



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase : Rolled Steel Motor - NEMA Premium Efficiency

Catalog Number : 00112ET3ERSR145TC

List Price : \$>(discontinued)

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 : Rolled Steel Motor - NEMA Premium Efficiency

Frame : 143/5T
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1160 rpm
 Slip : 3.33 %
 Voltage : 208-230/460 V
 Rated current : 3.55-3.50/1.75 A
 Locked rotor current : 20.0/9.98 A
 Locked rotor current (I_L/I_n) : 5.7
 No-load current : 2.40/1.20 A
 Full load torque : 4.47 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 300 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.15 (1.00 at 208V)
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 41 lb
 Moment of inertia : 0.17679 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.65	82.5
75%	0.55	81.5
50%	0.43	78.5

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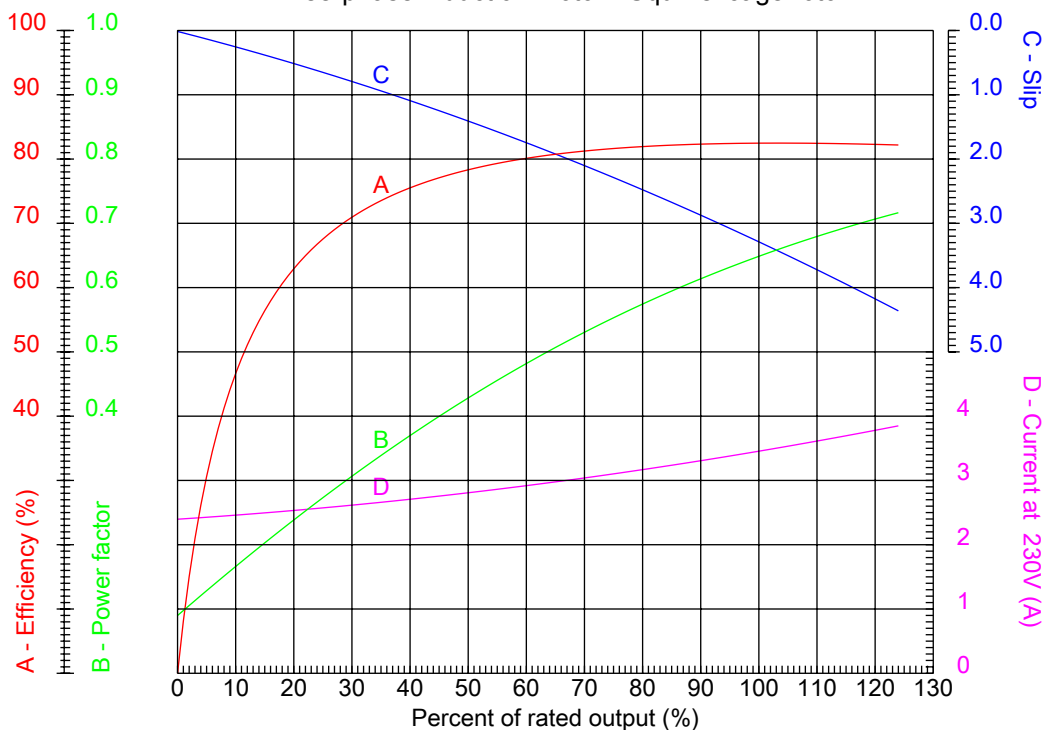
Dealers Industrial Equipment

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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Three-Phase : Rolled Steel Motor - NEMA Premium Efficiency

Frame	: 143/5T	Locked rotor current (I _l /I _n)	: 5.7
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 1160 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 250 %
Rated current	: 3.55-3.50/1.75 A	Breakdown torque	: 300 %
Insulation class	: F		

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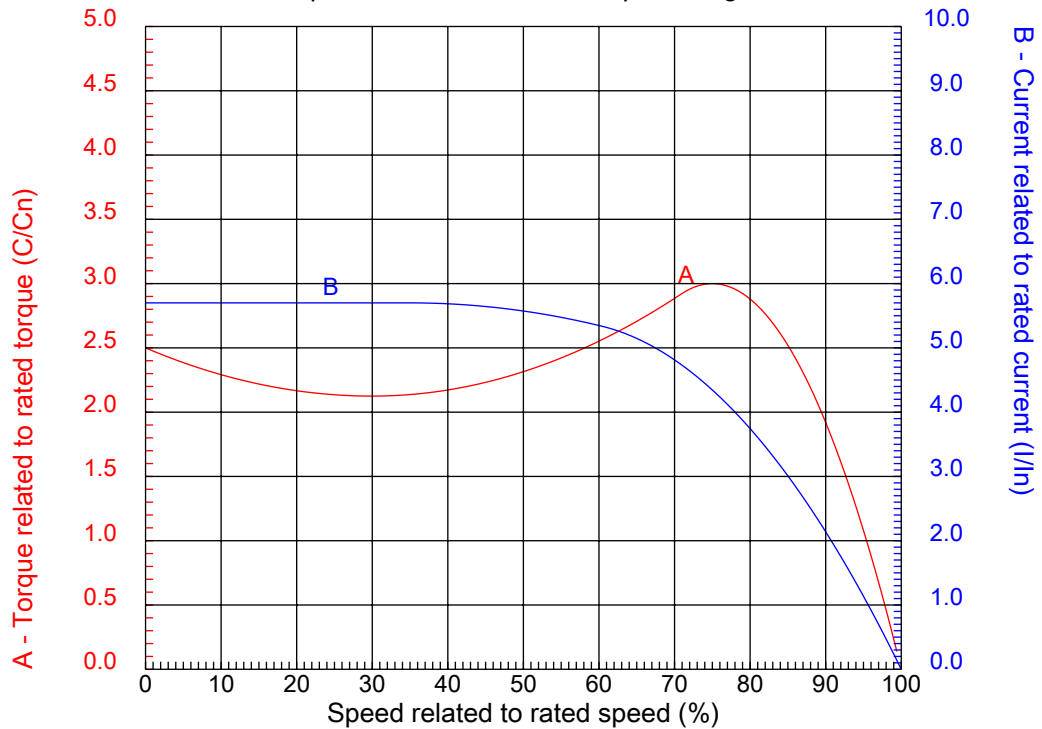
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



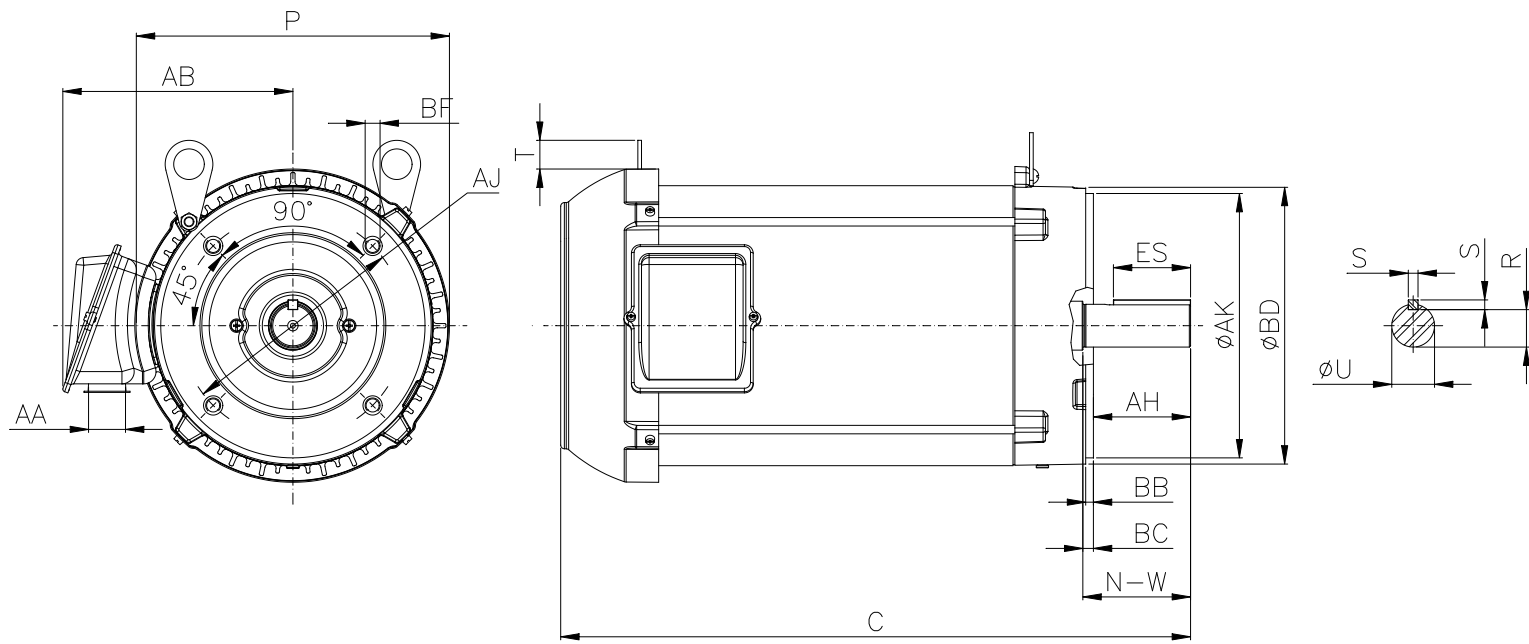
Customer :
Product line : Three-Phase : Rolled Steel Motor - NEMA Premium Efficiency

Frame	: 143/5T	Locked rotor current (I _l /I _n)	: 5.7
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 1160 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 250 %
Rated current	: 3.55-3.50/1.75 A	Breakdown torque	: 300 %
Insulation class	: F		

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Customer:

Three-Phase : Rolled Steel Motor - NEMA Premium Efficiency

P	U	N-W	ES	S
7.323	0.8750	2.250	1.417	0.187
R	depth	C	FC	d1
0.766	0.187	14.095	7.874	A 4
d2	Flange	AJ	AK	BD
DM6	FC-149	5.875	4.500	6.535
BF	BB	BC		
UNC 3/8"x16	0.157	9		

Three-phase induction motor
 Frame 143/5T - IP55

12-SEP-2016



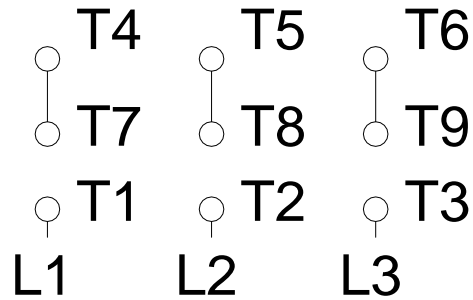
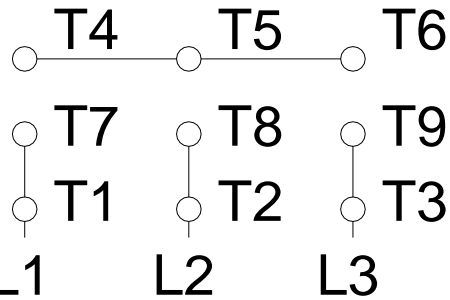
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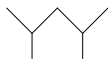
LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Three-phase induction motor
 Frame 143/5T - IP55

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