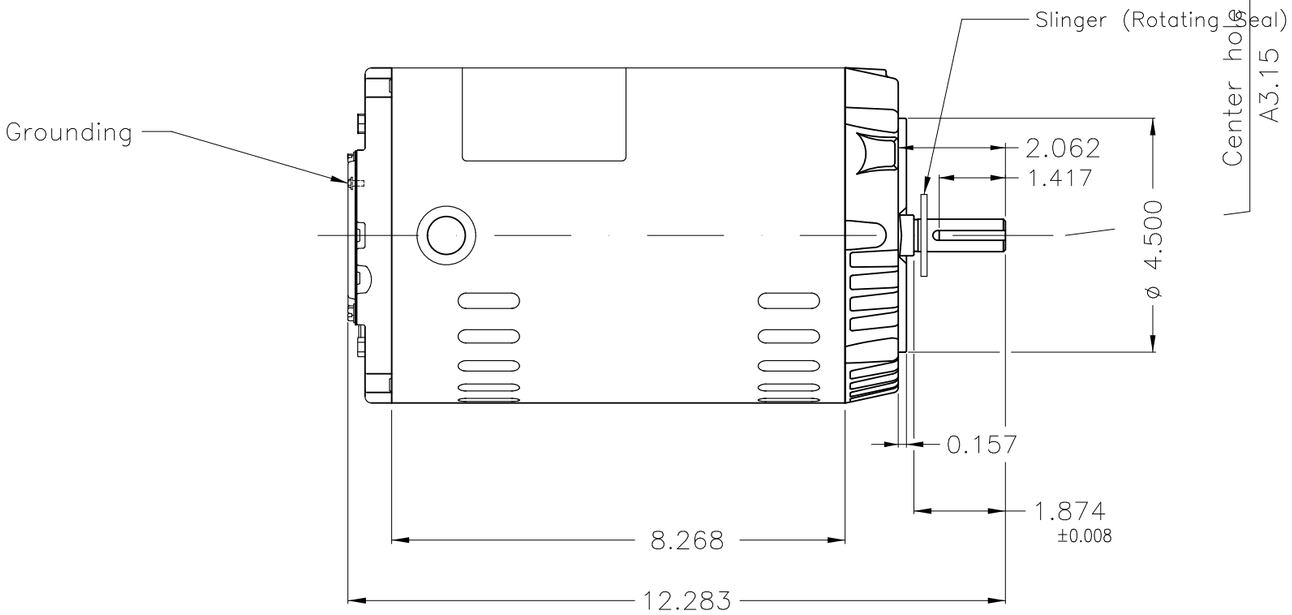
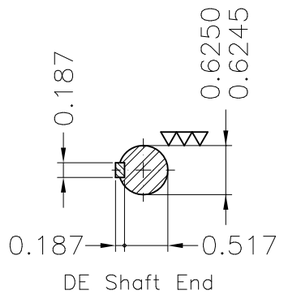
Checked by			Page	Revision
Date	12/08/2022		2 / 2	







Without coating

Mounting F-1/B14R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

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

3 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

3PT9

MADE IN MÉXICO

MAT: 12676391

W01.T00IC0X0X

MODEL 00336OS3EJPR56C-S

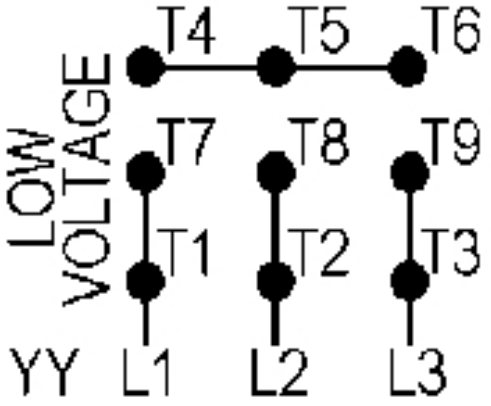
15AUG2022 B/N:

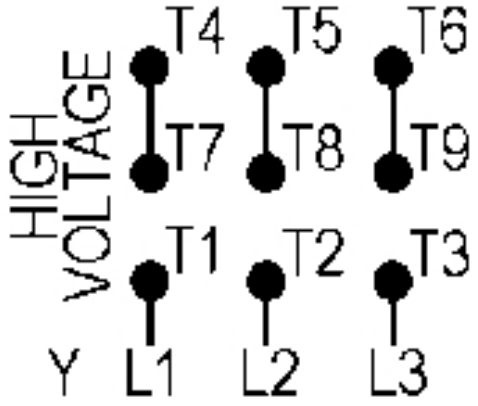
PH 3	Hz 60	HP 3.0	
FR 56C		kW 2.2	
DUTY CONT.		V 208-230/460	
ALT 1000 m.a.s.l		A 8.60-7.78/3.89	
INS CL F ΔT 80K		SFA 8.60-8.95/4.47	
AMB 40°C	DES A	SF 1.15	
ENCL ODP	CODE J	PF 0.87	
USABLE @ 208V SF1.00		RPM 3450	
		NEMA NOM. EFF 81.5%	

ALTERNATE RATING: 2.0HP 50Hz 190-220/380-415V SF1.15
6.30-6.02/3.15-3.19A 2875RPM EFF 81.7% (IE2) IEC 60034-1

Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 2:1 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-BRK RED

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.