



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 : .5012OT3E56C-S

List Price : \$377

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #.5012OT3E56C-S

Performed by:

Checked:



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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 : 6
 Full load speed : 1155 rpm
 Slip : 3.75 %
 Voltage : 208-230/460 V
 Rated current : 2.06-1.87/0.934 A
 Locked rotor current : 9.53/4.76 A
 Locked rotor current (I_L/I_n) : 5.1
 No-load current : 1.50/0.750 A
 Full load torque : 2.24 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 260 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 28 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 21 lb
 Moment of inertia : 0.08875 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%	0.66	75.3
75%	0.56	74.0
50%	0.43	68.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #.5012OT3E56C-S

Performed by

Checked



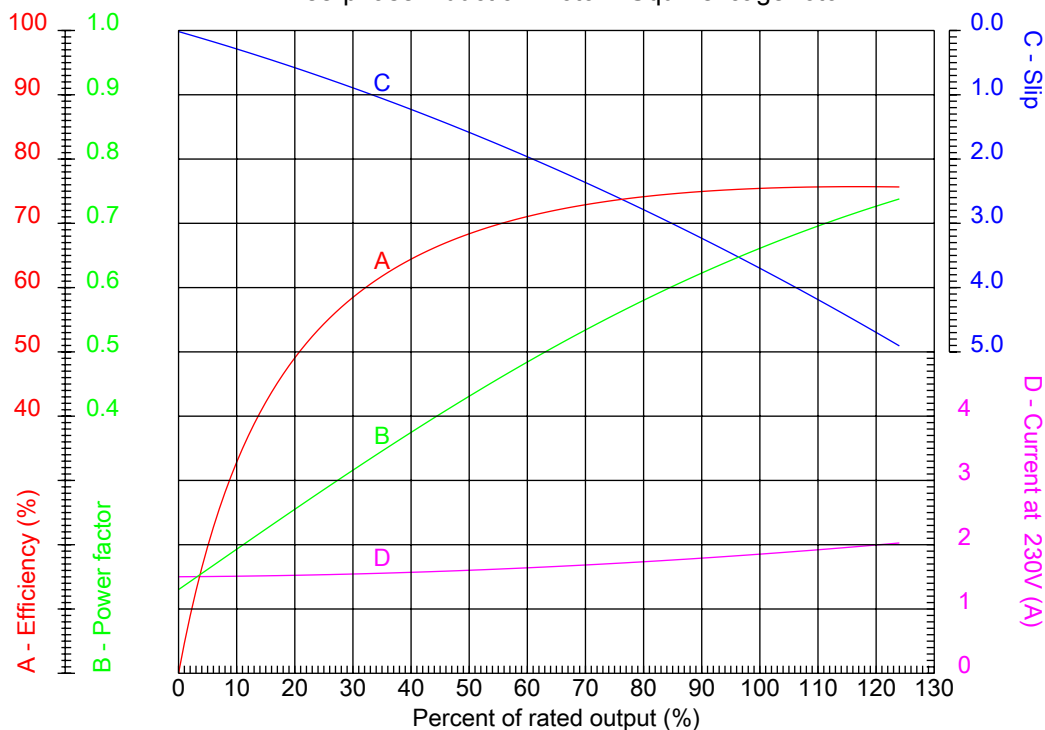
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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)	: 5.1
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1155 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 2.06-1.87/0.934 A	Breakdown torque	: 260 %
Insulation class	: F		

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #.5012OT3E56C-S

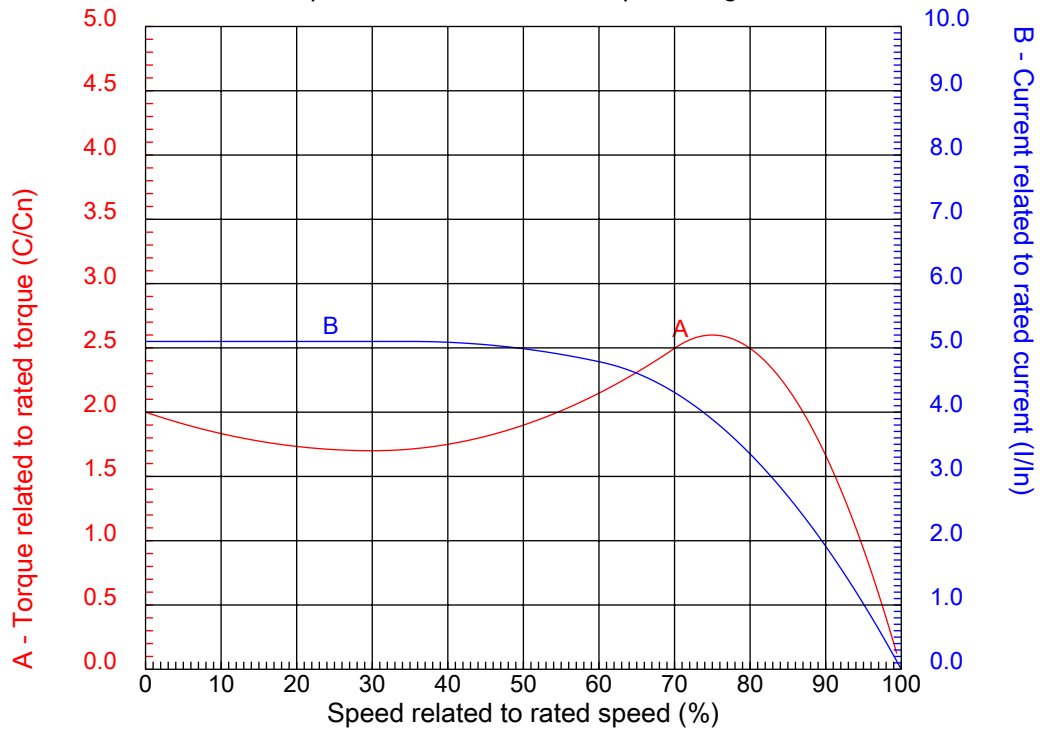
Performed by

Checked



CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



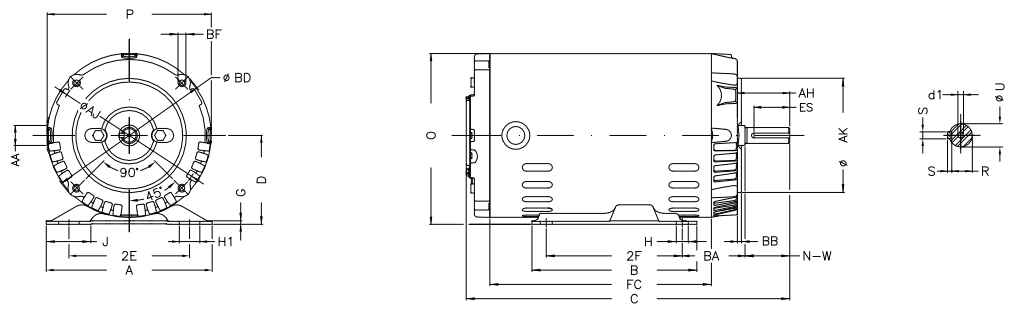
Customer :
Product line : Three Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Frame	: 56	Locked rotor current (I _l /I _n)	: 5.1
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1155 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 2.06-1.87/0.934 A	Breakdown torque	: 260 %
Insulation class	: F		

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #.5012OT3E56C-S

Performed by

Checked



Notes: Downloaded from <http://dealerselectric.com>
 Generated for Model #.5012OT3E56C-S

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	6.693	3.000	4.016	10.709
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	

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

