



No.:

Date: 27-FEB-2018

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Catalog Number : 00336ET3E145JM-W22

List Price : \$764

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 - W22 "JM" Type - TEFC - NEMA Premium

Frame : 143/5JM
Output : 3 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3460 rpm
Slip : 3.89 %
Voltage : 208-230/460 V
Rated current : 8.20-7.42/3.71 A
Locked rotor current : 60.1/30.1 A
Locked rotor current (I_L/I_N) : 8.1
No-load current : 2.60/1.30 A
Full load torque : 4.49 lb.ft
Locked rotor torque : 330 %
Breakdown torque : 360 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 14 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 52 lb
Moment of inertia : 0.06051 sq.ft.lb
Noise level : 68 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.86	86.5
75%	0.81	86.5
50%	0.70	85.5

Notes:

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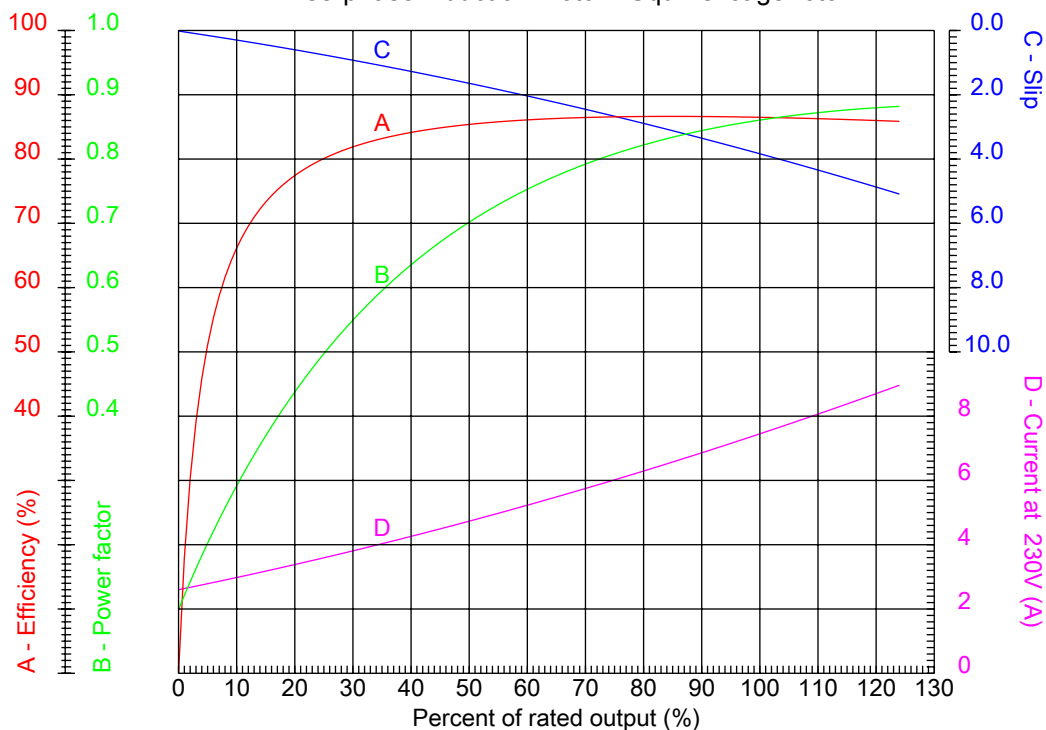


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Frame	: 143/5JM	Locked rotor current (I _L /I _n)	: 8.1
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3460 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 330 %
Rated current	: 8.20-7.42/3.71 A	Breakdown torque	: 360 %
Insulation class	: F		

Notes:

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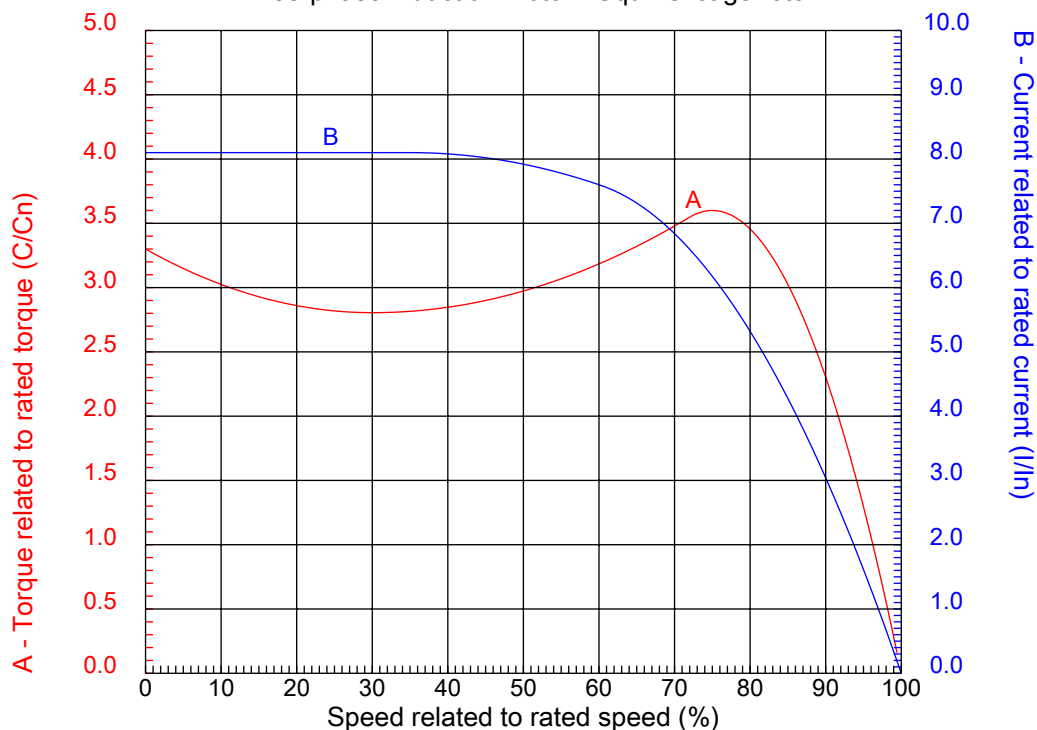


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



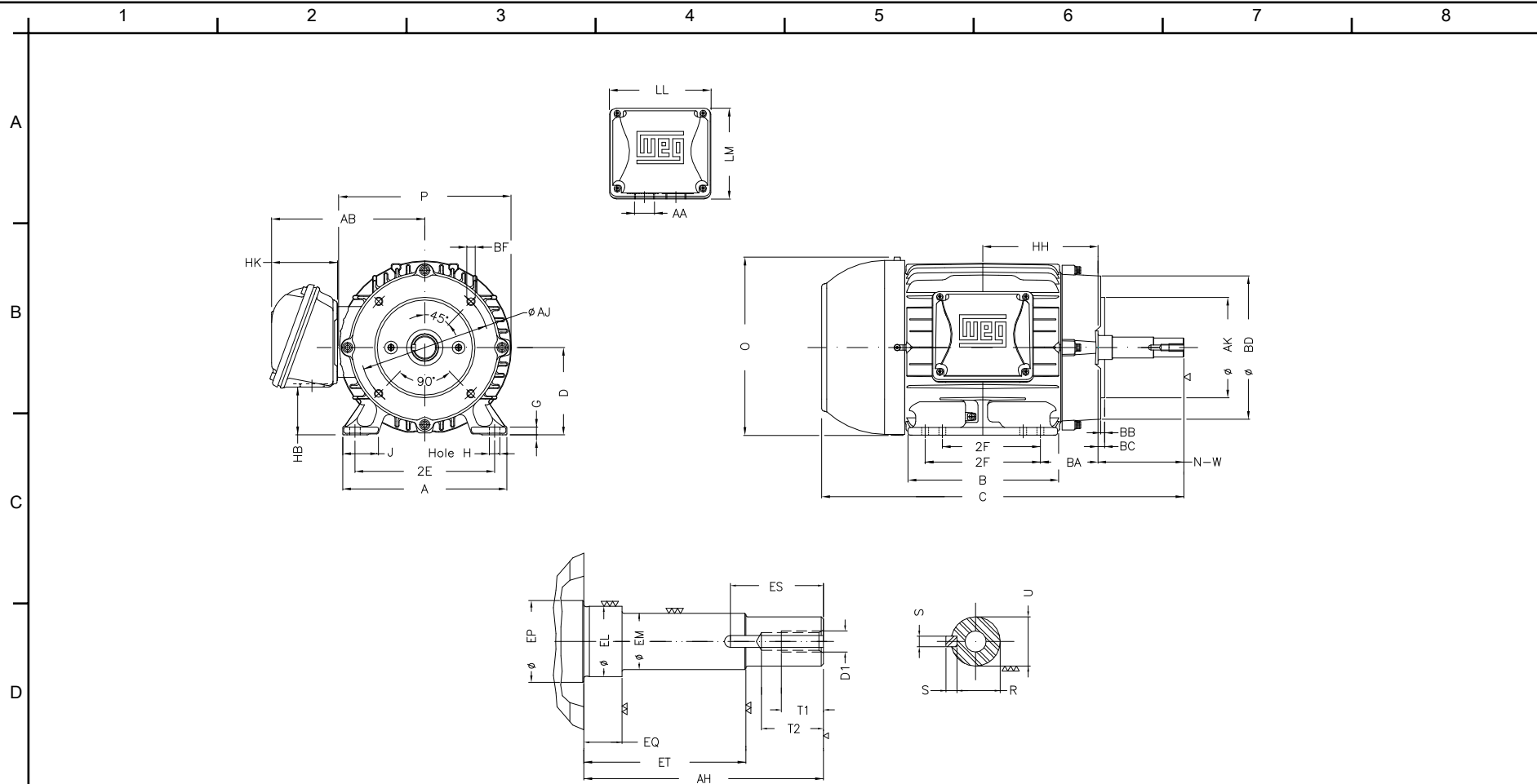
Customer :
Product line : Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Frame	: 143/5JM	Locked rotor current (I _L /I _n)	: 8.1
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3460 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 330 %
Rated current	: 8.20-7.42/3.71 A	Breakdown torque	: 360 %
Insulation class	: F		

Notes:

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Notes:				
2E 5.500	J 1.437	A 6.457	P 7.047	AB 6.260
2F 4.000/5.000	B 6.142	BA 2.560	D 3.500	G 0.354
O 7.122	H 0.344	AA NPT 3/4"	EQ 0.630	ET 2.880
U 0.874	EM 1.000	EL 1.156	EP 1.179	ES 1.654
t1 0.748	t2 1.102	C 15.675	d1 EUNC 3/8"-16	HH 4.750
HK 2.638	HB 1.787	LL 4.528	LM 4.094	S 0.187
R 0.767	Flange FC-149	AJ 5.874	AK 4.500	BD 6.496
BF UNC 3/8"x16	BB 0.157	AH 4.258		
Three-phase induction motor Frame 143/5JM - IP55				27-FEB-2018

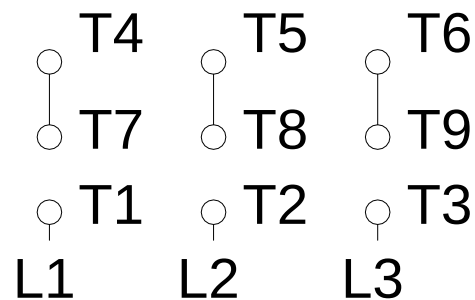
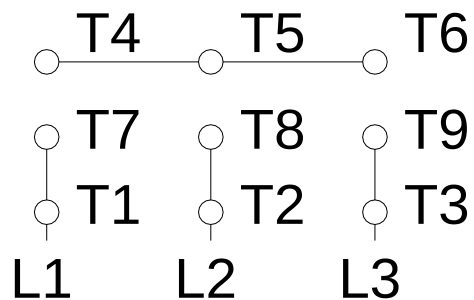
1 2 3 4 5 6 7 8

A

LOW VOLTAGE

HIGH VOLTAGE

B



C

D

E

F

Notes:

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Customer:

Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Three-phase induction motor
Frame 143/5JM - IP55

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