



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase : Explosion Proof - NEMA Premium

Catalog Number : 01536XT3E254TC

List Price : \$2,490

Notes:

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No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 254T
Output : 15 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3540 rpm
Slip : 1.67 %
Voltage : 208-230/460 V
Rated current : 37.3-34.8/17.4 A
Locked rotor current : 237/118 A
Locked rotor current (I_L/I_n) : 6.8
No-load current : 11.2/5.60 A
Full load torque : 22.0 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 270 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 31 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 318 lb
Moment of inertia : 1.1863 sq.ft.lb
Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6309 2RS-C3	6209 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.87	91.0
75%	0.83	90.5
50%	0.74	90.0

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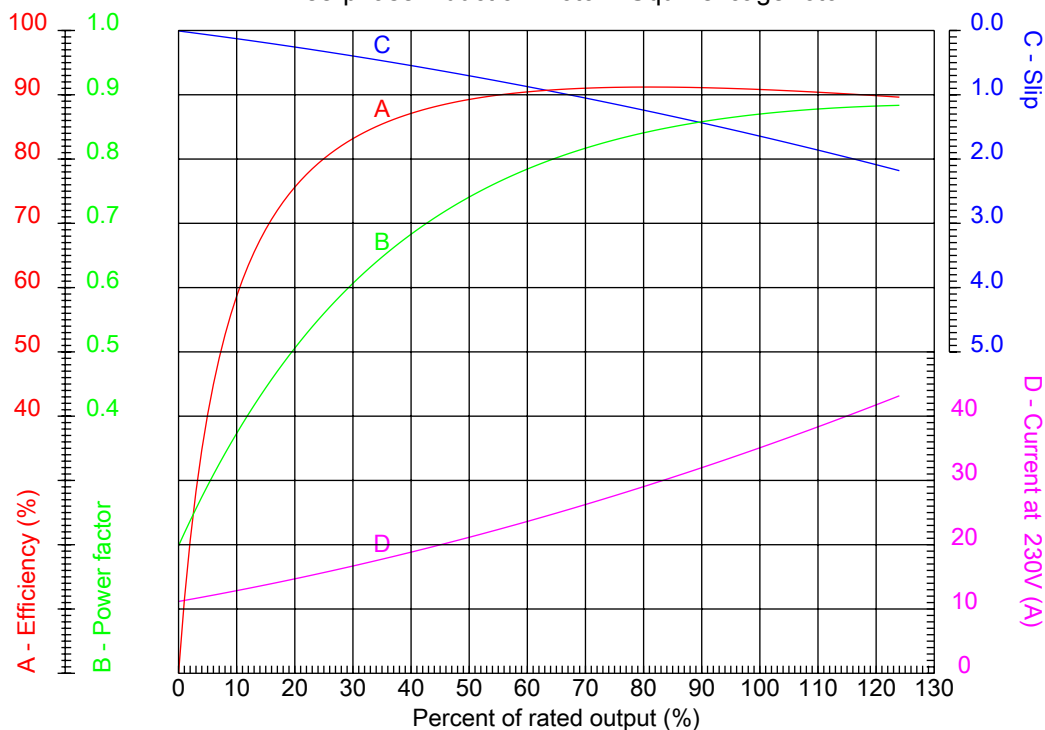
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame	: 254T	Locked rotor current (I _l /I _n)	: 6.8
Output	: 15 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3540 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 37.3-34.8/17.4 A	Breakdown torque	: 270 %
Insulation class	: F		

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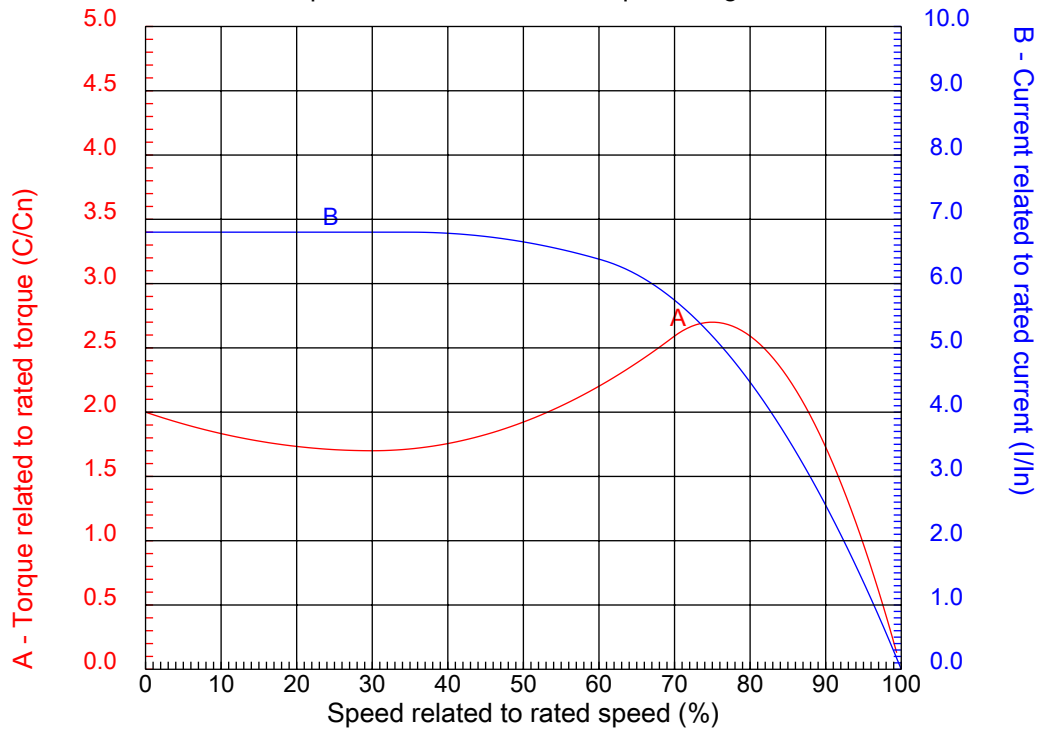
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor

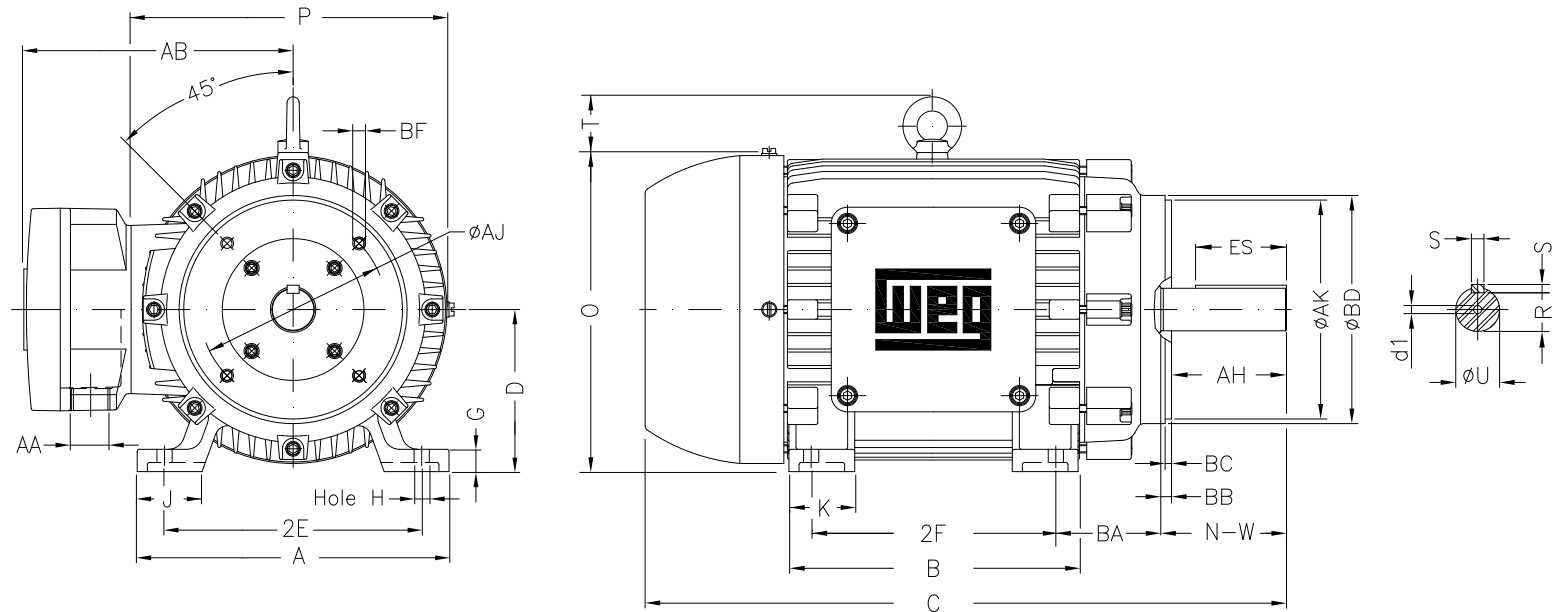


Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame	: 254T	Locked rotor current (I _l /I _n)	: 6.8
Output	: 15 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3540 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 37.3-34.8/17.4 A	Breakdown torque	: 270 %
Insulation class	: F		

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2E 10.000	A 12.126	2F 8.252	B 10.000	BA 4.250
J 2.520	K 2.559	P 12.224	ES 2.756	depth 0.375
S 0.375	N-W 4.000	U 1.625	R 1.416	AB 11.063
D 6.250	G 0.817	O 12.352	T 2.087	H 0.531
C 23.175	AA NPT 1 1/2"	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 0.250	AH 3.750			

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Customer:

Three-Phase : Explosion Proof - NEMA Premium

Three-phase induction motor
Frame 254T - IP55

23-SEP-2016



1 2 3 4 5 6 7 8

A
B
C
D
E
F

LOW VOLTAGE

HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Three-phase induction motor
Frame 254T - IP55

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