



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase : Rolled Steel Motor - High Efficiency

Catalog Number : 00518EP3ERSR184TC

List Price : \$577

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Rolled Steel Motor - High Efficiency

Frame : W182/4T
 Output : 5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1730 rpm
 Slip : 3.89 %
 Voltage : 230/460 V
 Rated current : 13.8/6.90 A
 Locked rotor current : 117/58.7 A
 Locked rotor current (I_L/I_n) : 8.5
 No-load current : 7.80/3.90 A
 Full load torque : 15.0 lb.ft
 Locked rotor torque : 370 %
 Breakdown torque : 410 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 7 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 65 lb
 Moment of inertia : 0.27266 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.
Bearings	6206 ZZ	6205 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.77	87.5
75%	0.68	87.5
50%	0.55	85.5

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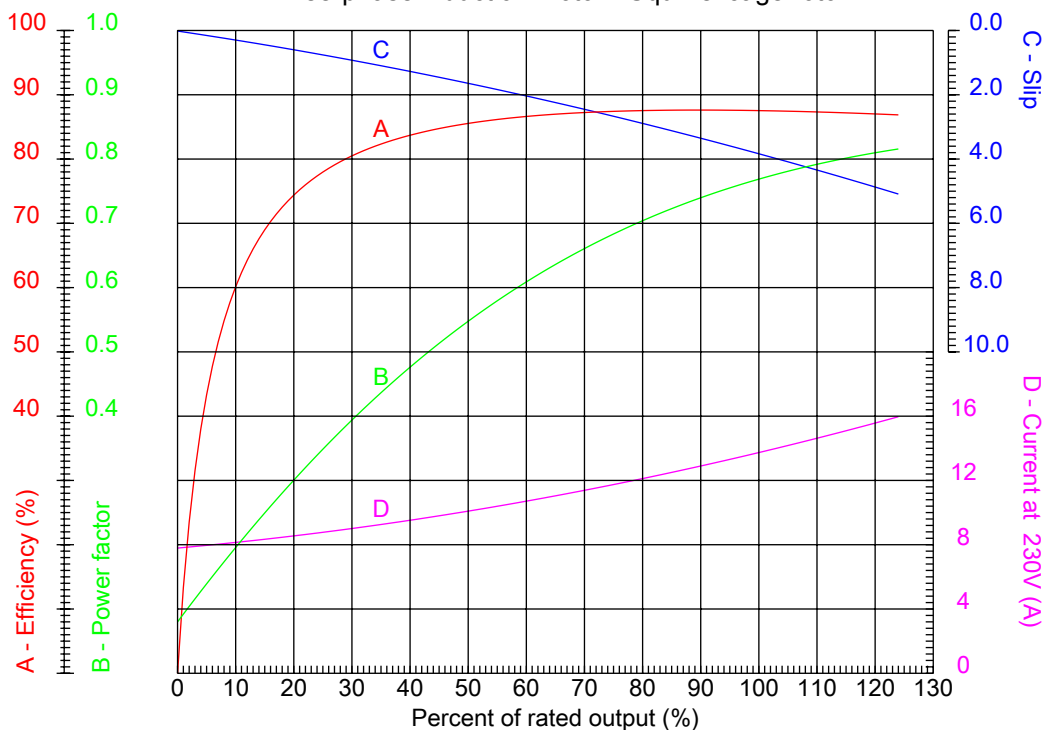
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase : Rolled Steel Motor - High Efficiency

Frame	: W182/4T	Locked rotor current (I _l /I _n)	: 8.5
Output	: 5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1730 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 370 %
Rated current	: 13.8/6.90 A	Breakdown torque	: 410 %
Insulation class	: F		

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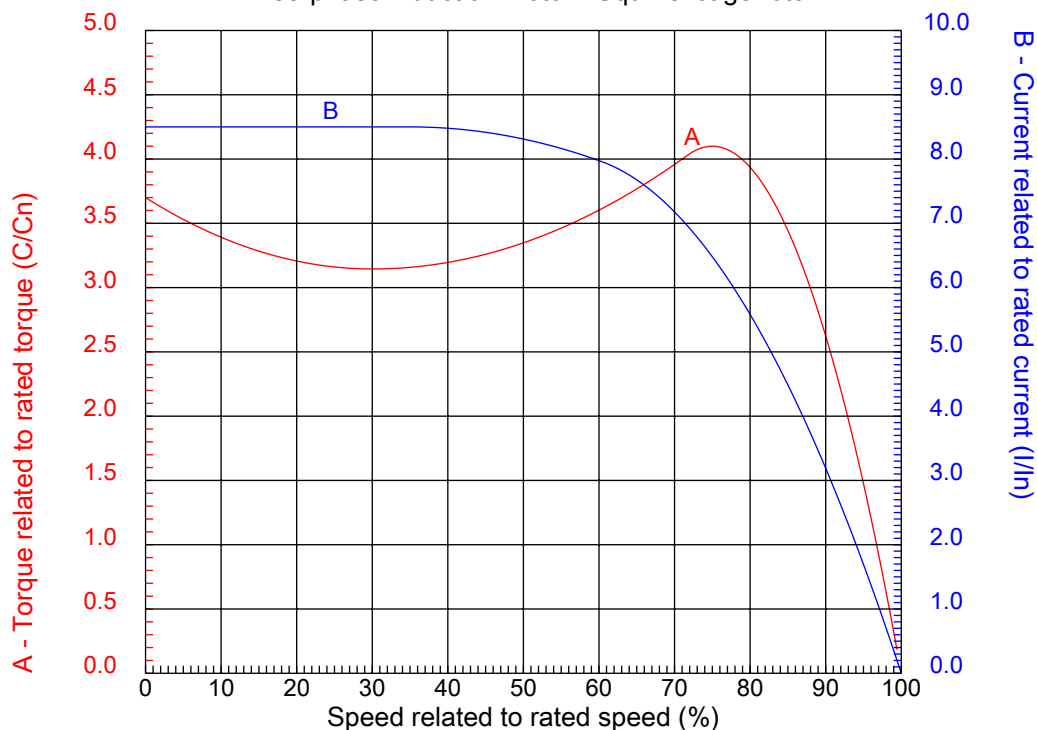
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase : Rolled Steel Motor - High Efficiency

Frame	: W182/4T	Locked rotor current (I _l /I _n)	: 8.5
Output	: 5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1730 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 370 %
Rated current	: 13.8/6.90 A	Breakdown torque	: 410 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

LOW VOLTAGE

HIGH VOLTAGE

A
B
C
D
E
F



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Checked:		
Customer:		
Three-Phase : Rolled Steel Motor - High Efficiency		
Three-phase induction motor Frame W182/4T - IP55	13-SEP-2016	