



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 - W22 "JP" Type - TEFC - High Efficiency

Catalog Number : 07518EP3E365JP-W22

List Price : \$>(discontinued)</span>

Notes:

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Performed by:

Checked:



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No.:

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## DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 364/5JP  
 Output : 75 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1770 rpm  
 Slip : 1.67 %  
 Voltage : 230/460 V  
 Rated current : 169/84.3 A  
 Locked rotor current : 1060/531 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.3  
 No-load current : 52.0/26.0 A  
 Full load torque : 220 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 240 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 10 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 847 lb  
 Moment of inertia : 19.929 sq.ft.lb  
 Noise level : 70 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	12000 h	12000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.87	94.1
75%	0.85	94.1
50%	0.79	94.1

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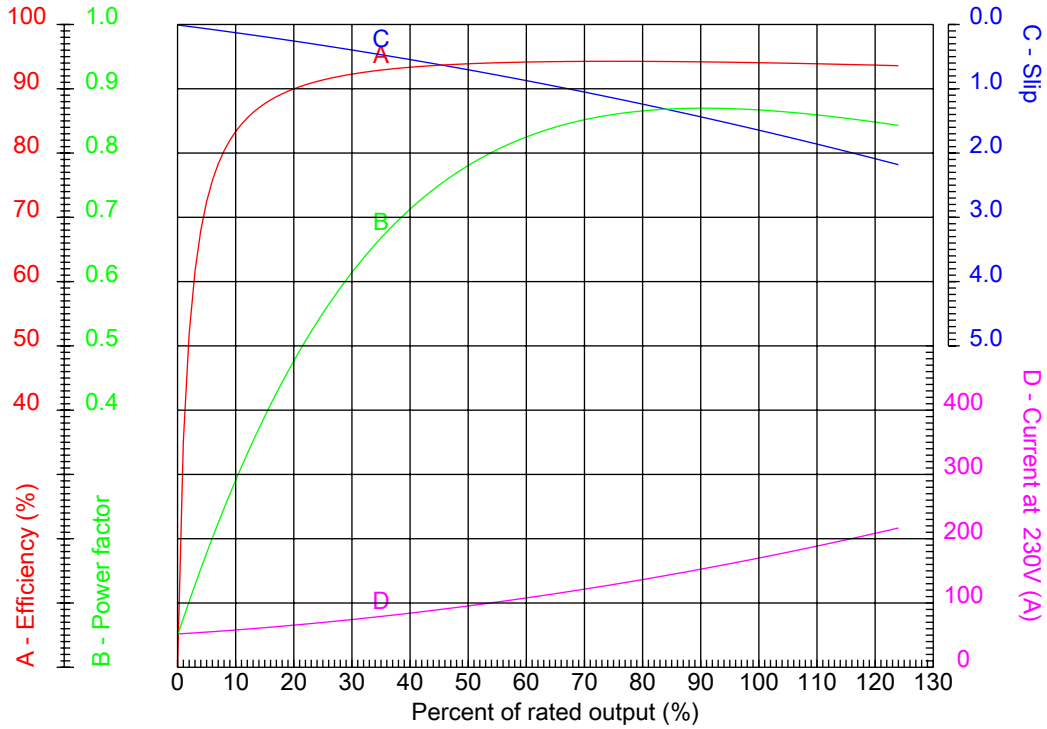
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 364/5JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 75 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	: 210 %
Rated current	: 169/84.3 A	Breakdown torque	: 240 %
Insulation class	: F		

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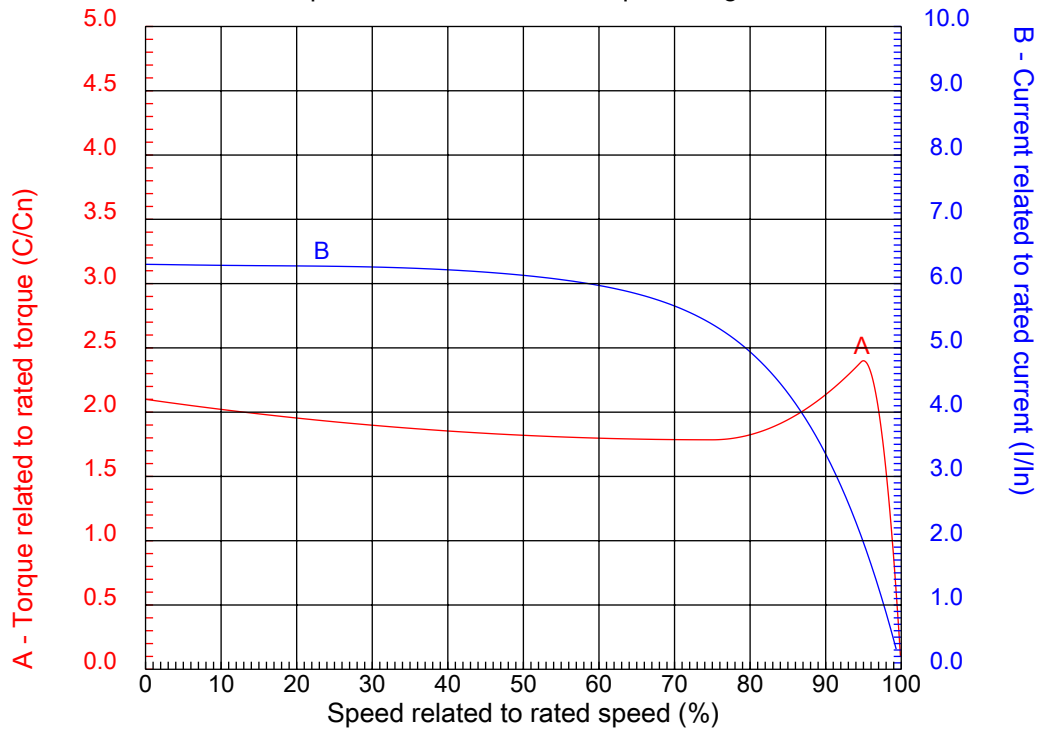
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 364/5JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.3
Output	: 75 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	: 210 %
Rated current	: 169/84.3 A	Breakdown torque	: 240 %
Insulation class	: F		

Notes:  
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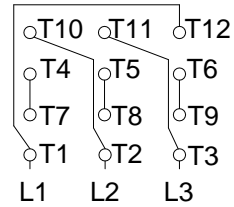
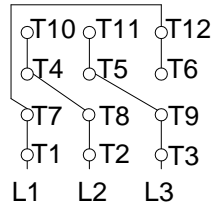


1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

LOW VOLTAGE

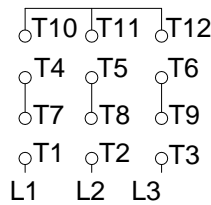
HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Performed by:

Checked:

Customer:

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

Three-phase induction motor  
Frame 364/5JP - IP55

27-SEP-2016

