



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) - TEFC - Standard Efficiency

Catalog Number : 00218ES3E56C-S

List Price : \$414

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #00218ES3E56C-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) - TEFC - Standard Efficiency

Frame : 56H
 Output : 2 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1745 rpm
 Slip : 3.06 %
 Voltage : 208-230/460 V
 Rated current : 6.30-5.70/2.85 A
 Locked rotor current : 41.6/20.8 A
 Locked rotor current (I_L/I_n) : 7.3
 No-load current : 3.33/1.66 A
 Full load torque : 5.94 lb.ft
 Locked rotor torque : 240 %
 Breakdown torque : 270 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 8 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 36 lb
 Moment of inertia : 0.12316 sq.ft.lb
 Noise level : 52 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 ZZ	6202 ZZ	100%	0.80	82.5
Regreasing interval	---	---	75%	0.72	81.5
Grease amount	---	---	50%	0.58	80.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00218ES3E56C-S

Performed by

Checked



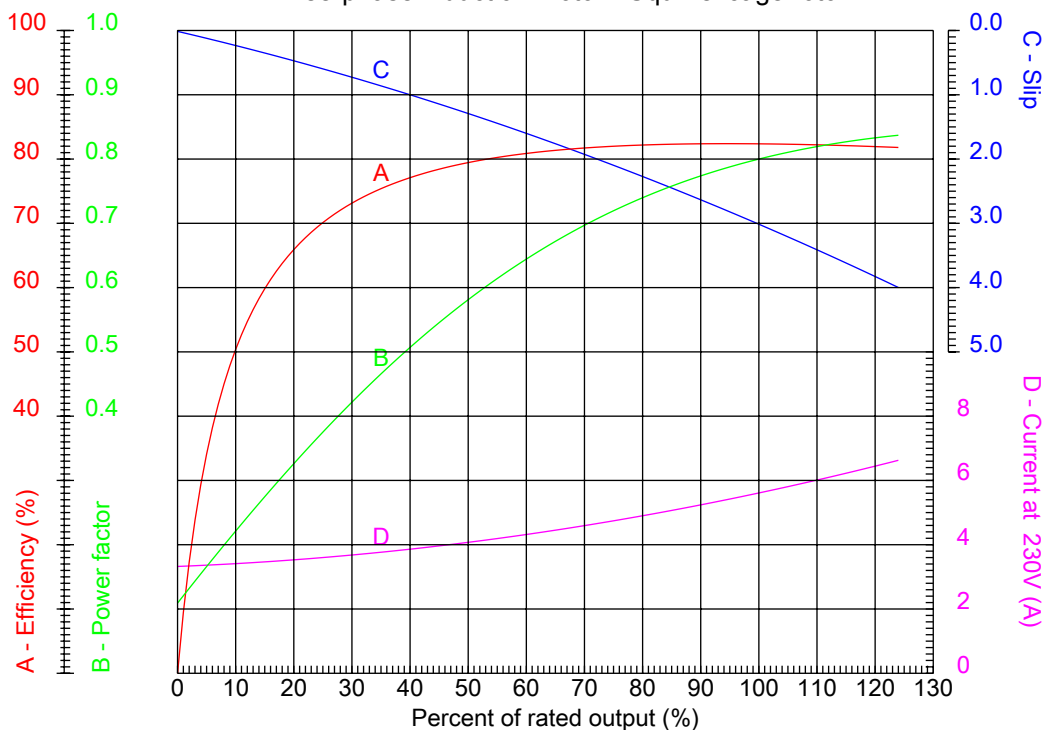
Dealers Industrial Equipment

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) - TEFC - Standard Efficiency

Frame	: 56H	Locked rotor current (I _L /I _n)	: 7.3
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1745 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 6.30-5.70/2.85 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00218ES3E56C-S

Performed by

Checked



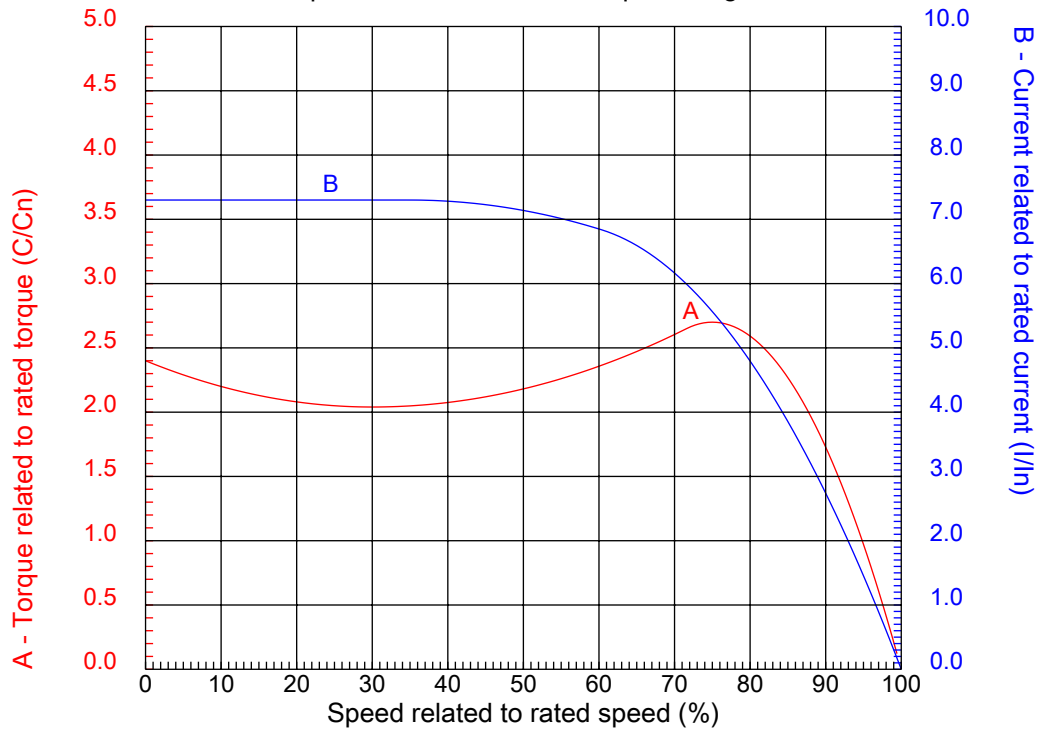
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



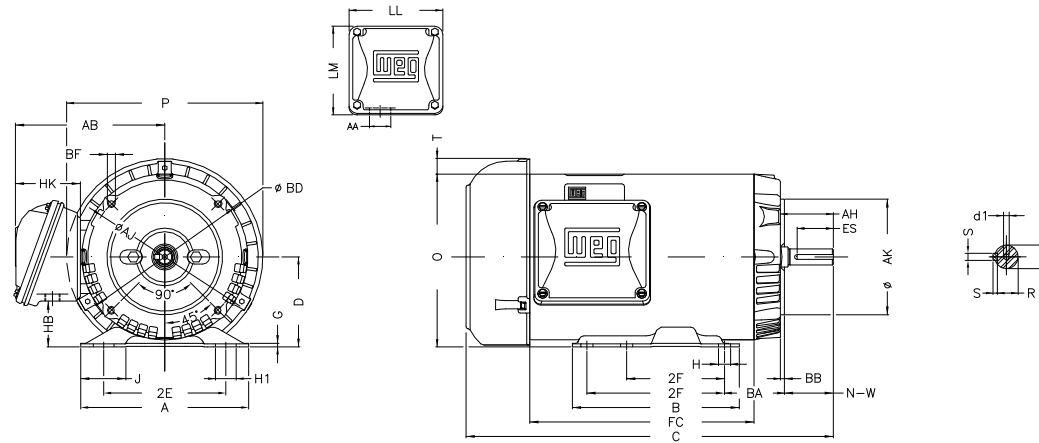
Customer :
Product line : Three Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Frame	: 56H	Locked rotor current (I _l /I _n)	: 7.3
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1745 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 6.30-5.70/2.85 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #00218ES3E56C-S

Performed by

Checked



Notes: Downloaded from <http://dealerselectric.com>
Generated for Model #00218ES3E56C-S

P	AB	J	2E	A
7.638	5.882	1.732	4.874	6.535
H	G	HB	HK	T
0.343	0.120	1.783	2.638	0.603
O	FC	2F	B	C
6.724	7.874	3.000/5.000	6.496	13.504
BA	N-W	ES	d1	S
2.750	1.874	1.417	A 3.15	0.187
U	AA	depth	R	LL
0.625	0.881"	0.187	0.517	4.543
LM	D	Flange	AJ	AK
4.106	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) - TEFC - Standard Efficiency

Three-phase induction motor
Frame 56H - IP55

12-SEP-2016

