



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Catalog Number : .5036OT3E56C-S

List Price : \$286

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Frame : 56
 Output : 0.5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3490 rpm
 Slip : 3.06 %
 Voltage : 208-230/460 V
 Rated current : 1.79-1.62/0.811 A
 Locked rotor current : 10.1/5.03 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 1.10/0.550 A
 Full load torque : 0.742 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 280 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 39 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 17 lb
 Moment of inertia : 0.03892 sq.ft.lb
 Noise level : 62 dB(A)

	D.E.	N.D.E.
Bearings	6203 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.78	73.4
75%	0.69	70.0
50%	0.57	64.0

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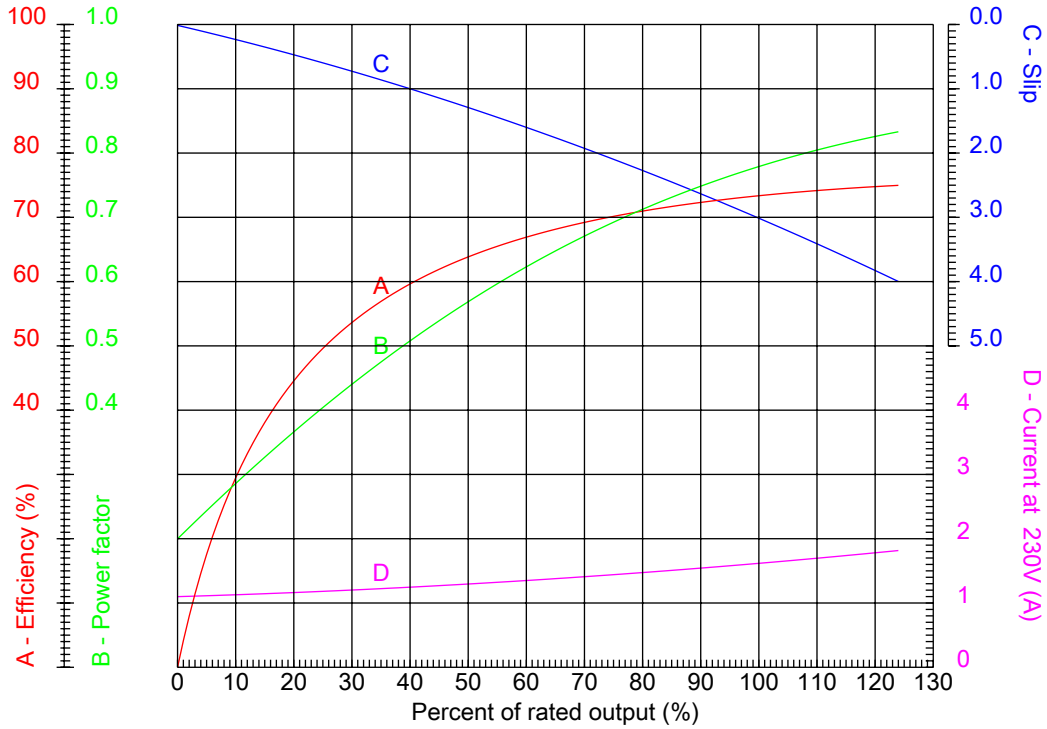
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Three Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Frame	: 56	Locked rotor current (I _L /I _n)	: 6.2
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3490 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 1.79-1.62/0.811 A	Breakdown torque	: 280 %
Insulation class	: F		

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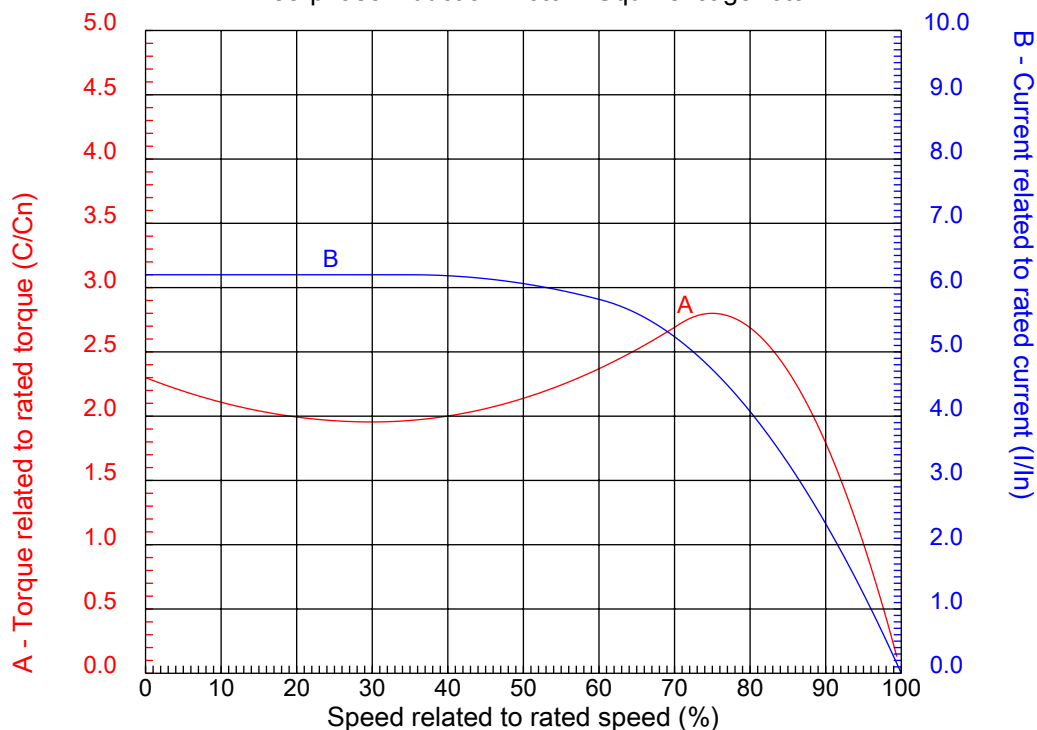
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



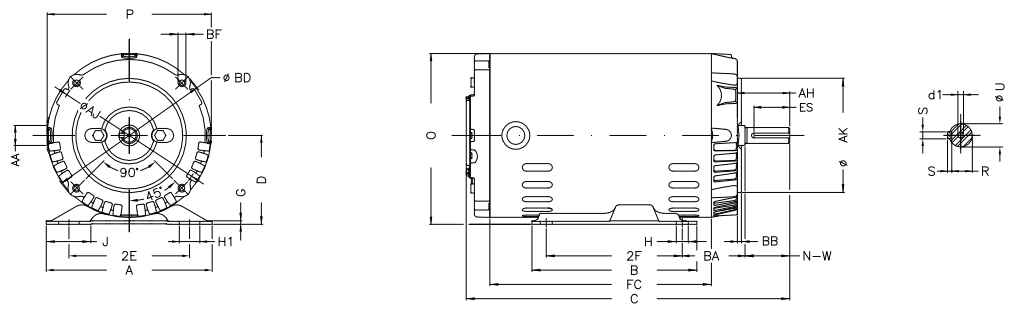
Customer :
Product line : Three Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Frame	: 56	Locked rotor current (I _l /I _n)	: 6.2
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3490 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 1.79-1.62/0.811 A	Breakdown torque	: 280 %
Insulation class	: F		

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P	AB	J	2E	A
6.456	3.323	1.732	4.874	6.535
H	G	HB	HK	T
0.343	0.120	1.784	2.629	0.004
O	FC	2F	B	C
6.724	6.299	3.000	4.016	10.315
BA	N-W	ES	d1	S
2.750	1.874	1.417	A 3.15	0.187
U	AA	depth	R	LL
0.625	NPT 1/2"	0.187	0.517	4.563
LM	D	Flange	AJ	AK
4.090	3.500	FC-149	5.874	4.500
BD	BF	BB	AH	
6.450	UNC 3/8"x16-2B	0.157	2.062	

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Three Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)	
Three-phase induction motor Frame 56 - ODP	12-SEP-2016

