



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 : 02536OP3E256JP

List Price : \$2,243

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 : 256JP
Output : 25 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3530
Slip : 1.94 %
Voltage : 208-230/460 V
Rated current : 64.8-58.6/29.3 A
Locked rotor current : 352/176 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 18.8/9.40 A
Full load torque : 36.7 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 10 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP23
Approximate weight : 225 lb
Moment of inertia : 0.97744 sq.ft.lb
Noise level : 67 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6309 Z-C3	6209 Z-C3	100%	0.87	91.0
Regreasing interval	20000 h	20000 h	75%	0.84	91.0
Grease amount	13 g	9 g	50%	0.76	90.2

Notes:

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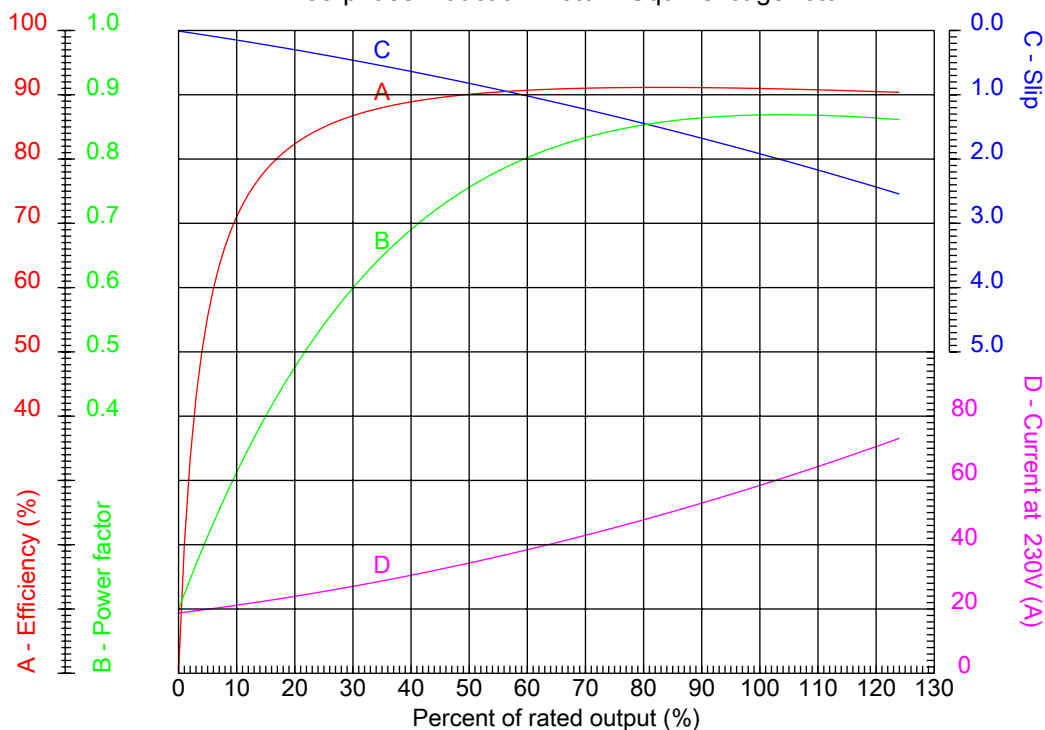


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 256JP	Locked rotor current (I _l /I _n)	: 6.0
Output	: 25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3530	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 64.8-58.6/29.3 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:

Performed by

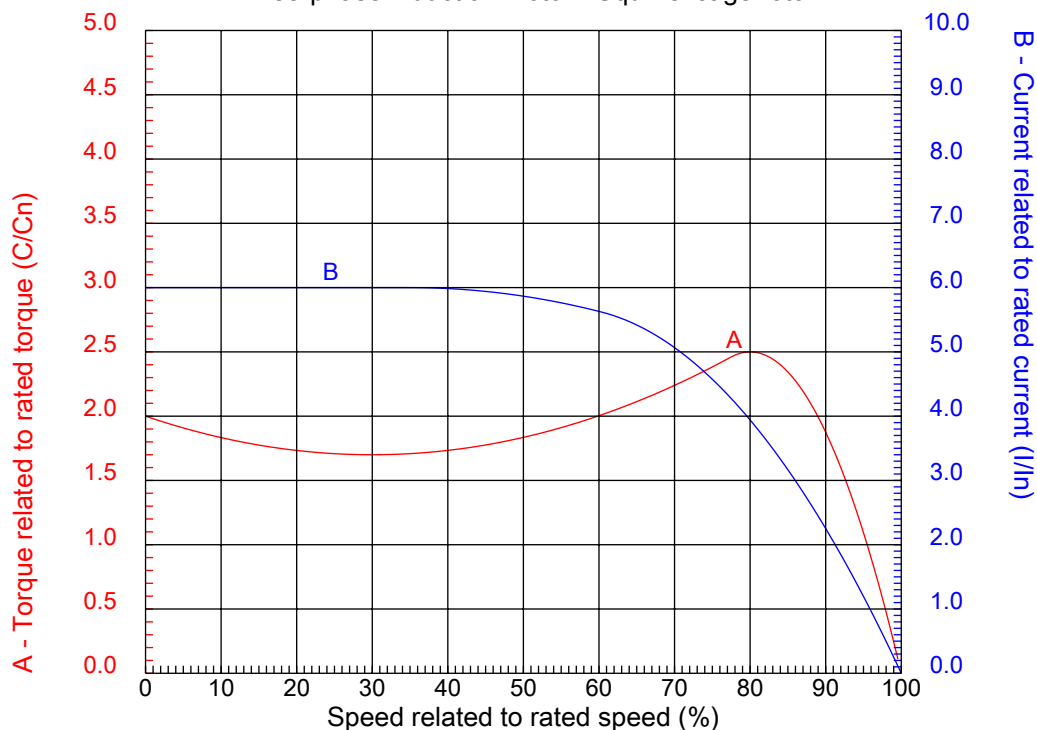
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CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



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

Frame	: 256JP	Locked rotor current (I _l /I _{ln})	: 6.0
Output	: 25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3530	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 64.8-58.6/29.3 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:

Performed by

Checked

1 2 3 4 5 6 7 8

A

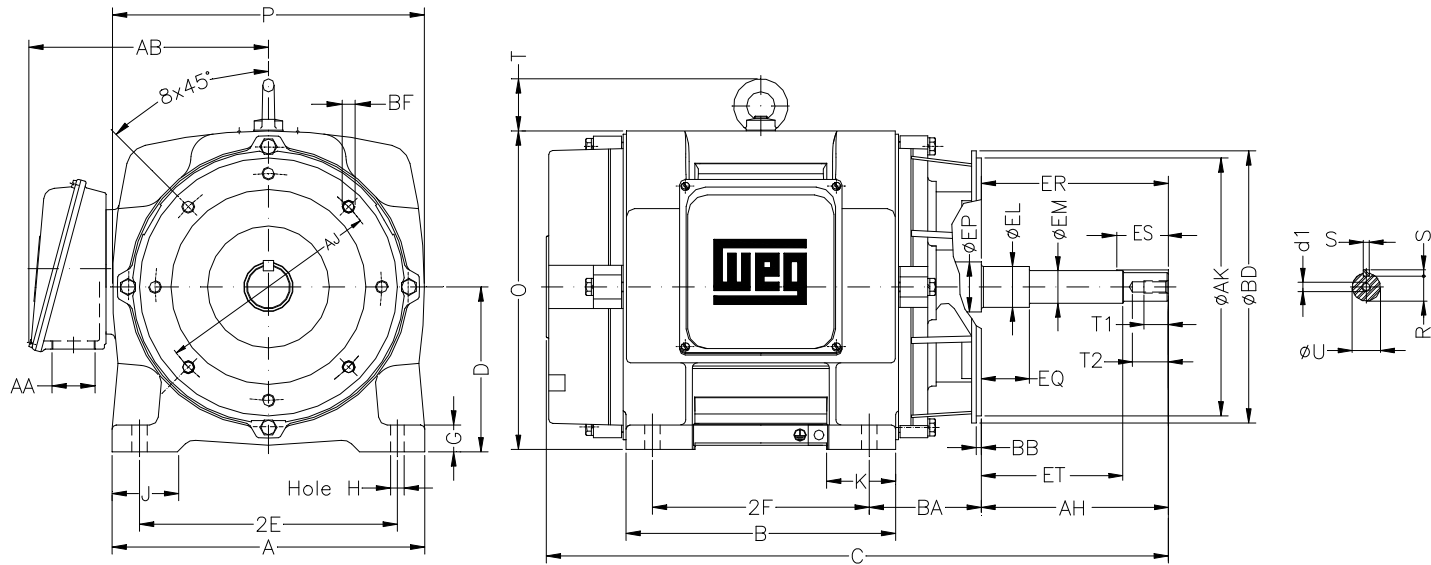
B

C

D

E

F



Notes:

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Customer:

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

Three-phase induction motor
Frame 256JP - IP23

27-DEC-2012



2E	A	2F	B	J
10.000	12.130	10.000	11.732	2.520
BA	D	K	G	O
4.500	6.220	2.560	0.787	12.204
P	T	HD	H	AA
11.812	2.165	14.369	0.531	NPT 1 1/2"
ER	EQ	ET	U	EM
8.130	2.382	5.886	1.249	1.375
EL	S	EP	R	ES
1.750	0.250	1.770	1.110	2.559
d1	t1	t2	C	Flange
EUNC 1/2"-13	0.984	1.496	26.782	FC-184
AJ	AK	BD	BF	BB
7.250	8.500	8.858	UNC 1/2"x13	0.250
BC	AH			
	8.130			