



No.:

Date: 01-JUN-2018

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : ODP - Compressor Duty

Catalog Number :

List Price : \$

Notes:

00536OS1DCD56H-S

Performed by:

Checked:



No.:

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## DATA SHEET

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

Customer :  
Product line : ODP - Compressor Duty

Frame : G56H  
Output : 5 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3455 rpm  
Slip : 4.03 %  
Voltage : 230 V  
Rated current : 19.1 A  
Locked rotor current : 124 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
No-load current : 3.70 A  
Full load torque : 7.50 lb.ft  
Locked rotor torque : 220 %  
Breakdown torque : 200 %  
Design : ---  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.00  
Duty cycle : COMPRESSOR  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP21  
Approximate weight : 53 lb  
Moment of inertia : 0.07214 sq.ft.lb  
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 ZZ	6203 ZZ	100%	0.99	85.0
Regreasing interval	---	---	75%	0.99	85.0
Grease amount	---	---	50%	0.99	83.0

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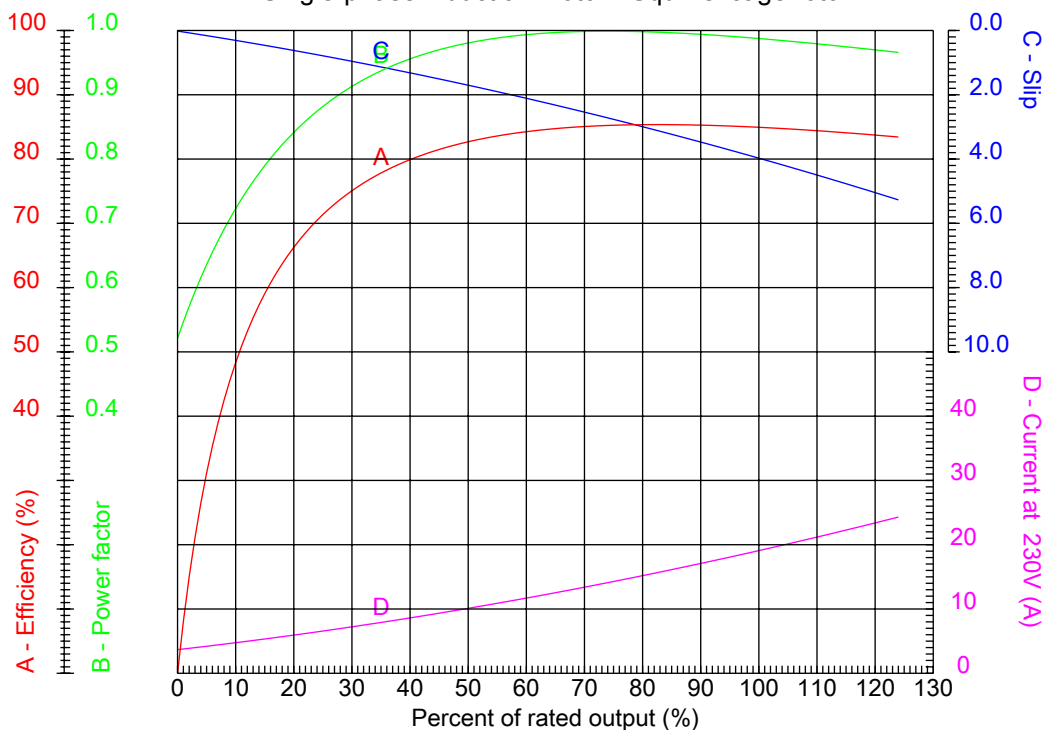
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### PERFORMANCE CURVES RELATED TO RATED OUTPUT Single-phase induction motor - Squirrel cage rotor



Customer :  
Product line : ODP - Compressor Duty

Frame : G56H	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 6.5
Output : 5 HP	Duty cycle : COMPRESSOR
Frequency : 60 Hz	Service factor : 1.00
Full load speed : 3455 rpm	Design : ---
Voltage : 230 V	Locked rotor torque : 220 %
Rated current : 19.1 A	Breakdown torque : 200 %
Insulation class : B	

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