	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	: .2518OT1BW56-S
List Price	: $241

Notes:
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Generated for Model #.2518OT1BW56-S

Performed by:	Checked:

	Dealers Industrial Equipment	No.:
		Date: 12-SEP-2016

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	: 4
Full load speed	: 1745 rpm
Slip	: 3.06 %
Voltage	: 115/208-230 V
Rated current	: 3.20/1.77-1.60 A
Locked rotor current	: 24.0/12.0 A
Locked rotor current (Il/In)	: 7.5
No-load current	: 2.40/1.20 A
Full load torque	: 0.742 lb.ft
Locked rotor torque	: 290 %
Breakdown torque	: 300 %
Design	: ---
Insulation class	: F
Temperature rise	: 80 K
Locked rotor time	: 20 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	: 0.03583 sq.ft.lb
Noise level	: 50 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.71	68.5
75%	0.65	62.0
50%	0.56	53.0

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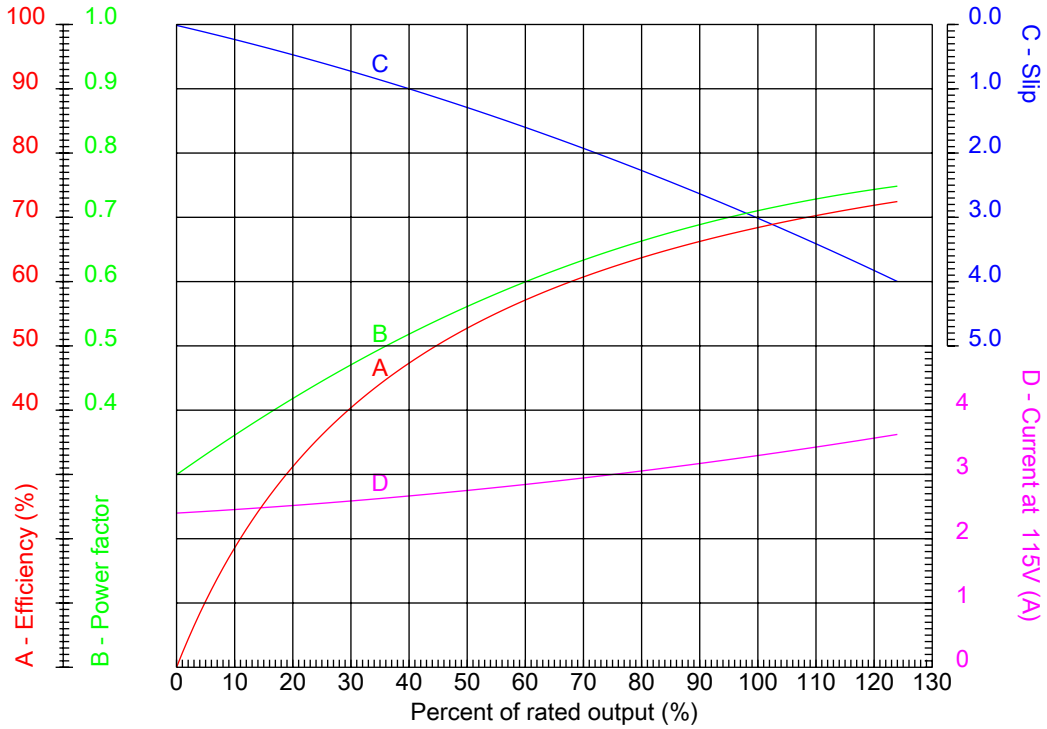
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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 (Il/In)	: 7.5
Output	: 0.25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.35 (1.00 at 208V)
Full load speed	: 1745 rpm	Design	: ---
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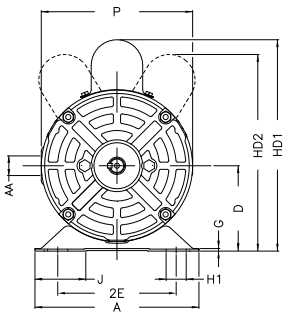

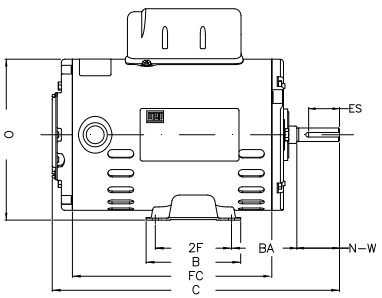

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Performed by:

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Customer:

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

P 5.709	AB 5.520	J 1.620	2E 4.874	A 6.535
H 0.343	G 0.075	HB 2.055	HK 2.650	FC 6.299
2F 3.000	B 4.016	C 9.866	BA 2.750	N-W 1.874
ES 1.417	d1 A 3,15	S 0.187	U 0.625	AA NPT 1/2"
depth 0.187	R 0.517	LL 3.835	LM 3.697	BB 0.524
D 3.500	XO 0.524	HD2 7.677	O 6.330	HC2 4.165

Single-phase induction motor
Frame W56 - ODP

12-SEP-2016