



# 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 : 05018OT3E326TS

List Price : \$3,788

#### Notes:

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Performed by:

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

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

Frame : 326TS  
 Output : 50 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1775 rpm  
 Slip : 1.39 %  
 Voltage : 208-230/460 V  
 Rated current : 132-120/59.9 A  
 Locked rotor current : 755/377 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.3  
 No-load current : 48.0/24.0 A  
 Full load torque : 146 lb.ft  
 Locked rotor torque : 240 %  
 Breakdown torque : 250 %  
 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 m  
 Degree of Protection : IP23  
 Approximate weight : 573 lb  
 Moment of inertia : 7.0355 sq.ft.lb  
 Noise level : 65 dB(A)

	D.E.	N.D.E.
Bearings	6312 Z-C3	6212 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	21 g	13 g

Load	Power factor	Efficiency (%)
100%	0.82	94.5
75%	0.79	94.5
50%	0.70	94.1

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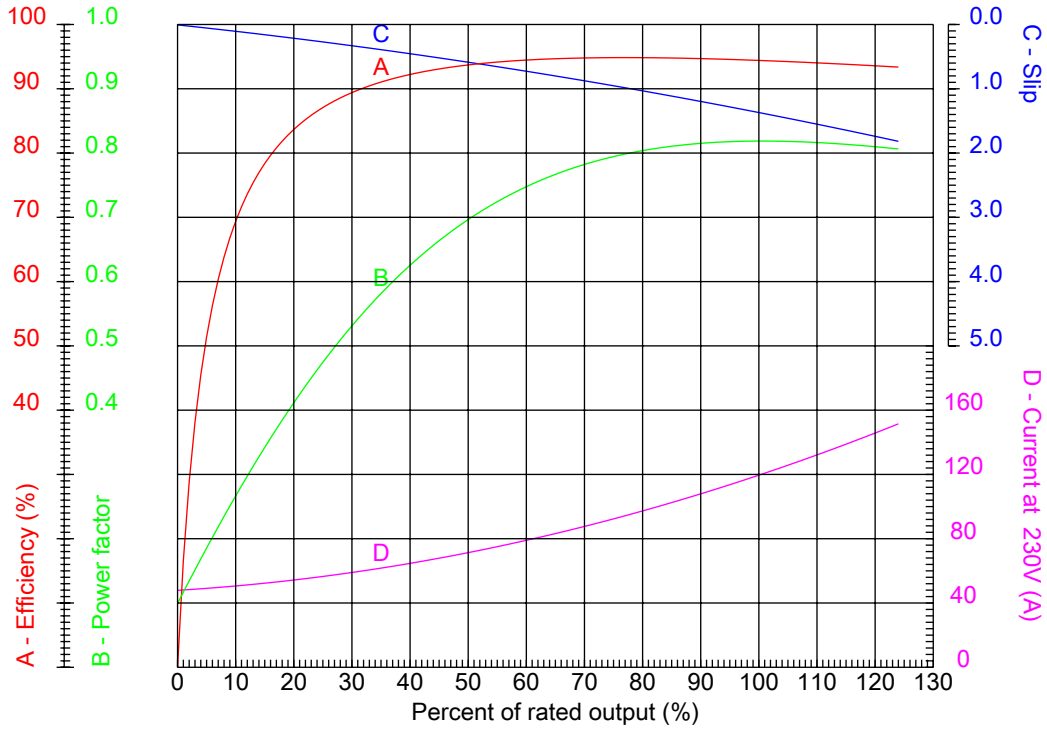
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 326TS	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1775 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 132-120/59.9 A	Breakdown torque	: 250 %
Insulation class	: F		

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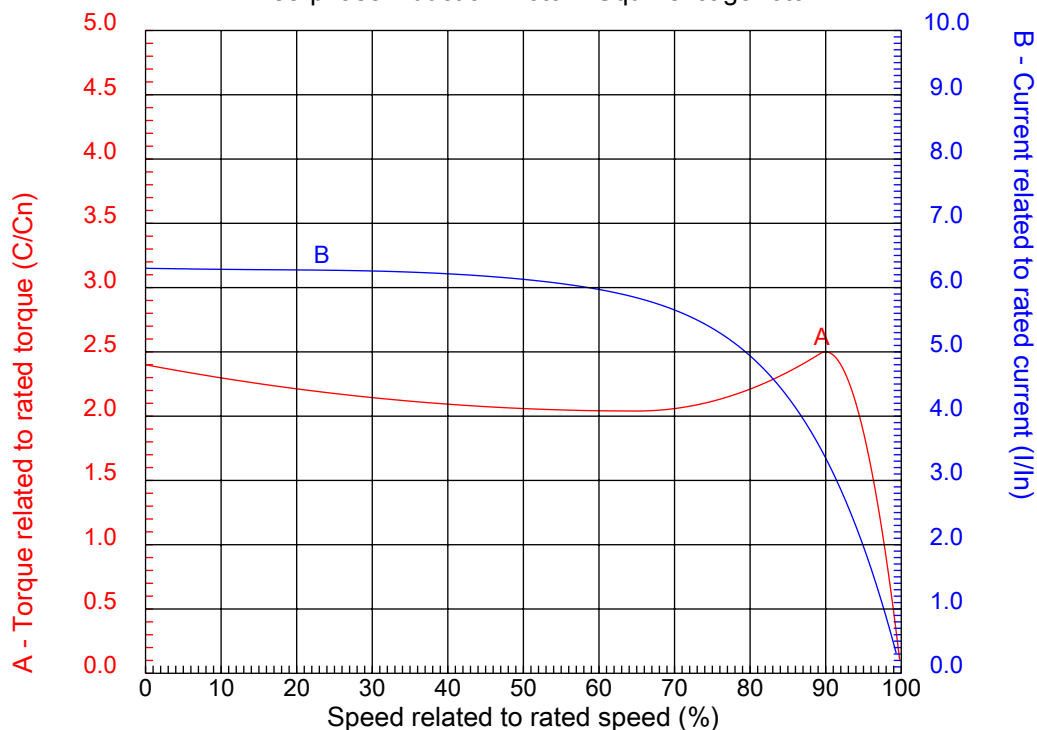
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



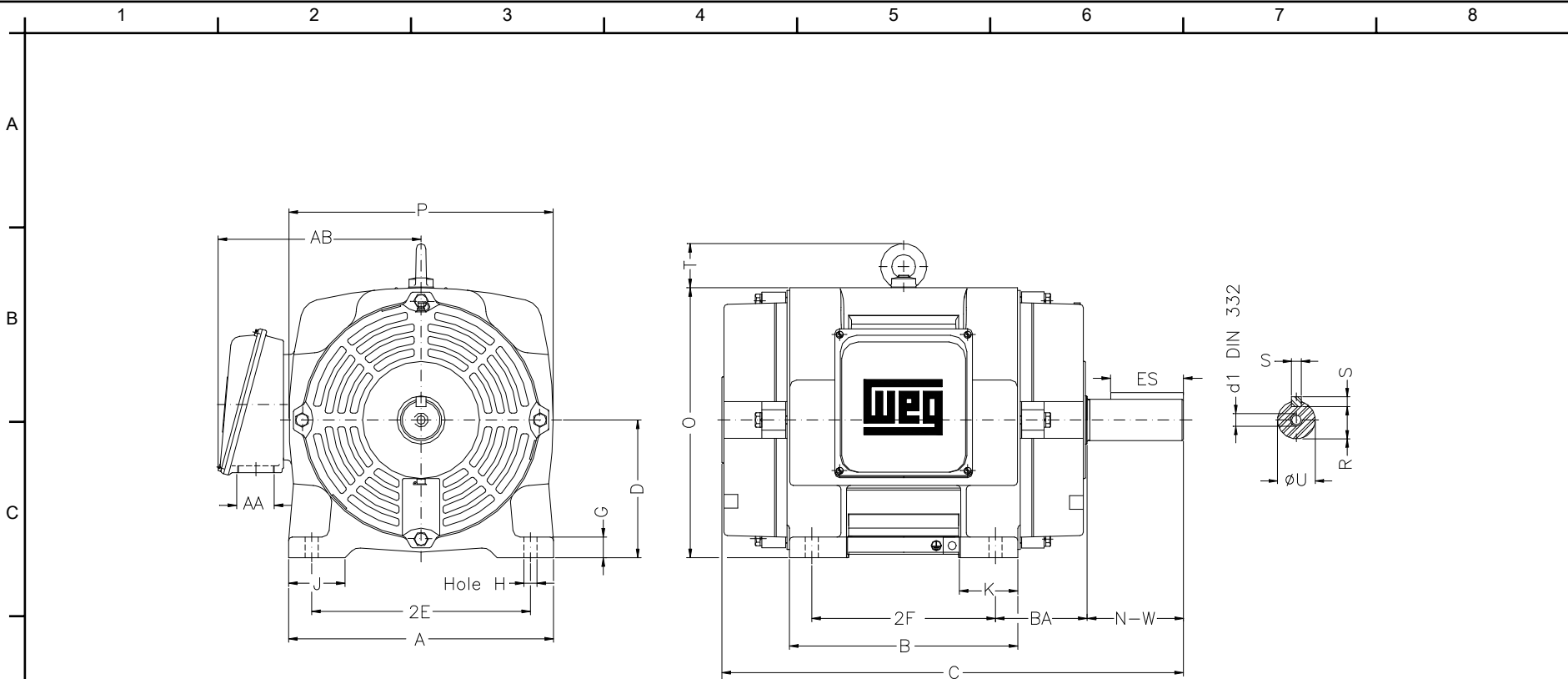
Customer :  
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame	: 326TS	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1775 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 132-120/59.9 A	Breakdown torque	: 250 %
Insulation class	: F		

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Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

2E	J	A	P	AB
12.500	3.230	15.160	15.118	11.496
2F	K	B	BA	U
12.000	3.350	14.566	5.250	1.875
d1	N-W	ES	S	R
A 4	3.750	2.756	0.500	1.594
depth	D	G	O	T
0.500	8.000	1.299	15.551	2.559
H	C	AA		
0.656	26.181	NPT 2"		

Three-phase induction motor  
 Frame 326TS - IP23

23-SEP-2016

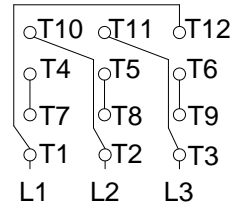
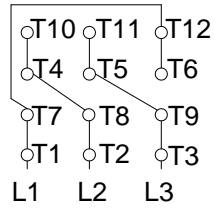


1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

LOW VOLTAGE

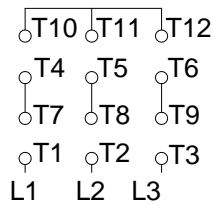
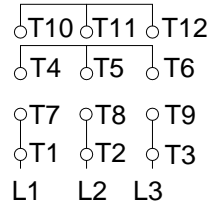
HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Customer:

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Three-phase induction motor  
Frame 326TS - IP23

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