



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 - Vertical Motors

Catalog Number : 04036OP3V286JPV

List Price : \$3,611

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 - Vertical Motors

Frame : 286JP
 Output : 40 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3535
 Slip : 1.81 %
 Voltage : 200/400 V
 Rated current : 106/53.0 A
 Locked rotor current : 668/334 A
 Locked rotor current (I_L/I_n) : 6.3
 No-load current : 27.1/13.6 A
 Full load torque : 58.6 lb.ft
 Locked rotor torque : 190 %
 Breakdown torque : 260 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 16 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000
 Degree of Protection : IP23
 Approximate weight : 417 lb
 Moment of inertia : 2.1552 sq.ft.lb
 Noise level : 73 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6311 Z-C3	6211 Z-C3	100%	0.89	91.7
Regreasing interval	10000 h	10000 h	75%	0.87	91.7
Grease amount	18 g	11 g	50%	0.81	91.7

Notes:

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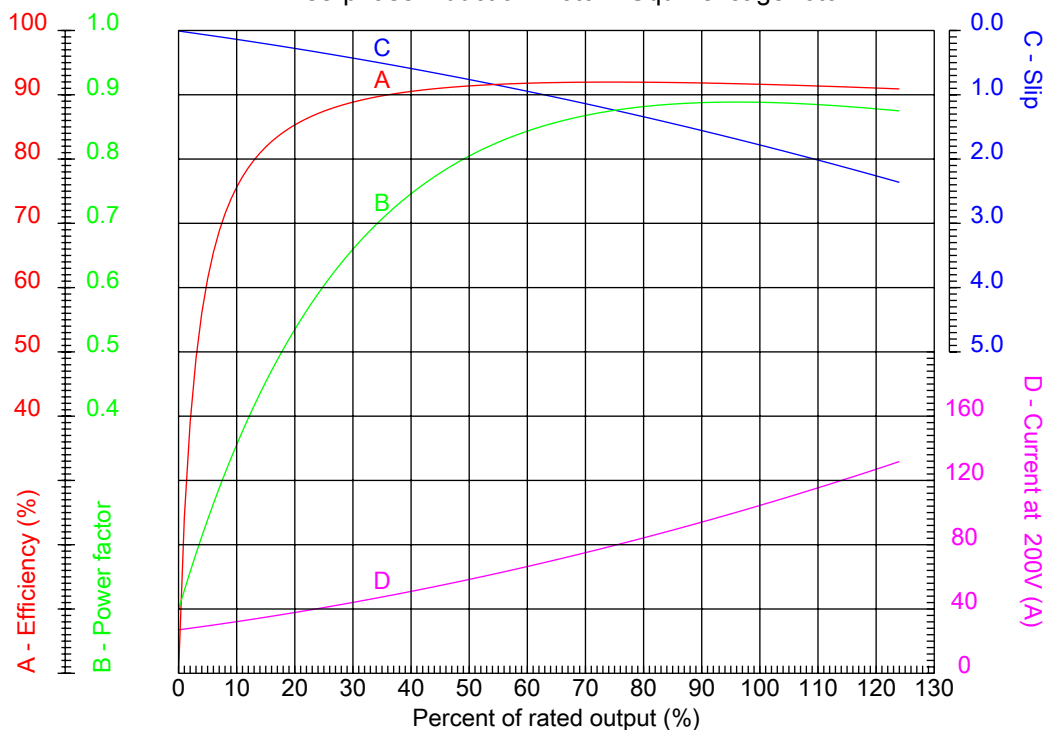
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PERFORMANCE CURVES RELATED TO RATED OUTPUT
Three-phase induction motor - Squirrel cage rotor



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

Frame	: 286JP	Locked rotor current (I _l /I _n)	: 6.3
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3535	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 190 %
Rated current	: 106/53.0 A	Breakdown torque	: 260 %
Insulation class	: F		

Notes:

Performed by

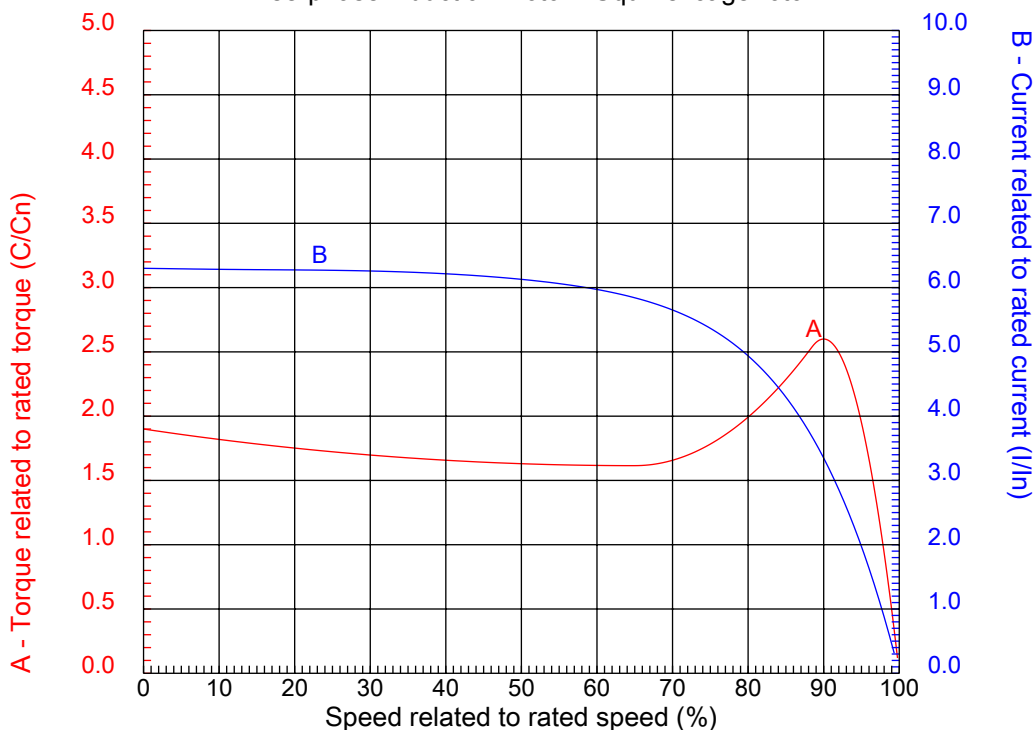
Checked



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



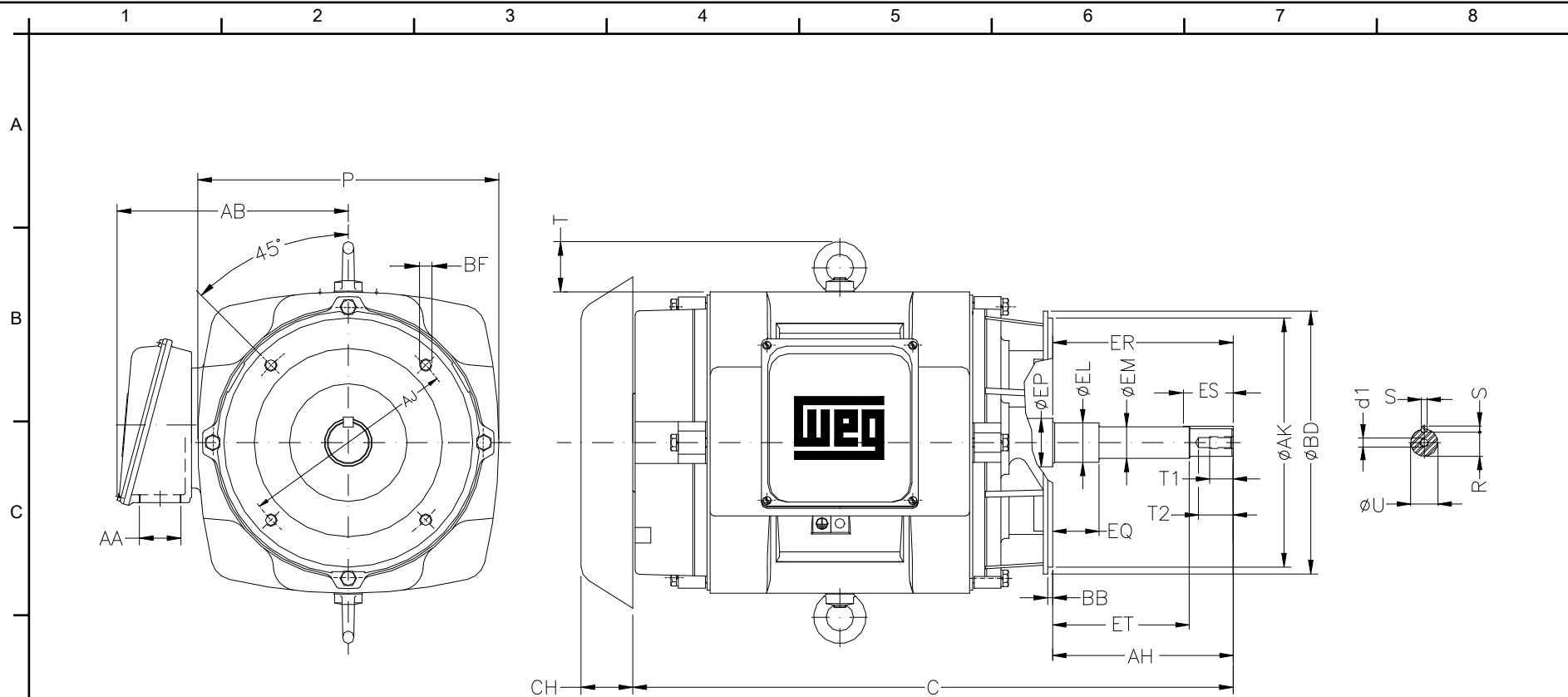
Customer :
Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency - Vertical Motors

Frame	: 286JP	Locked rotor current (I _l /I _n)	: 6.3
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3535	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 190 %
Rated current	: 106/53.0 A	Breakdown torque	: 260 %
Insulation class	: F		

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Customer:

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

Three-phase induction motor
Frame 286JP - IP23

27-DEC-2012



P	AA	ER	EQ	ET
13.700	NPT 1 1/2"	8.130	2.382	5.886
U	EM	EL	S	EP
1.249	1.375	1.750	0.250	2.163
R	ES	d1	t1	t2
1.110	2.559	EUNC 1/2"-13	0.984	1.496
C	Flange	AJ	AK	BD
28.634	FC-279	11.000	12.500	14.000
BF	BB	BC	AH	
UNC 5/8"x11	0.250		8.130	