



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - ODP - NEMA Premium Efficiency

Frame : 182/4JM
 Output : 5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3510 rpm
 Slip : 2.50 %
 Voltage : 575 V
 Rated current : 4.88 A
 Locked rotor current : 37.1 A
 Locked rotor current (I_L/I_n) : 7.6
 No-load current : 2.06 A
 Full load torque : 7.38 lb.ft
 Locked rotor torque : 190 %
 Breakdown torque : 300 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 12 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 59 lb
 Moment of inertia : 0.13858 sq.ft.lb
 Noise level : 65 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6207 ZZ	6205 ZZ	100%	0.88	86.5
Regreasing interval	---	---	75%	0.83	86.5
Grease amount	---	---	50%	0.73	85.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00536OT3H182JM-S

Performed by

Checked