



No.:

Date: 19-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Catalog Number : 06036OT3H326TS

List Price : \$4,581

Notes:

Performed by:

Checked:



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## DATA SHEET

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

Customer :  
Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Frame : 326TS  
Output : 60 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3555  
Slip : 1.25 %  
Voltage : 575 V  
Rated current : 56.8 A  
Locked rotor current : 352 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
No-load current : 14.4 A  
Full load torque : 87.4 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 24 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP23  
Approximate weight : 526 lb  
Moment of inertia : 4.3635 sq.ft.lb  
Noise level : 75 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 Z-C3	6212 Z-C3	100%	0.85	93.6
Regreasing interval	19658 h	20000 h	75%	0.84	93.6
Grease amount	21 g	13 g	50%	0.77	93.0

Notes:

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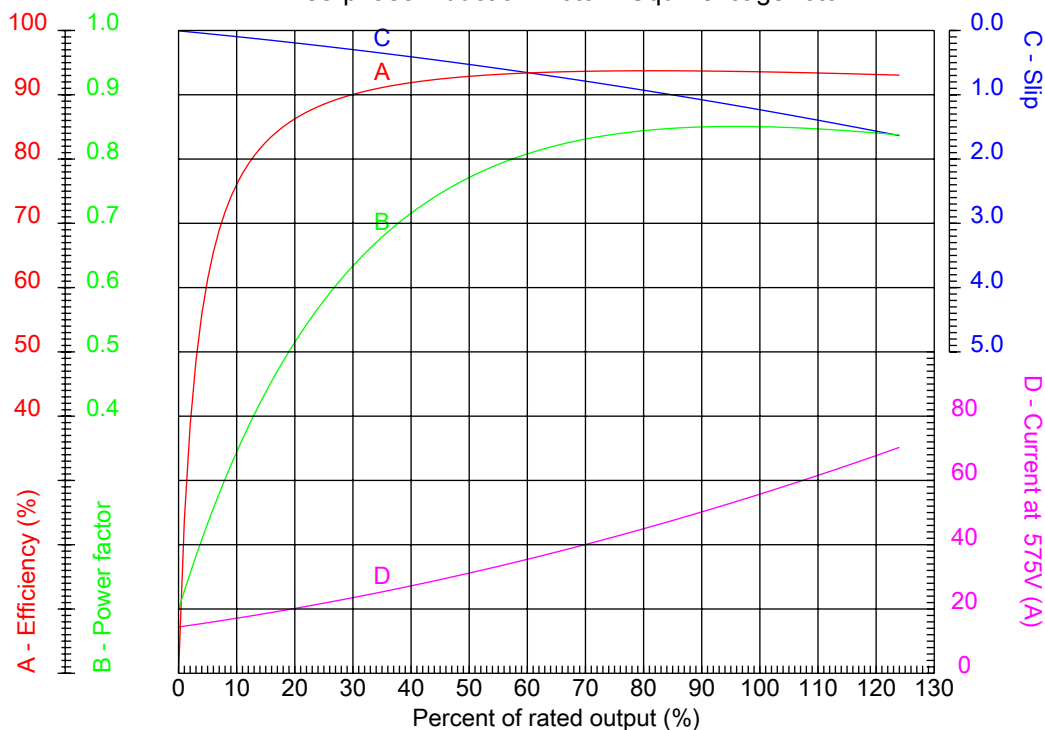


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### PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Frame : 326TS	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 6.2
Output : 60 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 3555	Design : B
Voltage : 575 V	Locked rotor torque : 200 %
Rated current : 56.8 A	Breakdown torque : 260 %
Insulation class : F	

Notes:

Performed by

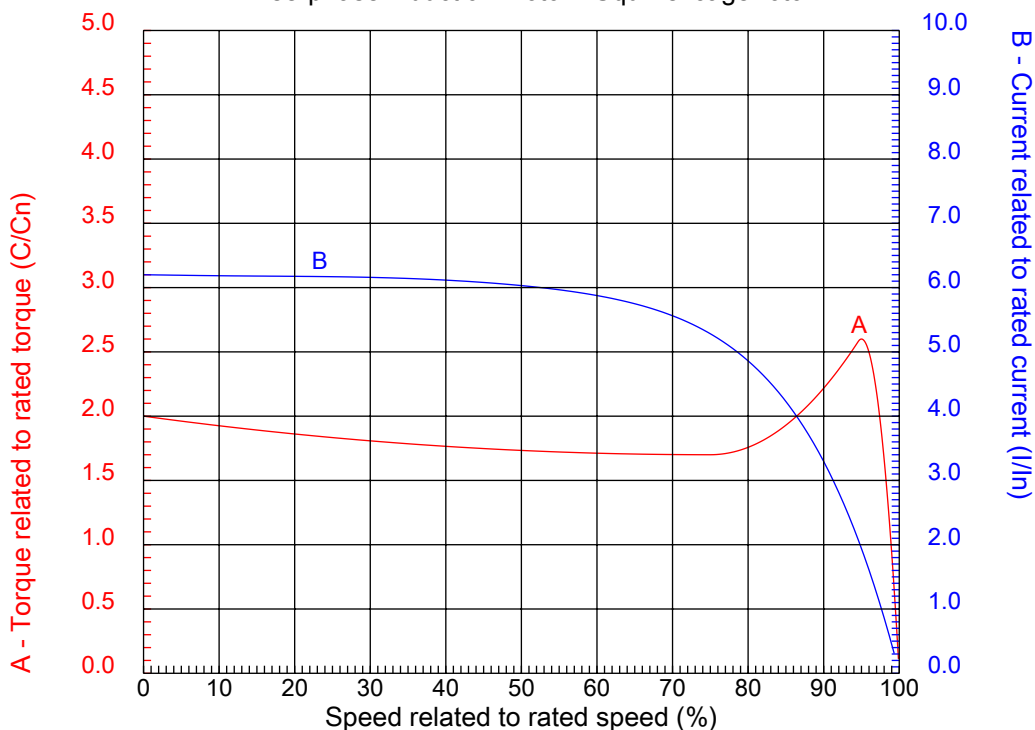
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### CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



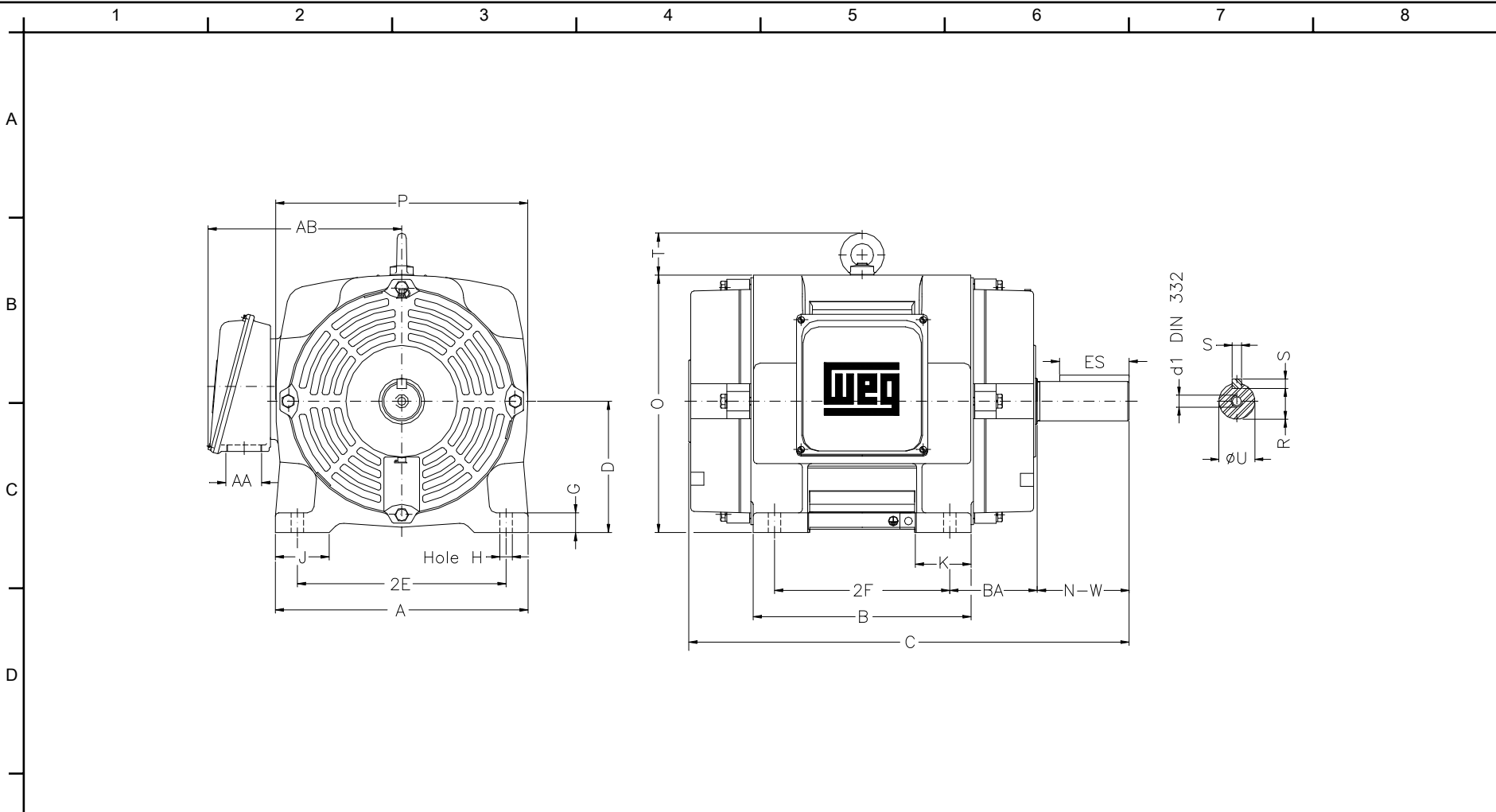
Customer :  
Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Frame	: 326TS	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.2
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3555	Design	: B
Voltage	: 575 V	Locked rotor torque	: 200 %
Rated current	: 56.8 A	Breakdown torque	: 260 %
Insulation class	: F		

Notes:

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Notes:

2E	A	2F	B	BA
12.500	15.160	12.000	14.566	5.250
J	K	P	ES	depth
3.230	3.350	15.118	2.756	0.500
S	D	N-W	G	U
0.500	8.000	3.750	1.299	1.875
O	T	HD	R	H
15.551	2.559	18.110	1.594	0.656
AB	C	AA	d1	d2
11.496	26.181	NPT 2"	A 4	A 4
Flange	AJ	AK	BD	BF
FD-406	16.000	14.000	18.000	0.828
BB				
0.250				

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Customer:

Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Three-phase induction motor  
Frame 326TS - IP23

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