



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 : 10036OP3G365JP

List Price : \$7,005

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 : 365JP  
Output : 100 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3560  
Slip : 1.11 %  
Voltage : 460 V  
Rated current : 118 A  
Locked rotor current : 743 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.3  
No-load current : 34.0 A  
Full load torque : 146 lb.ft  
Locked rotor torque : 190 %  
Breakdown torque : 270 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 13 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP23  
Approximate weight : 825 lb  
Moment of inertia : 7.8750 sq.ft.lb  
Noise level : 83 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.86	93.0
Regreasing interval	14418 h	14418 h	75%	0.84	93.0
Grease amount	27 g	27 g	50%	0.82	93.0

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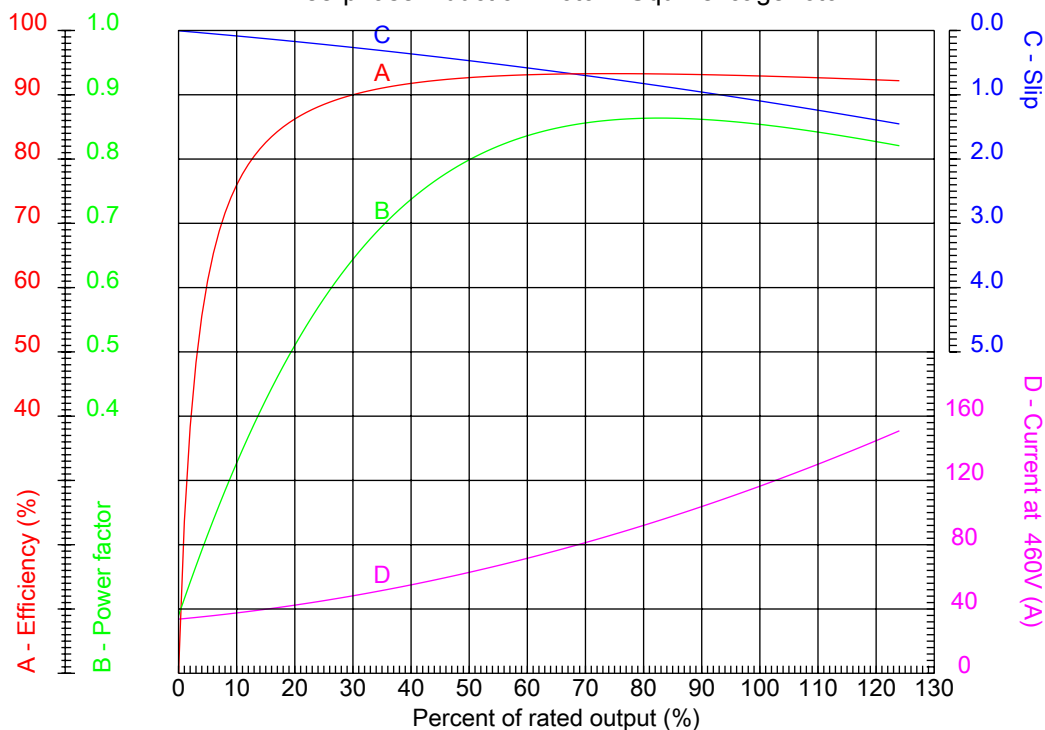


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 365JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 100 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3560	Design	: B
Voltage	: 460 V	Locked rotor torque	: 190 %
Rated current	: 118 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

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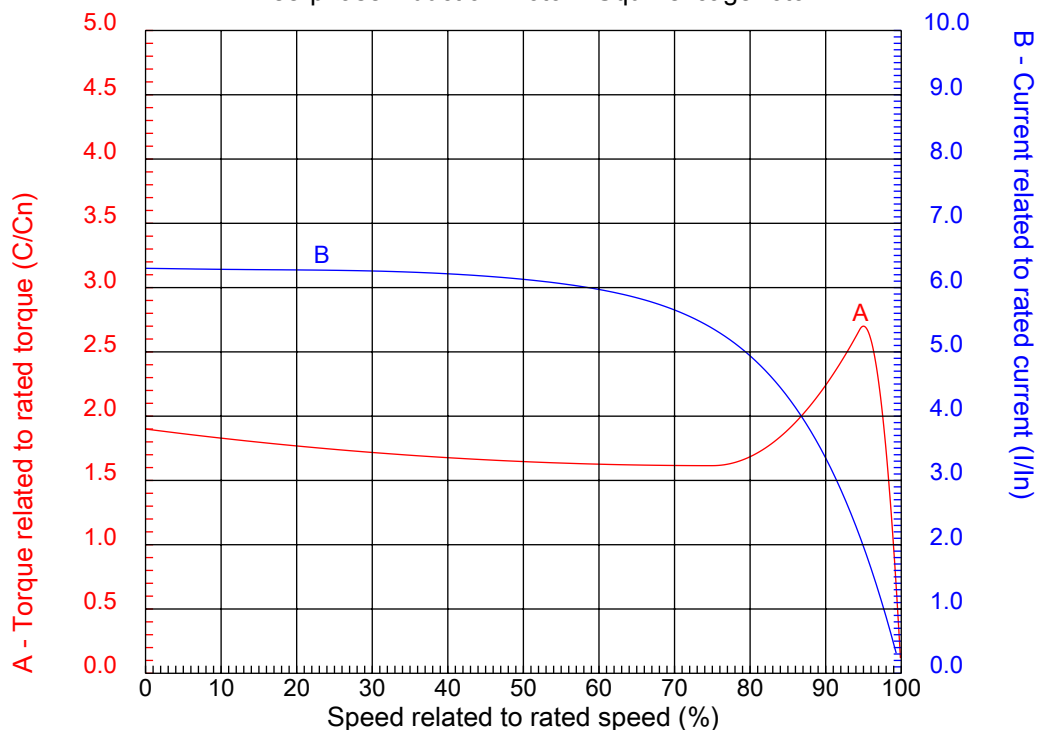


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### CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 365JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 100 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3560	Design	: B
Voltage	: 460 V	Locked rotor torque	: 190 %
Rated current	: 118 A	Breakdown torque	: 270 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

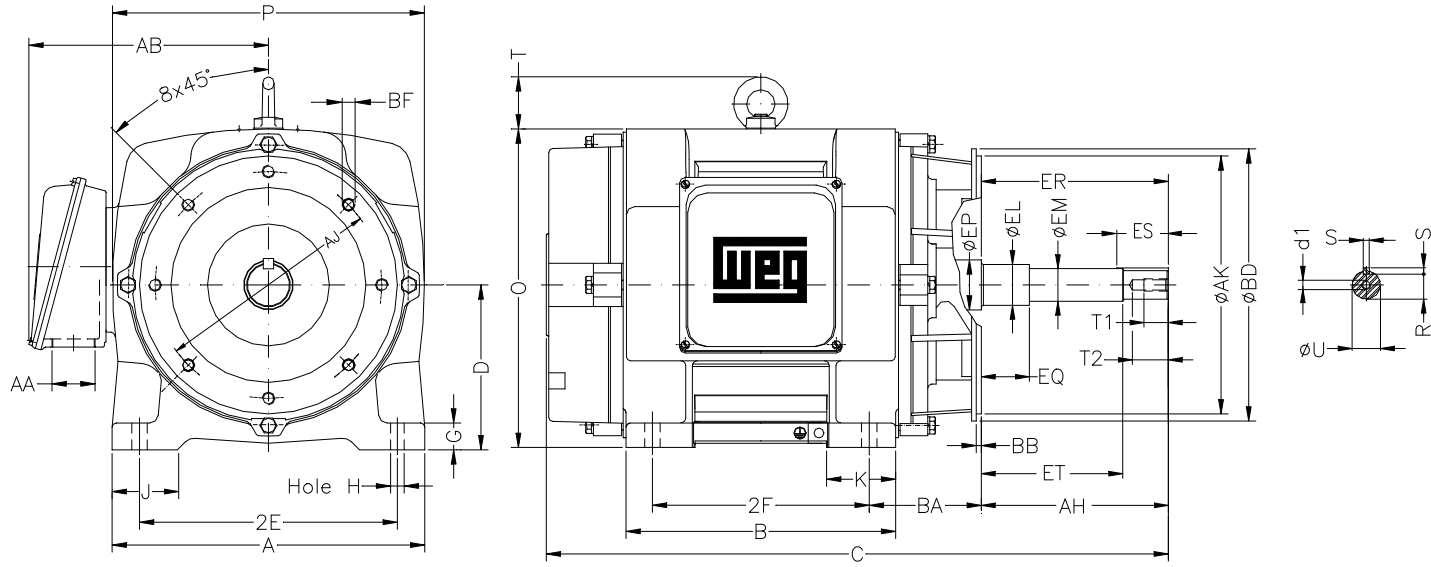
B

C

D

E

F



Notes:

2E	A	2F	B	J
14.000	17.170	11.250/12.250	15.400	3.150
BA	D	K	G	O
5.875	9.000	4.140	1.480	18.425
P	T	HD	H	AA
17.874	2.795	21.220	0.657	NPT 3"
ER	EQ	ET	U	EM
8.130	2.382	5.886	1.624	1.750
EL	S	EP	R	ES
2.125	0.375	2.756	1.413	2.480
d1	t1	t2	C	Flange
EUNC 1/2"-13	0.984	1.496	32.019	FC-279
AJ	AK	BD	BF	BB
11.000	12.500	13.189	UNC 5/8"x11	0.250
BC	AH			
	8.130			

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Customer:

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

Three-phase induction motor  
Frame 365JP - IP23

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