



No.:

Date: 19-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Catalog Number : 00318OT3H182T

List Price : \$524

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Frame : 182T
Output : 3 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1760
Slip : 2.22 %
Voltage : 575 V
Rated current : 3.25 A
Locked rotor current : 26.3 A
Locked rotor current (I_L/I_n) : 8.1
No-load current : 1.90 A
Full load torque : 8.83 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP21
Approximate weight : 58 lb
Moment of inertia : 0.25415 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6205 ZZ	100%	0.76	89.5
Regreasing interval	---	---	75%	0.68	88.5
Grease amount	---	---	50%	0.54	85.5

Notes:

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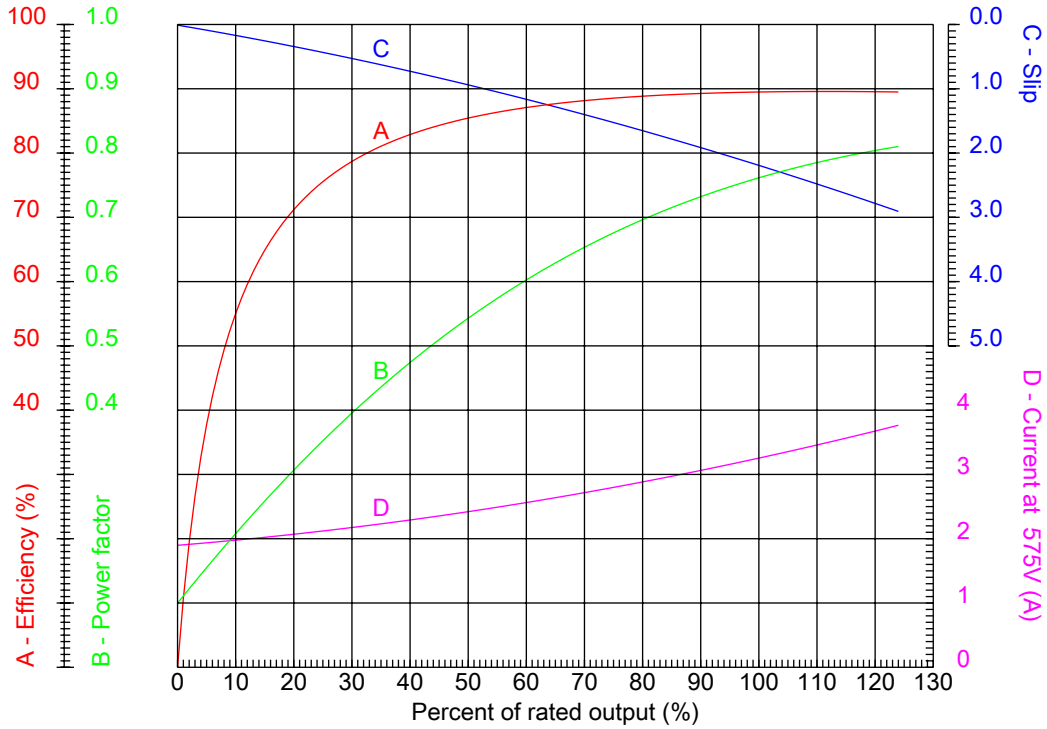


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Frame : 182T	Locked rotor current (I _l /I _n) : 8.1
Output : 3 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 1760	Design : B
Voltage : 575 V	Locked rotor torque : 240 %
Rated current : 3.25 A	Breakdown torque : 300 %
Insulation class : F	

Notes:

Performed by

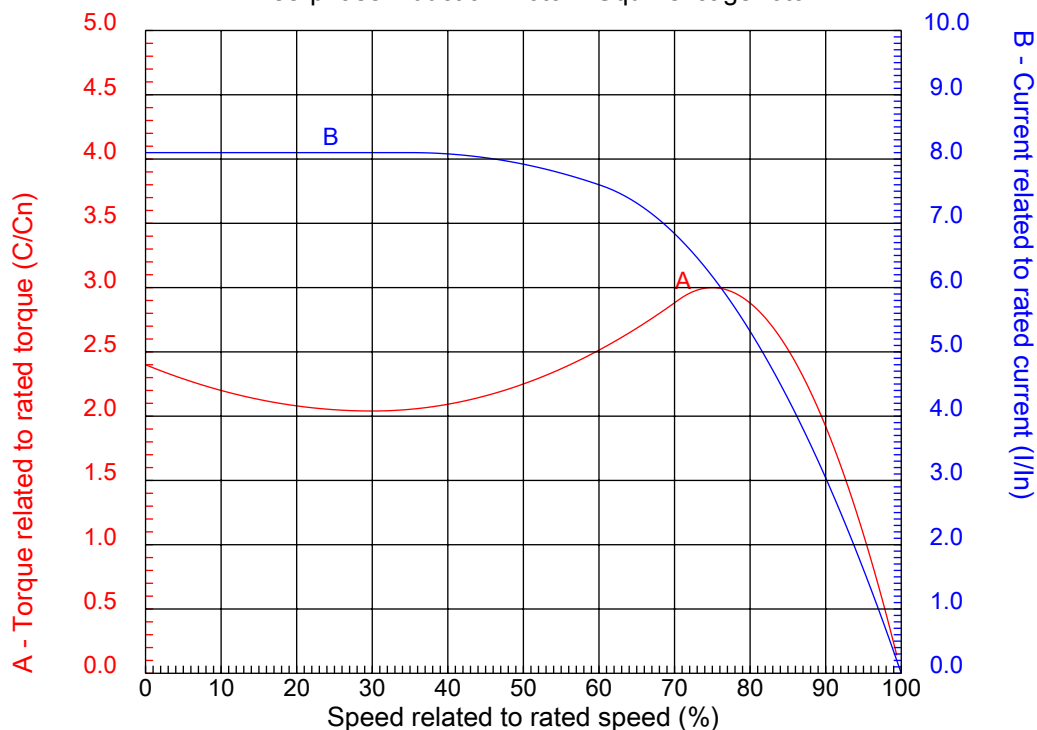
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CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



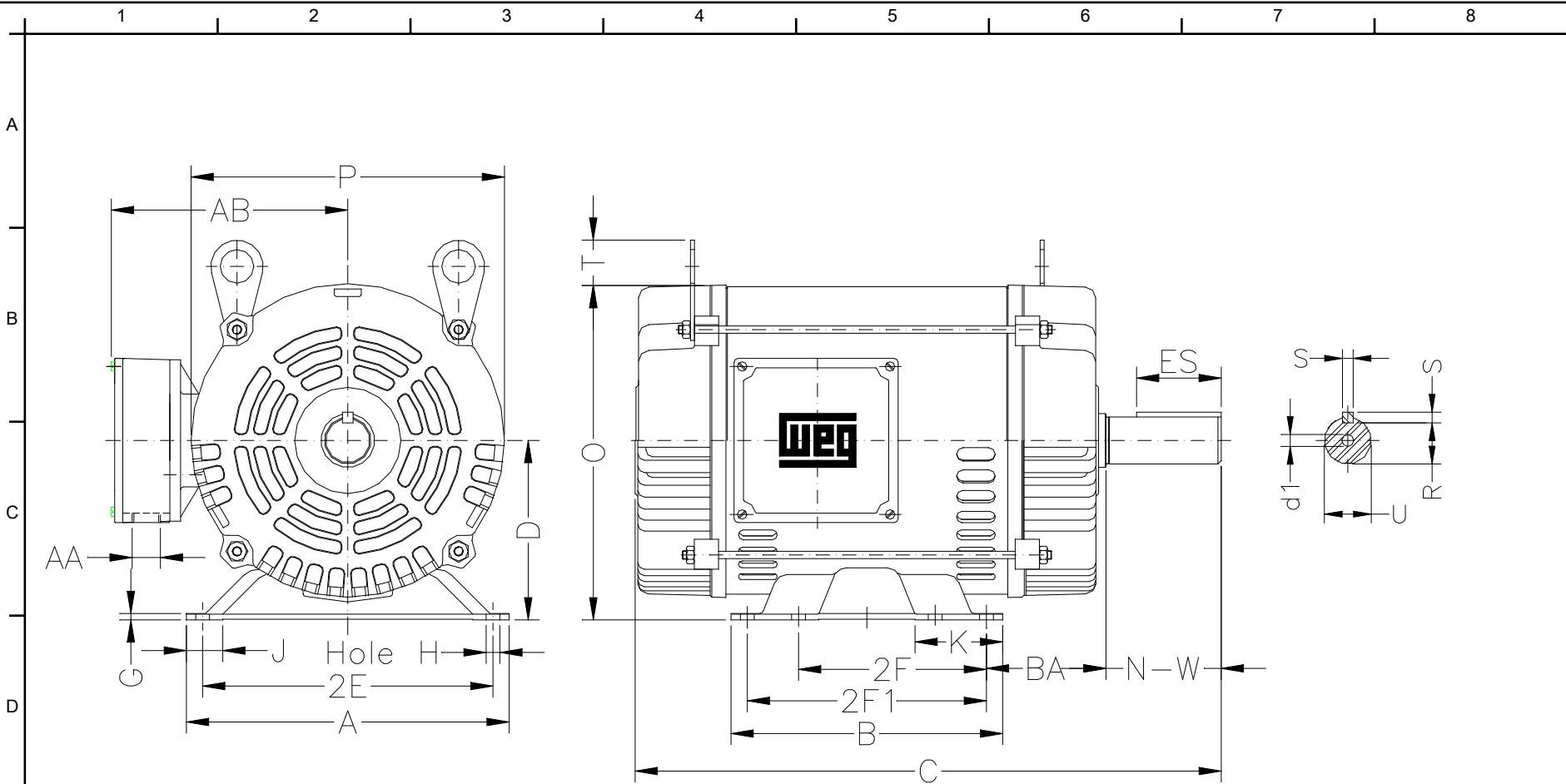
Customer :
Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Frame	: 182T	Locked rotor current (I _l /I _n)	: 8.1
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1760	Design	: B
Voltage	: 575 V	Locked rotor torque	: 240 %
Rated current	: 3.25 A	Breakdown torque	: 300 %
Insulation class	: F		

Notes:

Performed by

Checked



Notes:

2E 7.500	A 8.661	2F 4.500/5.500	B 6.299	BA 2.750
J 1.171	K 1.988	P 7.637	ES 1.969	depth 0.250
S 0.250	D 4.500	N-W 2.750	G 0.187	U 1.125
O 8.307	HD 8.307	R 0.984	H 0.406	AB 6.575
C 13.504	AA NPT 3/4"	d1 A 4	d2 A 4	Flange FC-184
AJ 7.250	AK 8.500	BD 8.875	BF UNC 1/2"x13	BB 0.250
BC 0.125	AH 2.625			

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Customer:

Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Three-phase induction motor
Frame 182T - IP21

19-DEC-2012

