



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 - NEMA Premium Efficiency

Catalog Number : 00236OT3H145TC-S

List Price : \$521

Notes:

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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 - NEMA Premium Efficiency

Frame : 143/5T
 Output : 2 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3510 rpm
 Slip : 2.50 %
 Voltage : 575 V
 Rated current : 1.94 A
 Locked rotor current : 17.2 A
 Locked rotor current (I_L/I_n) : 8.9
 No-load current : 0.734 A
 Full load torque : 2.95 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 330 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 14 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 37 lb
 Moment of inertia : 0.11509 sq.ft.lb
 Noise level : 62 dB(A)

	D.E.	N.D.E.
Bearings	6205 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.91	85.5
75%	0.86	85.5
50%	0.77	84.0

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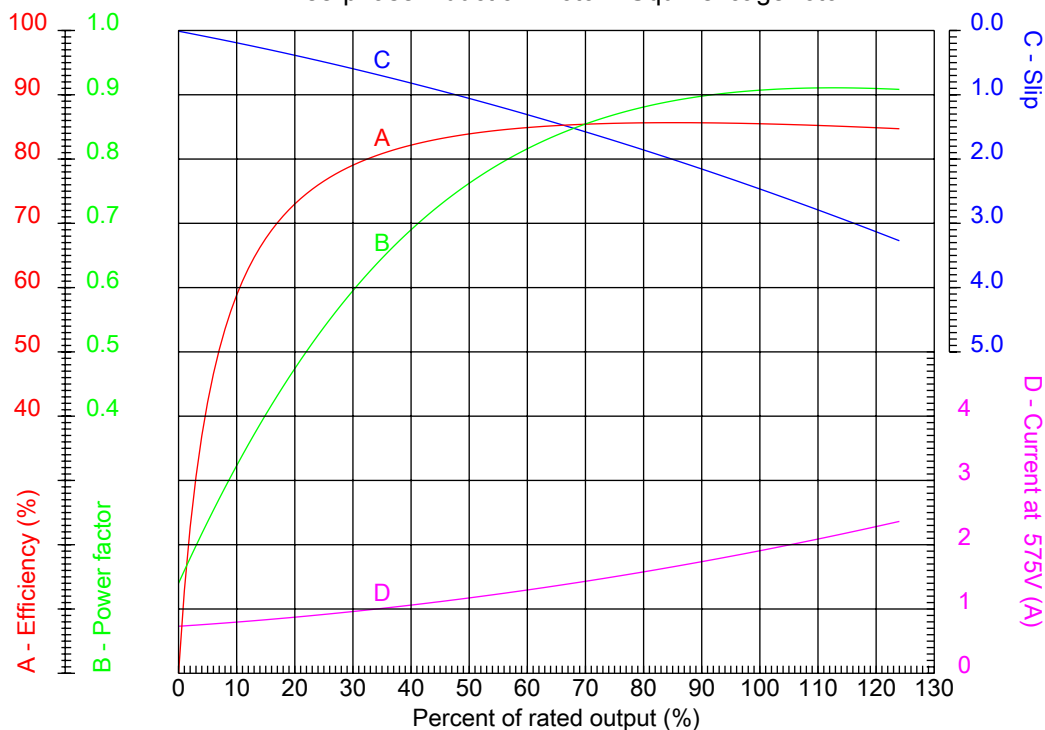
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : 143/5T	Locked rotor current (I _l /I _n) : 8.9
Output : 2 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 3510 rpm	Design : B
Voltage : 575 V	Locked rotor torque : 220 %
Rated current : 1.94 A	Breakdown torque : 330 %
Insulation class : F	

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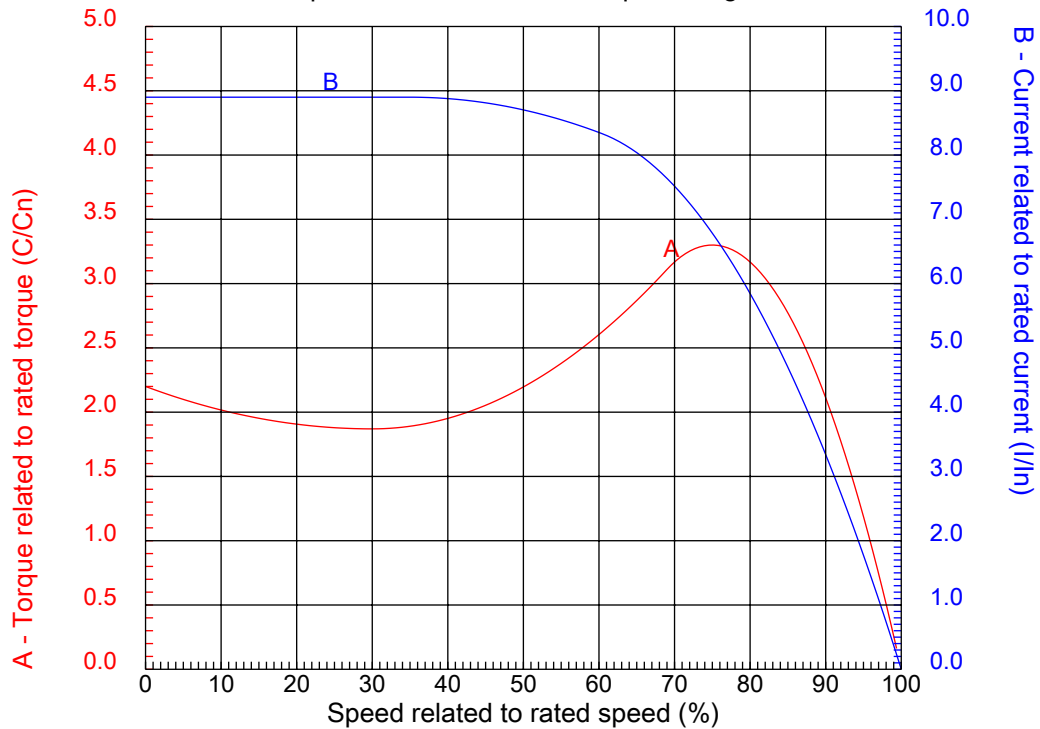
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 143/5T	Locked rotor current (I _l /I _n)	: 8.9
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3510 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 220 %
Rated current	: 1.94 A	Breakdown torque	: 330 %
Insulation class	: F		

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Performed by

Checked

1 2 3 4 5 6 7 8

A

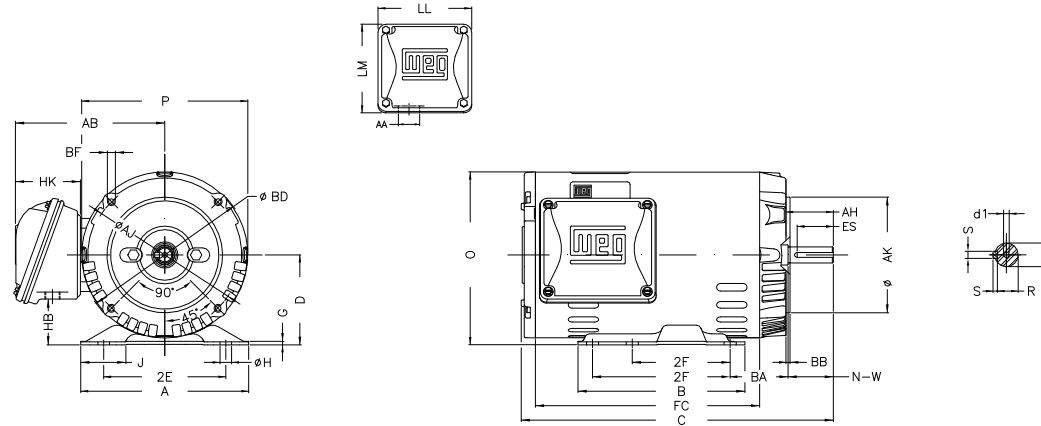
B

C

D

E

F



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P 6.456	AB 5.882	J 1.732	2E 5.500	A 6.535
H 0.343	G 0.120	HB 1.783	HK 2.638	T 0.004
O 6.724	FC 8.268	2F 4.000/5.000	B 6.496	C 11.969
BA 2.750	N-W 2.250	ES 1.417	d1 A 3.15	S 0.187
U 0.875	AA 1.118"	depth 0.187	R 0.771	LL 4.543
LM 4.106	D 3.500	CH 1.377	Flange FC-149	AJ 5.874
AK 4.500	BD 6.450	BF UNC 3/8"x16	BB 0.157	AH 2.132

Performed by:

Checked:

Customer:

Three Phase: W01 (Rolled Steel) - ODP - NEMA Premium Efficiency

Three-phase induction motor
Frame 143/5T - ODP

12-SEP-2016



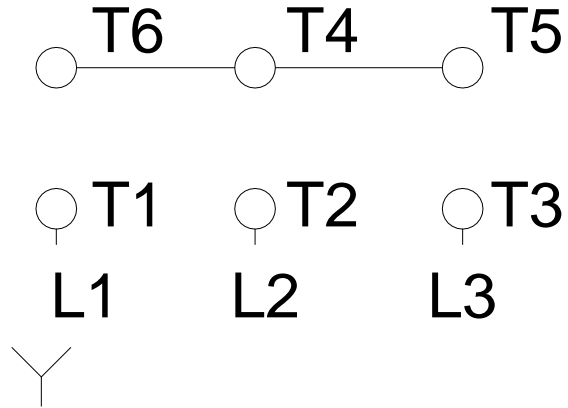
1 2 3 4 5 6 7 8

A
B
C
D
E
F

RUN



ONLY FOR START



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Performed by:		
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Customer:		
Three Phase: W01 (Rolled Steel) - ODP - NEMA Premium Efficiency		
Three-phase induction motor Frame 143/5T - IP21	12-SEP-2016	