



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

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

Catalog Number : 07518OP3G365JM

List Price : \$5,989

Notes:

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

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

Frame : 365JM
 Output : 75 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1780 rpm
 Slip : 1.11 %
 Voltage : 460 V
 Rated current : 85.3 A
 Locked rotor current : 537 A
 Locked rotor current (I_L/I_n) : 6.3
 No-load current : 27.0 A
 Full load torque : 218 lb.ft
 Locked rotor torque : 240 %
 Breakdown torque : 280 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 17 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 825 lb
 Moment of inertia : 16.193 sq.ft.lb
 Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.86	94.1
75%	0.82	94.1
50%	0.74	93.6

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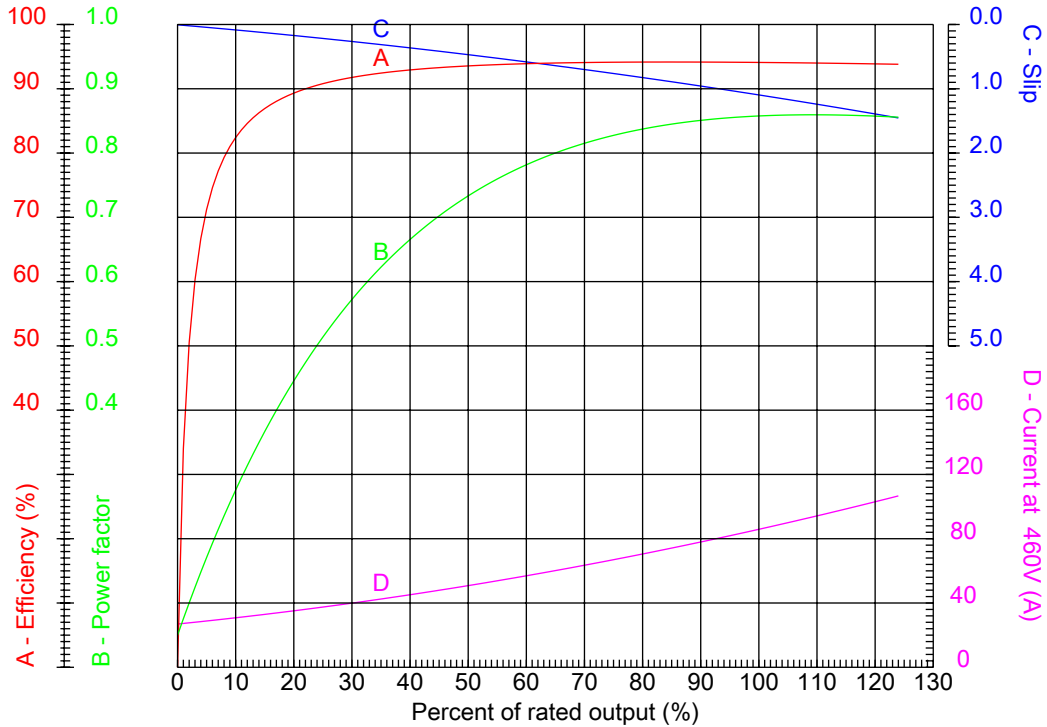
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 365JM	Locked rotor current (I _l /I _n)	: 6.3
Output	: 75 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 460 V	Locked rotor torque	: 240 %
Rated current	: 85.3 A	Breakdown torque	: 280 %
Insulation class	: F		

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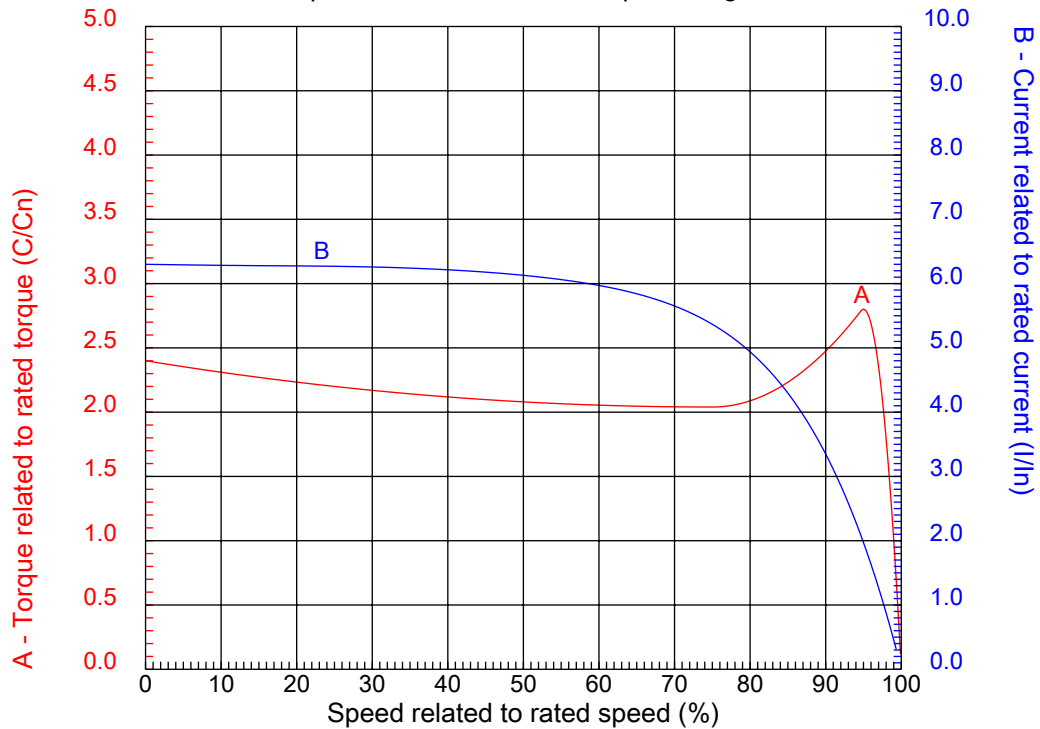
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



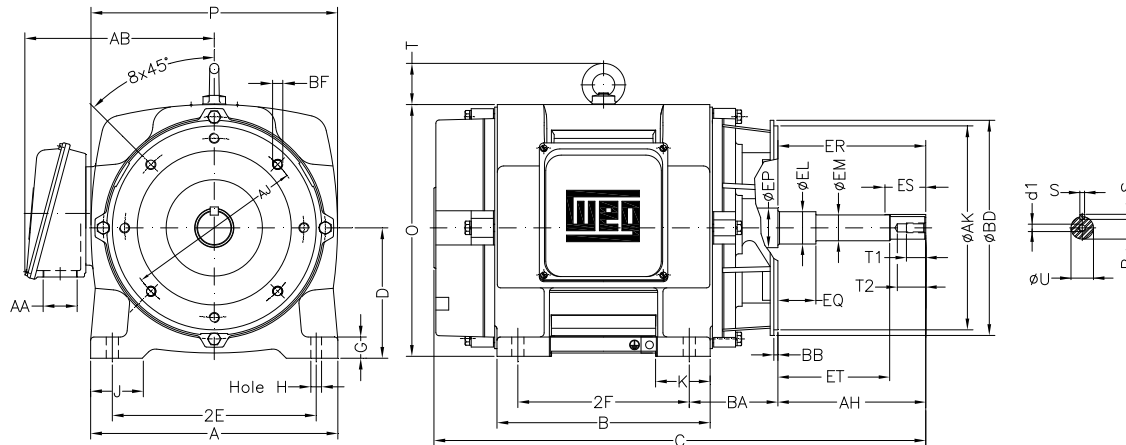
Customer :
Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - High Efficiency

Frame	: 365JM	Locked rotor current (I _l /I _n)	: 6.3
Output	: 75 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 460 V	Locked rotor torque	: 240 %
Rated current	: 85.3 A	Breakdown torque	: 280 %
Insulation class	: F		

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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	AB	H	AA
17.874	2.795	16.378	0.657	NPT 3"
ER	EQ	ET	U	EM
5.250	0.630	3.006	1.249	1.375
EL	S	EP	R	ES
1.750	0.250	2.754	1.110	2.480
d1	t1	t2	C	Flange
EUNC 1/2"-13	0.984	1.496	29.139	FC-279
AJ	AK	BD	BF	BB
11.000	12.500	13.189	UNC 5/8"x11	0.250
AH				
5.250				

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Customer:

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

Three-phase induction motor
Frame 365JM - IP23

27-SEP-2016



1 2 3 4 5 6 7 8

A

PART-WINDING

WYE-DELTA

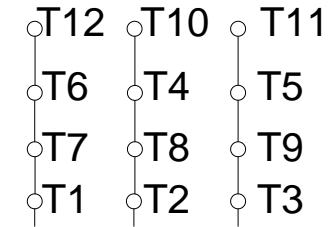
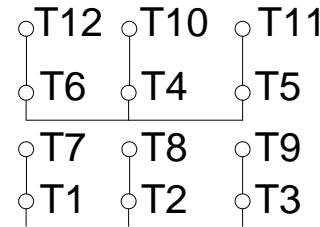
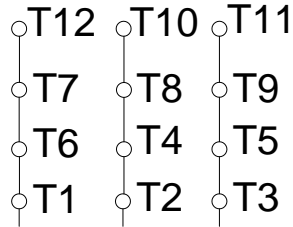
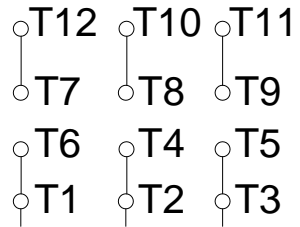
START

RUN

START

RUN

B



C

L1 L2 L3

L1 L2 L3

L1 L2 L3

L1 L2 L3

D

E

F

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