



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

## TECHNICAL PROPOSAL

### Three-phase induction motor - Squirrel cage rotor

Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Catalog Number : 05012OT3V365T

List Price : \$6,392

#### Notes:

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Date: 23-SEP-2016

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame : 364/5T  
 Output : 50 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1185 rpm  
 Slip : 1.25 %  
 Voltage : 200/400 V  
 Rated current : 135/67.6 A  
 Locked rotor current : 879/440 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
 No-load current : 50.6/25.3 A  
 Full load torque : 219 lb.ft  
 Locked rotor torque : 200 %  
 Breakdown torque : 250 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 18 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 862 lb  
 Moment of inertia : 25.689 sq.ft.lb  
 Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.84	94.1
75%	0.81	94.1
50%	0.72	93.6

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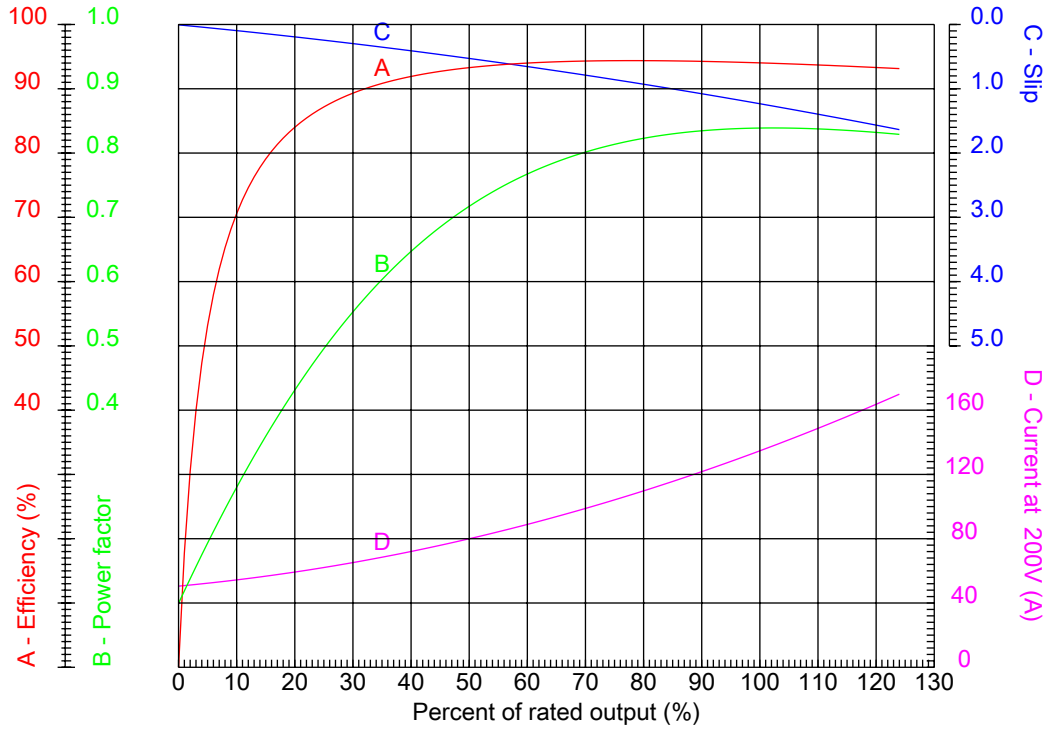
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame	: 364/5T	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.5
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1185 rpm	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 200 %
Rated current	: 135/67.6 A	Breakdown torque	: 250 %
Insulation class	: F		

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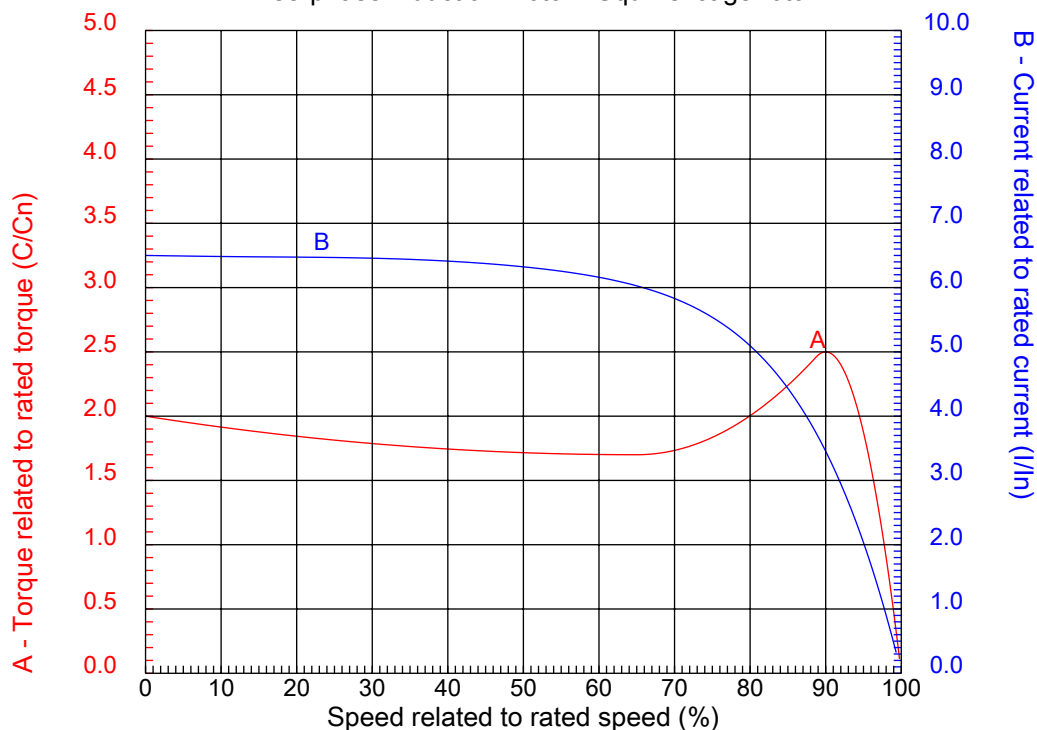
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame	: 364/5T	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.5
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1185 rpm	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 200 %
Rated current	: 135/67.6 A	Breakdown torque	: 250 %
Insulation class	: F		

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Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

2E 14.000	J 3.150	A 17.170	P 17.874	AB 16.378
2F 11.250/12.250	K 4.140	B 15.400	BA 5.875	U 2.375
d1 DUNC 3/4"-10	N-W 5.874	ES 4.330	S 0.625	R 2.019
depth 0.625	D 9.000	G 1.480	O 18.425	T 2.795
H 0.657	C 29.764	AA NPT 3"		

Three-phase induction motor  
 Frame 364/5T - IP23

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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Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

Three-phase induction motor  
Frame 364/5T - IP23

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