



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Catalog Number : 00158ET3E145JM-SG

List Price : \$793

Notes:

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No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Frame : 143/5JM
 Output : 1.5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1750 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 4.47-4.04/2.02 A
 Locked rotor current : 33.1/16.6 A
 Locked rotor current (I_L/I_n) : 8.2
 No-load current : 2.17/1.08 A
 Full load torque : 4.44 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 21 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 38 lb
 Moment of inertia : 0.11011 sq.ft.lb
 Noise level : 52 dB(A)

	D.E.	N.D.E.
Bearings	6206 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.79	86.5
75%	0.72	86.5
50%	0.59	85.5

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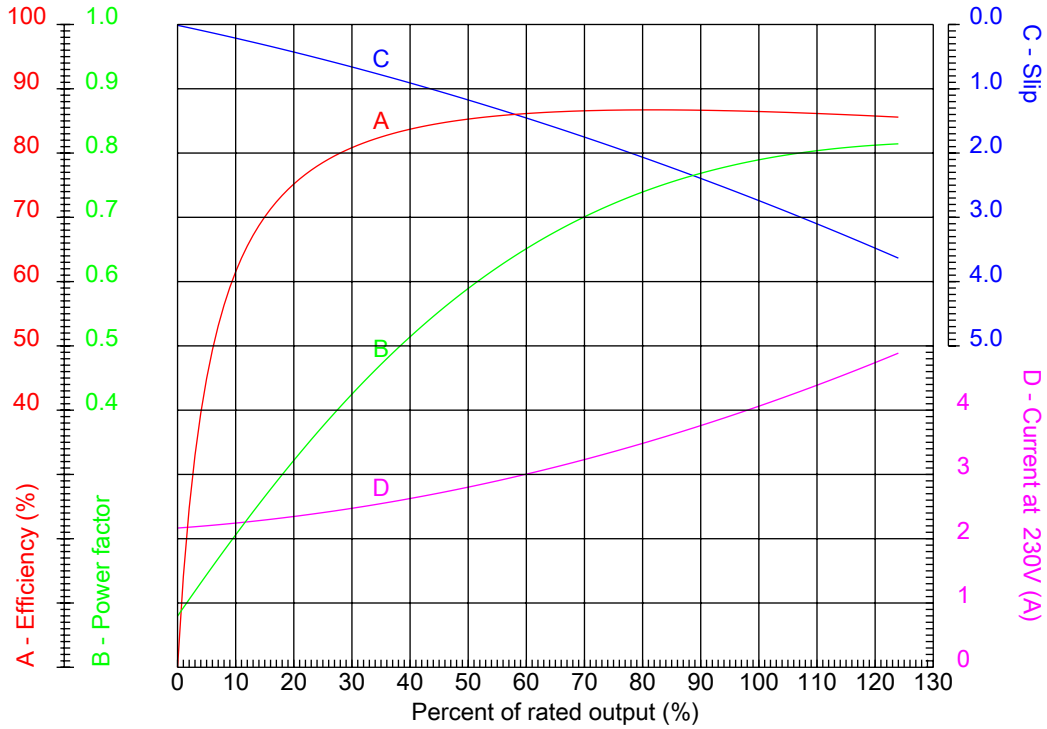
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Frame	: 143/5JM	Locked rotor current (I _l /I _n)	: 8.2
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1750 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 270 %
Rated current	: 4.47-4.04/2.02 A	Breakdown torque	: 300 %
Insulation class	: F		

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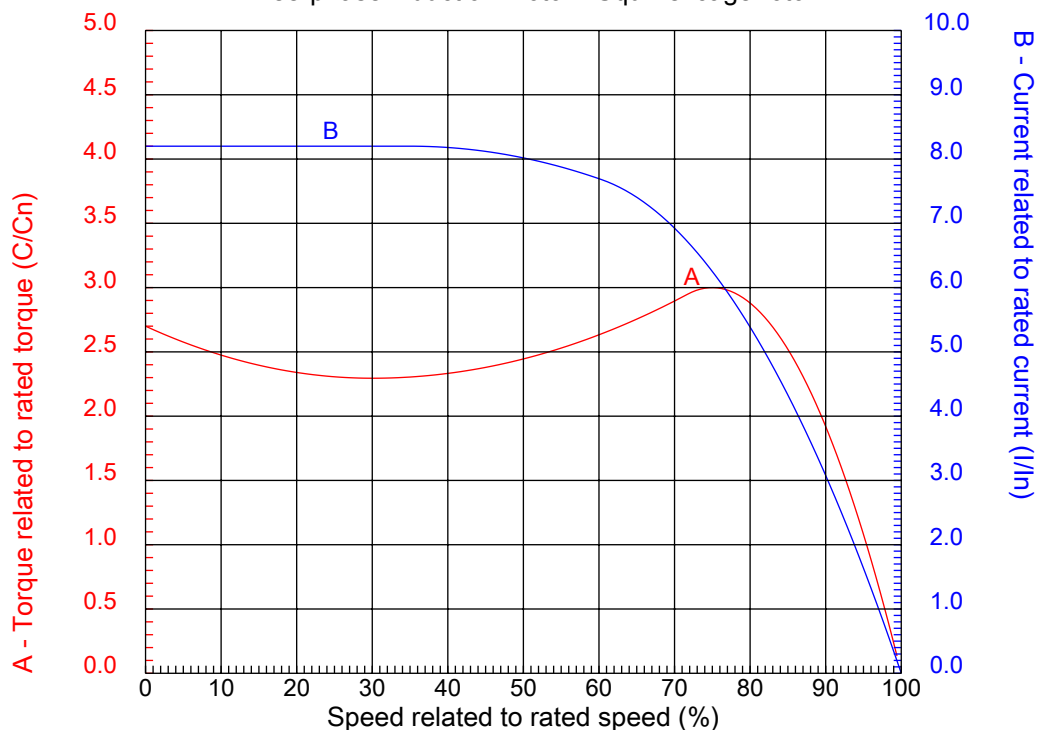
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Frame	: 143/5JM	Locked rotor current (I _l /I _n)	: 8.2
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1750 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 270 %
Rated current	: 4.47-4.04/2.02 A	Breakdown torque	: 300 %
Insulation class	: F		

Notes:
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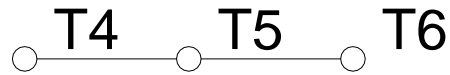
1 2 3 4 5 6 7 8

A

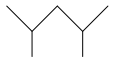
LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Customer:

W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

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

12-SEP-2016

