



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - High Efficiency

Catalog Number : 00118EP3E143JP-W22

List Price : \$>(discontinued)

Notes:

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Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - High Efficiency

Frame : 143JP
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1770 rpm
 Slip : 1.67 %
 Voltage : 230/460 V
 Rated current : 3.30/1.65 A
 Locked rotor current : 28.4/14.2 A
 Locked rotor current (I_L/I_n) : 8.6
 No-load current : 2.64/1.32 A
 Full load torque : 2.93 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 350 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 13 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 37 lb
 Moment of inertia : 0.09112 sq.ft.lb
 Noise level : 51 dB(A)

	D.E.	N.D.E.
Bearings	6206 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.69	82.5
75%	0.60	82.5
50%	0.48	78.5

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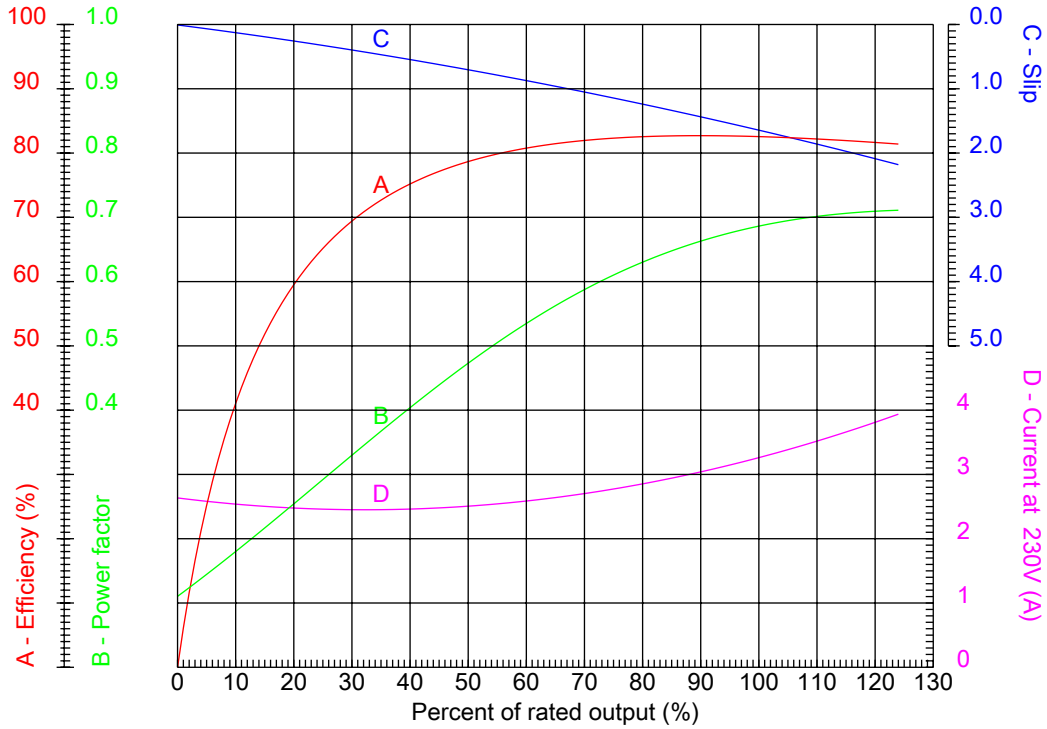
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - High Efficiency

Frame	: 143JP	Locked rotor current (I _l /I _n)	: 8.6
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1770 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 280 %
Rated current	: 3.30/1.65 A	Breakdown torque	: 350 %
Insulation class	: F		

Notes:
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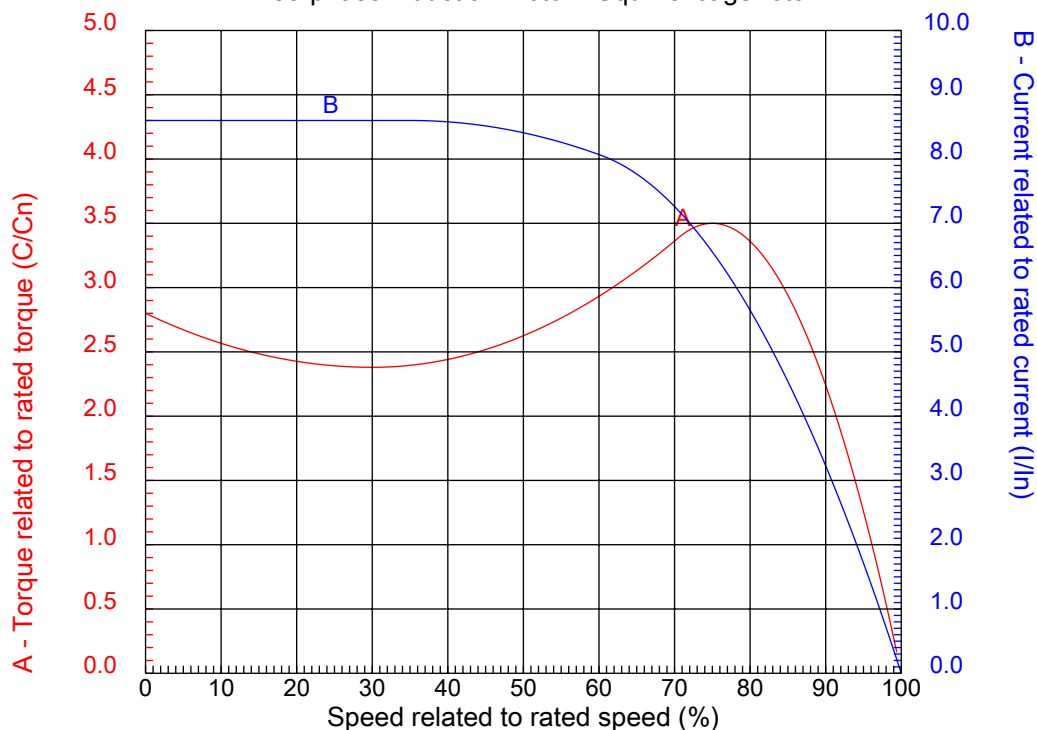
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



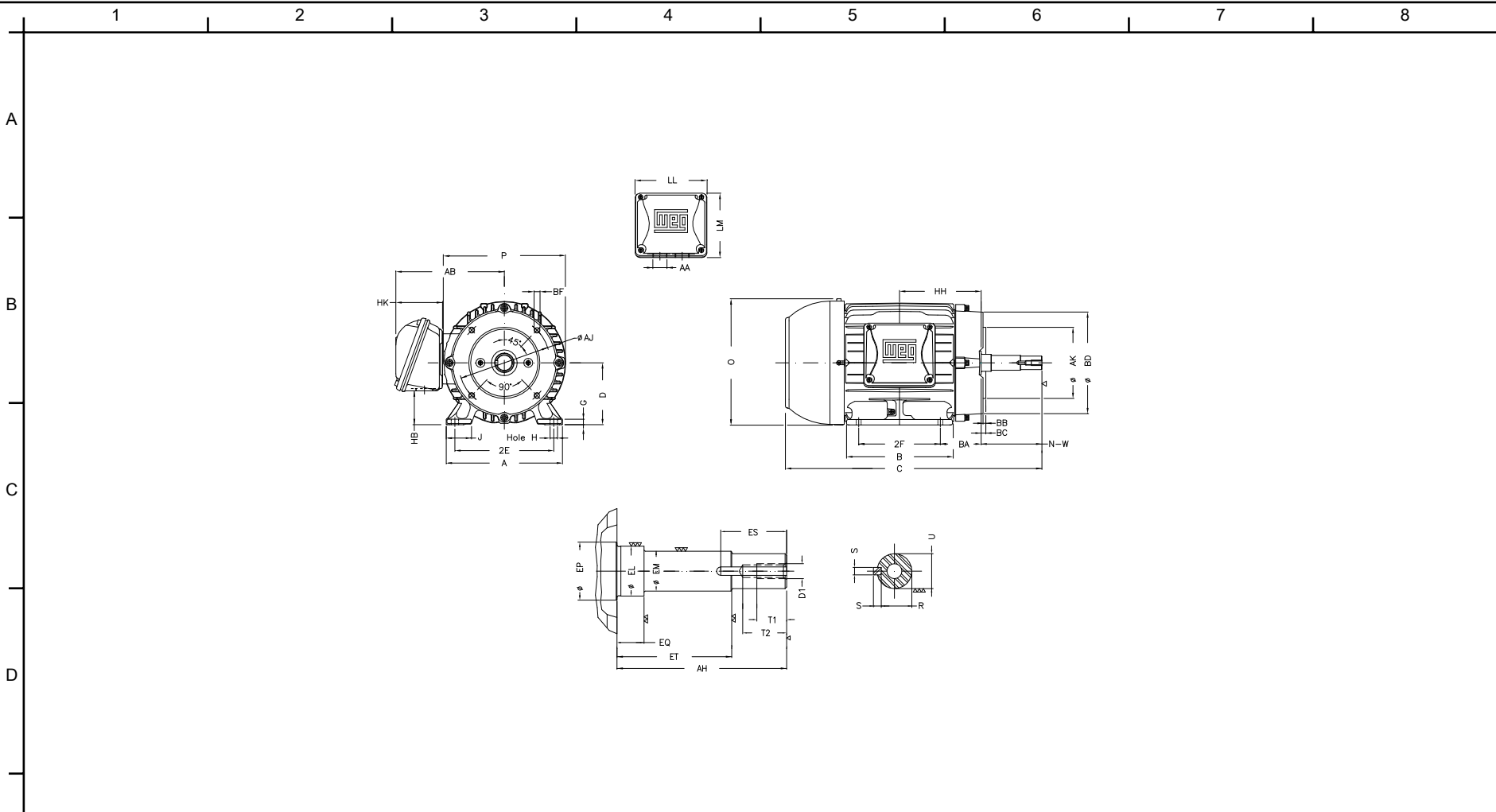
Customer :
Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - High Efficiency

Frame	: 143JP	Locked rotor current (I _l /I _n)	: 8.6
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1770 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 280 %
Rated current	: 3.30/1.65 A	Breakdown torque	: 350 %
Insulation class	: F		

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E	2E	J	A	P	AB
	5.500	1.437	6.457	7.047	6.260
F	2F	B	BA	D	G
	4.000	5.157	2.560	3.500	0.354
F	O	H	AA	EQ	ET
	7.122	0.344	NPT 3/4"	1.563	5.941
F	U	EM	EL	EP	ES
	0.874	1.000	1.156	1.179	1.654
F	t1	t2	C	d1	HH
	0.748	1.102	17.752	EUNC 3/8"-16	4.250
F	HK	HB	LL	LM	S
	2.638	1.787	4.528	4.094	0.187
F	R	Flange	AJ	AK	BD
	0.768	FC-149	5.874	4.500	6.496
F	BF	BB	AH		
	UNC 3/8"x16	0.157	7.319		

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Customer:

Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - High Efficiency

Three-phase induction motor
 Frame 143JP - IP55

12-SEP-2016



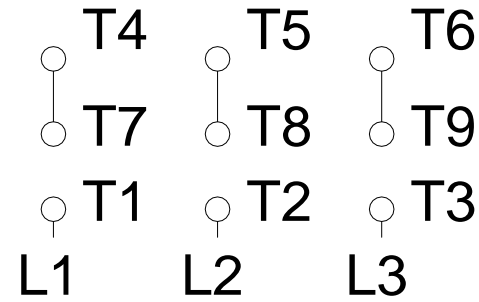
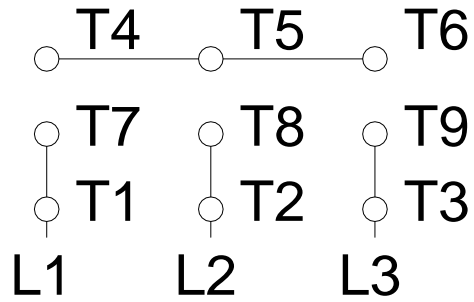
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A

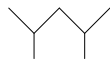
LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - High Efficiency

Three-phase induction motor
 Frame 143JP - IP55

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