



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

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

Catalog Number : .2536OT1BW56-S

List Price : \$253

Notes:

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No.:

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DATA SHEET Single-phase induction motor - Squirrel cage rotor

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

Frame : W56
 Output : 0.25 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3510 rpm
 Slip : 2.50 %
 Voltage : 115/208-230 V
 Rated current : 2.50/1.38-1.25 A
 Locked rotor current : 22.0/11.0 A
 Locked rotor current (I_L/I_n) : 8.8
 No-load current : 1.00/0.500 A
 Full load torque : 0.369 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 310 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 18 s (hot)
 Service factor : 1.35 (1.00 at 208V)
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 17 lb
 Moment of inertia : 0.02112 sq.ft.lb
 Noise level : 56 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 ZZ	6202 ZZ	100%	0.94	66.6
Regreasing interval	---	---	75%	0.93	59.0
Grease amount	---	---	50%	0.91	50.0

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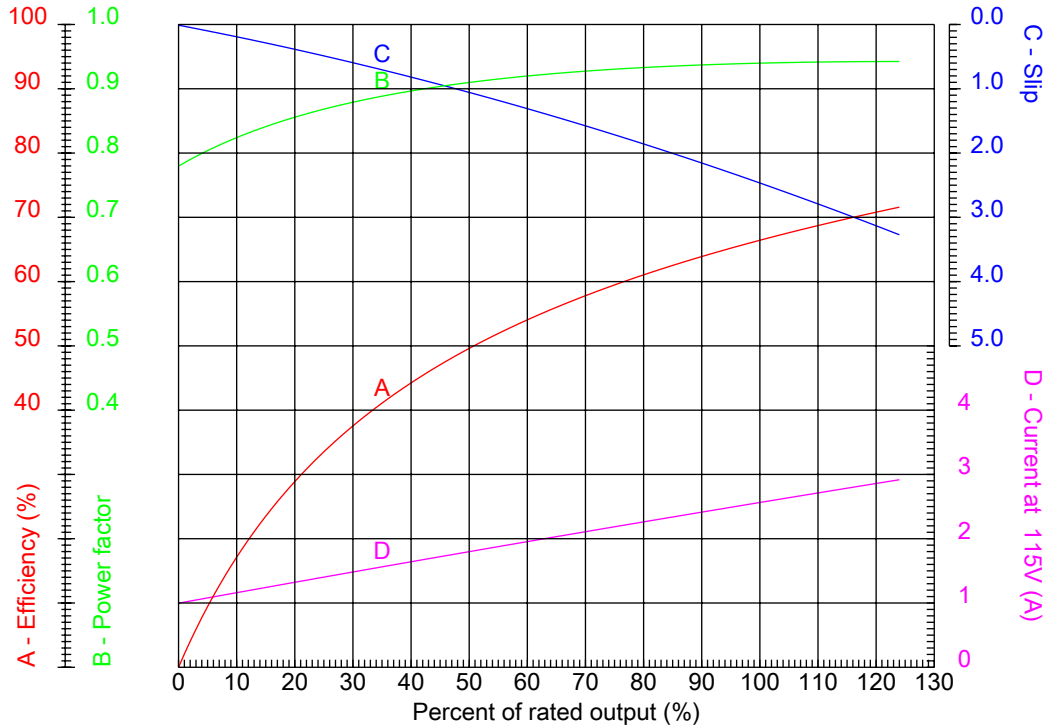
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



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

Frame	: W56	Locked rotor current (I _l /I _n)	: 8.8
Output	: 0.25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.35 (1.00 at 208V)
Full load speed	: 3510 rpm	Design	: ---
Voltage	: 115/208-230 V	Locked rotor torque	: 280 %
Rated current	: 2.50/1.38-1.25 A	Breakdown torque	: 310 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

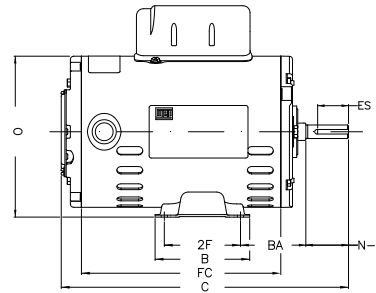
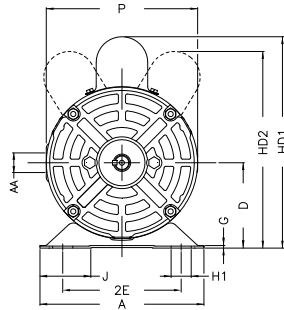
B

C

D

E

F



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Customer:

Single Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Single-phase induction motor
Frame W56 - ODP

12-SEP-2016



P	AB	J	2E	A
5.709	5.520	1.620	4.874	6.535
H	G	HB	HK	FC
0.343	0.075	2.055	2.650	6.299
2F	B	C	BA	N-W
3.000	4.016	9.866	2.750	1.874
ES	d1	S	U	AA
1.417	A 3.15	0.187	0.625	NPT 1/2"
depth	R	LL	LM	BB
0.187	0.517	3.835	3.697	0.524
D	XO	HD2	O	HC2
3.500	0.524	7.677	6.330	4.165