



No.:

Date: 27-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Catalog Number : 05018OP3V326JPV

List Price : \$4,500

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Frame : 326JP
Output : 50 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1770
Slip : 1.67 %
Voltage : 200/400 V
Rated current : 138/69.2 A
Locked rotor current : 775/388 A
Locked rotor current (I_L/I_n) : 5.6
No-load current : 52.9/26.5 A
Full load torque : 146 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 210 %
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
Degree of Protection : IP23
Approximate weight : 538 lb
Moment of inertia : 5.7265 sq.ft.lb
Noise level : 65 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 Z-C3	6212 Z-C3	100%	0.83	93.0
Regreasing interval	10000 h	10000 h	75%	0.80	93.0
Grease amount	21 g	13 g	50%	0.70	92.4

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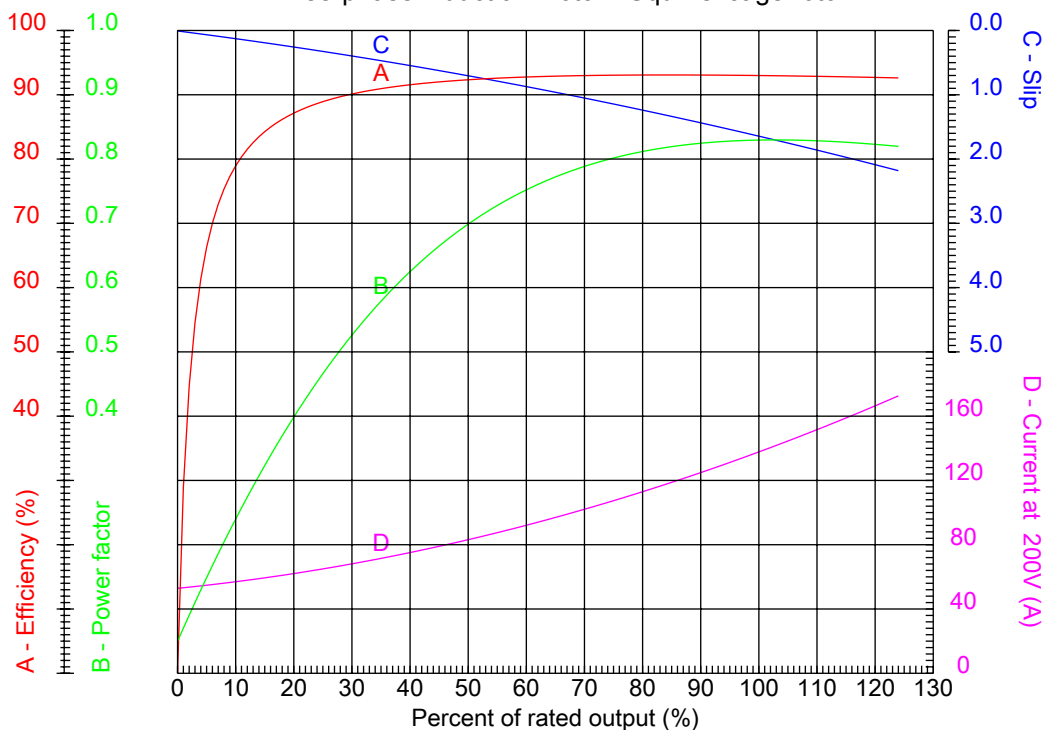


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Frame	: 326JP	Locked rotor current (I _l /I _n)	: 5.6
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1770	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 200 %
Rated current	: 138/69.2 A	Breakdown torque	: 210 %
Insulation class	: F		

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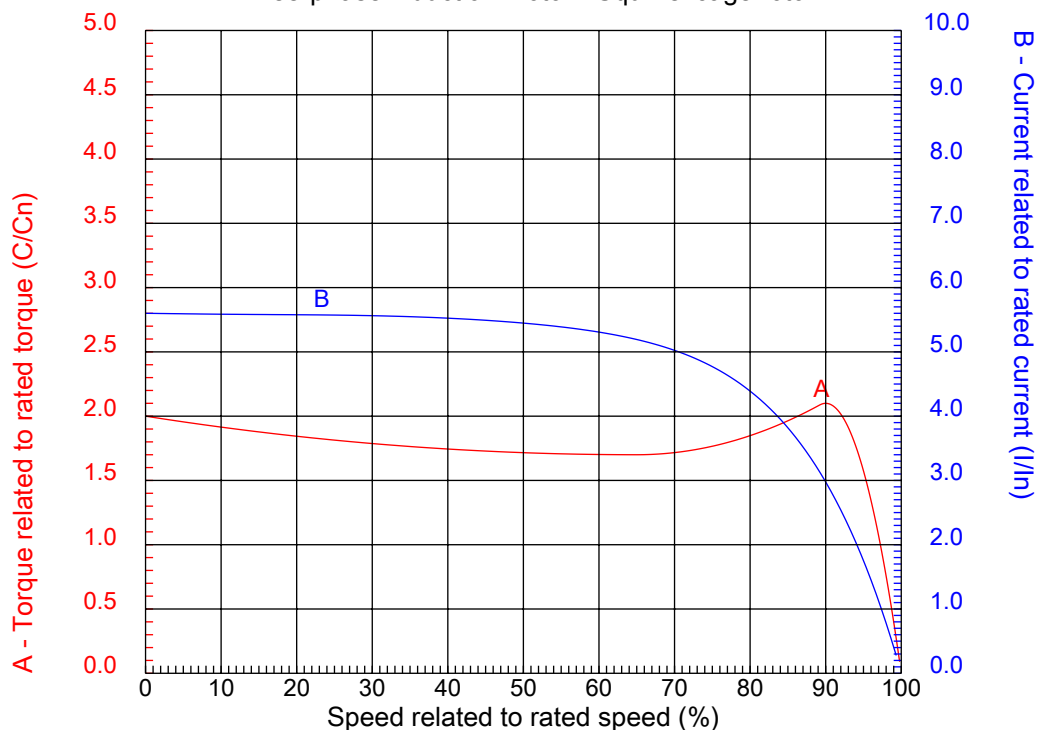


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



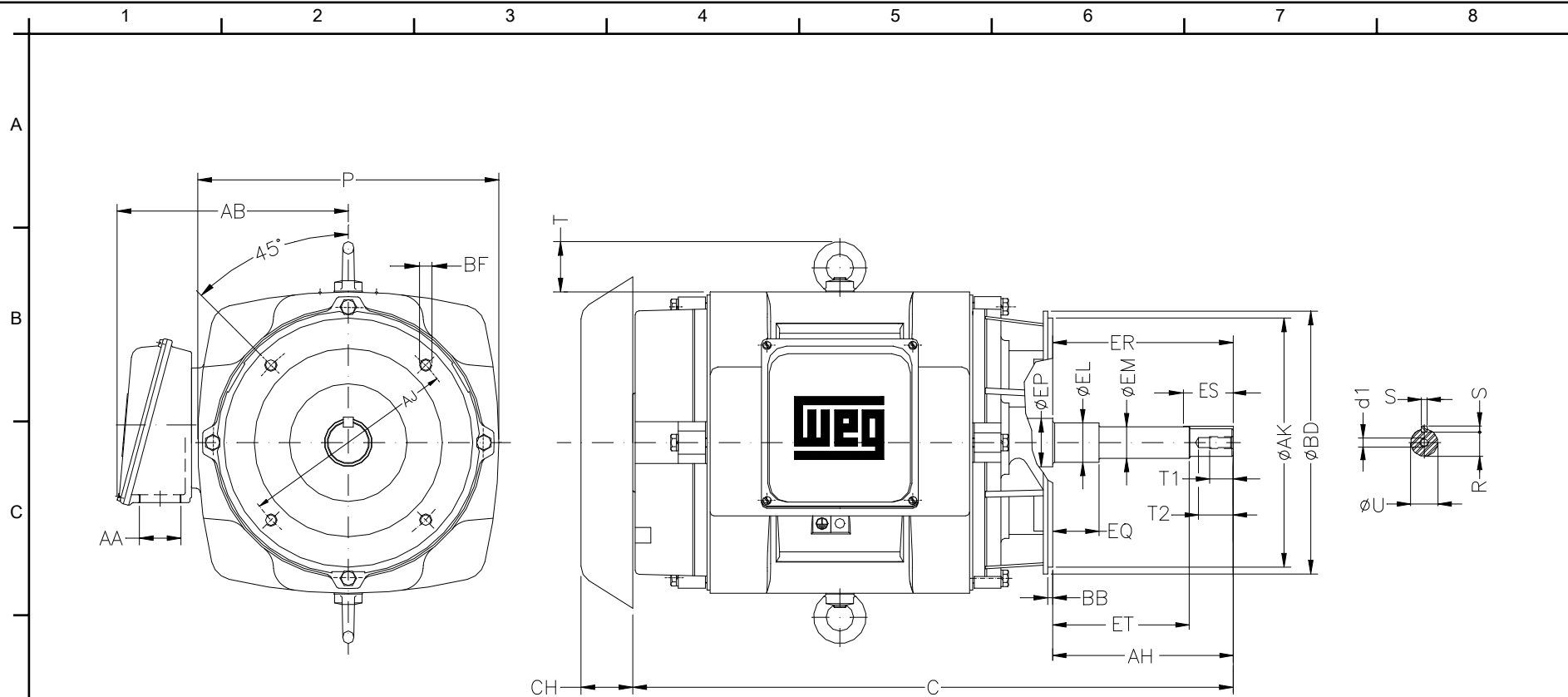
Customer :
Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Frame	: 326JP	Locked rotor current (I _l /I _{ln})	: 5.6
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1770	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 200 %
Rated current	: 138/69.2 A	Breakdown torque	: 210 %
Insulation class	: F		

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Customer:

Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Three-phase induction motor
Frame 326JP - IP23

27-DEC-2012



P	AA	ER	EQ	ET
15.118	NPT 2"	8.130	2.382	5.886
U	EM	EL	S	EP
1.249	1.375	1.750	0.250	2.360
R	ES	d1	t1	t2
1.110	2.559	EUNC 1/2"-13	0.984	1.102
C	Flange	AJ	AK	BD
30.807	FC-279	11.000	12.500	13.189
BF	BB	BC	AH	
UNC 5/8"x11	0.250		8.130	