



No.:

Date: 26-DEC-2012

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Catalog Number : 00218ES1E145JM

List Price : \$814

Notes:

Performed by:

Checked:



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## DATA SHEET

### Single-phase induction motor - Squirrel cage rotor

Customer :  
Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame : 145JM  
Output : 2 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1740  
Slip : 3.33 %  
Voltage : 208-230/460 V  
Rated current : 8.40/4.20 A  
Locked rotor current : 60.5/30.2 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.2  
No-load current : 3.00/1.50 A  
Full load torque : 5.96 lb.ft  
Locked rotor torque : 230 %  
Breakdown torque : 230 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP55  
Approximate weight : 53 lb  
Moment of inertia : 0.15662 sq.ft.lb  
Noise level : 55 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6203 ZZ	100%	0.95	80.0
Regreasing interval	---	---	75%	0.91	78.5
Grease amount	---	---	50%	0.88	74.0

Notes:

Performed by

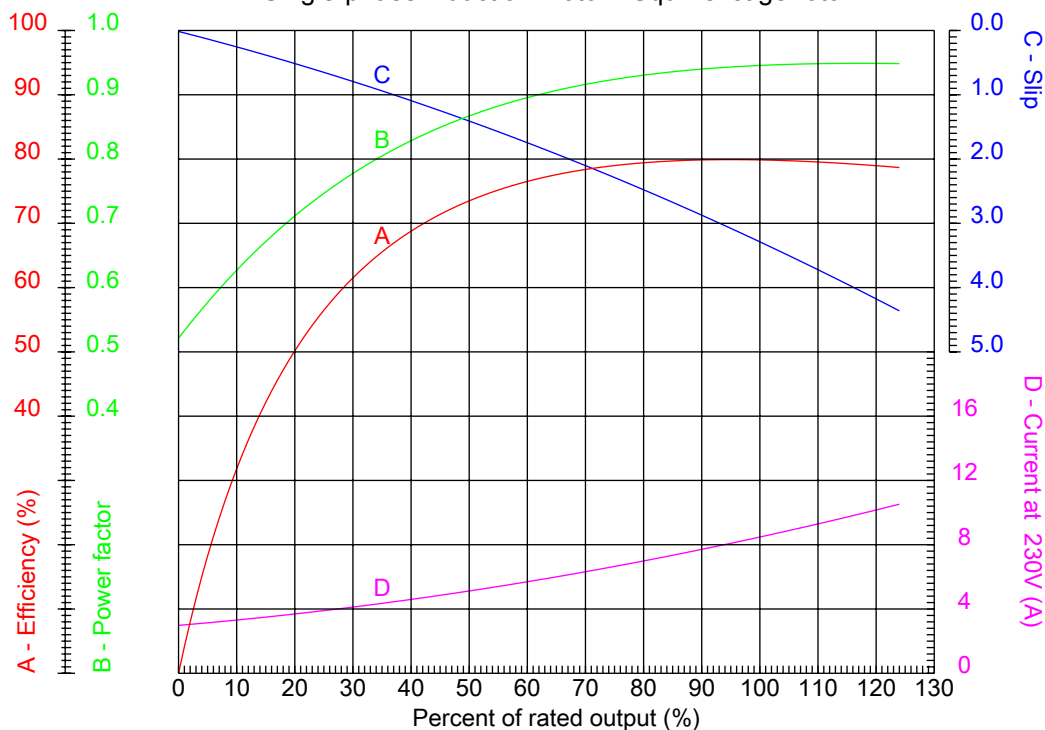
Checked



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



Customer :  
Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame	: 145JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.2
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1740	Design	: ---
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 8.40/4.20 A	Breakdown torque	: 230 %
Insulation class	: F		

Notes:

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