



No.:

Date: 28-DEC-2012

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Jet Pump - NEMA 56 : Single-Phase - Threaded - ODP (IP21)

Catalog Number : -

List Price : \$-

Notes:

Performed by:

Checked:



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DATA SHEET

Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Jet Pump - NEMA 56 : Single-Phase - Threaded - ODP (IP21)

Frame : E56
Output : 2 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3490
Slip : 3.06 %
Voltage : 115/208-230 V
Rated current : 20.7/11.1-10.4 A
Locked rotor current : 145/72.4 A
Locked rotor current (I_L/I_n) : 7.0
No-load current : 11.3/5.65 A
Full load torque : 2.97 lb.ft
Locked rotor torque : 250 %
Breakdown torque : 250 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.20 (1.00 at 208V)
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP21
Approximate weight : 44 lb
Moment of inertia : 0.05553 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 2RS	6203 2RS	100%	0.80	77.3
Regreasing interval	---	---	75%	0.73	77.0
Grease amount	---	---	50%	0.62	72.8

Notes:

Performed by

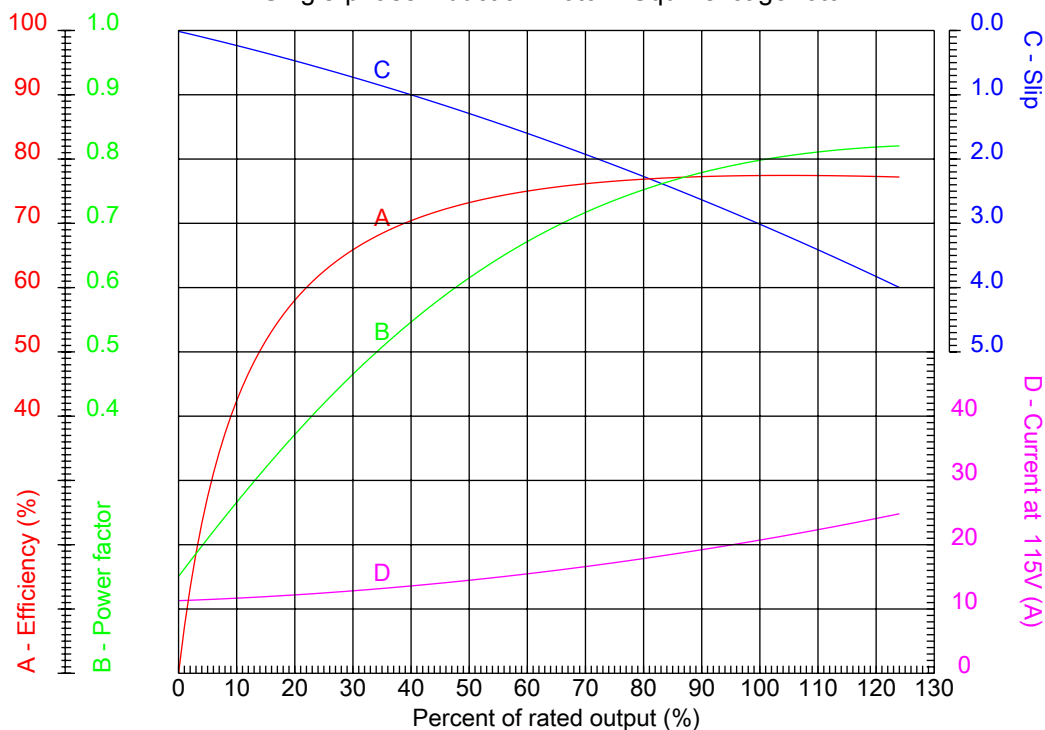
Checked



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PERFORMANCE CURVES RELATED TO RATED OUTPUT Single-phase induction motor - Squirrel cage rotor



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Rated current : 20.7/11.1-10.4 A	Breakdown torque : 250 %
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