



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W01 (Rolled Steel) Close Coupled Pump ODP - JP Type

Catalog Number : 00536OT3E182JP-SG

List Price : \$962

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W01 (Rolled Steel) Close Coupled Pump ODP - JP Type

Frame : 182/4JP
Output : 5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3510 rpm
Slip : 2.50 %
Voltage : 208-230/460 V
Rated current : 13.5-12.2/6.10 A
Locked rotor current : 92.7/46.4 A
Locked rotor current (I_L/I_n) : 7.6
No-load current : 5.15/2.58 A
Full load torque : 7.38 lb.ft
Locked rotor torque : 190 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : ODP
Approximate weight : 59 lb
Moment of inertia : 0.13858 sq.ft.lb
Noise level : 65 dB(A)

	D.E.	N.D.E.
Bearings	6207 ZZ	6205 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.88	86.5
75%	0.83	86.5
50%	0.73	85.5

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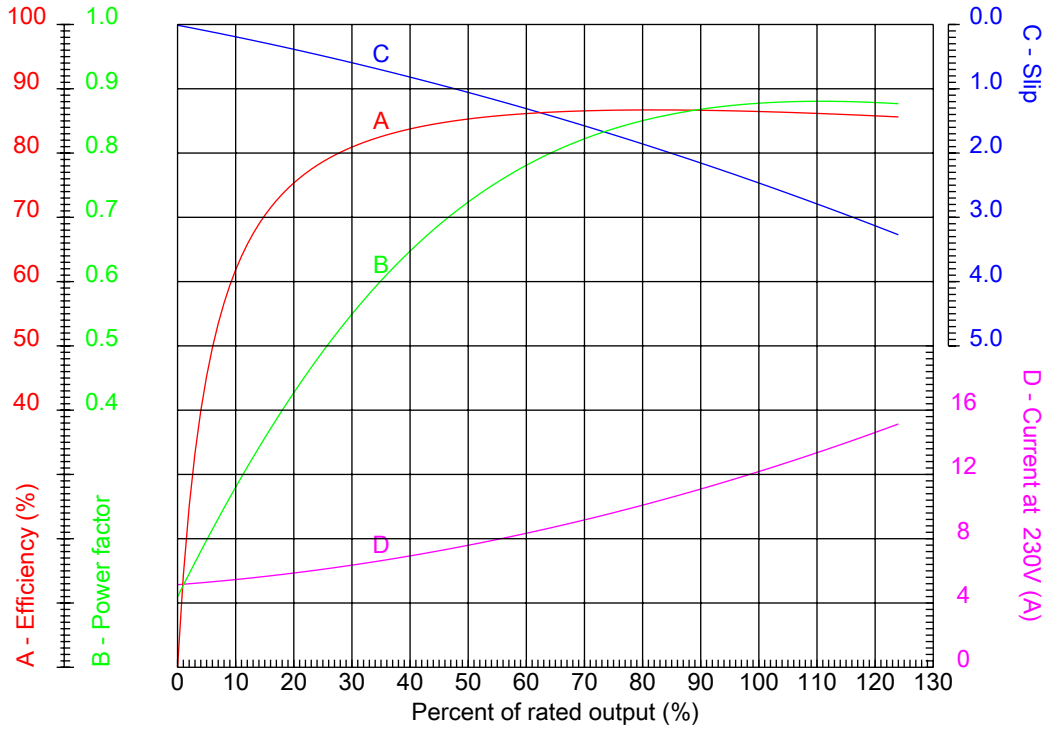
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : W01 (Rolled Steel) Close Coupled Pump ODP - JP Type

Frame	: 182/4JP	Locked rotor current (I _l /I _n)	: 7.6
Output	: 5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3510 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 190 %
Rated current	: 13.5-12.2/6.10 A	Breakdown torque	: 300 %
Insulation class	: F		

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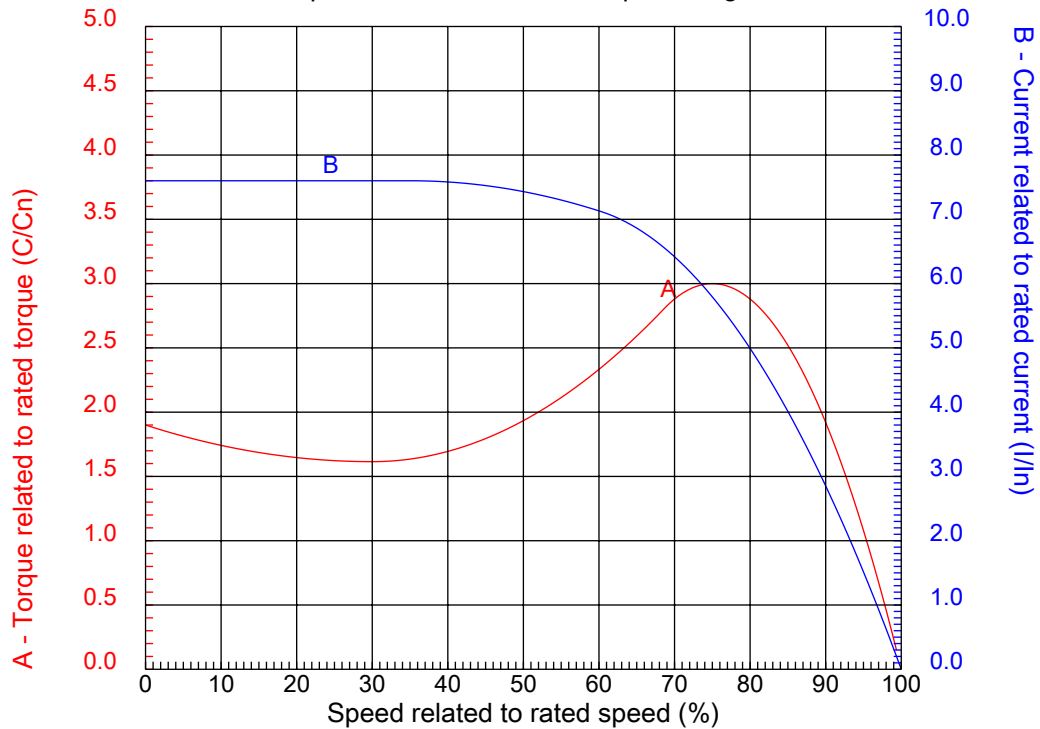
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W01 (Rolled Steel) Close Coupled Pump ODP - JP Type

Frame	: 182/4JP	Locked rotor current (I _l /I _n)	: 7.6
Output	: 5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3510 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 190 %
Rated current	: 13.5-12.2/6.10 A	Breakdown torque	: 300 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

B

C

D

E

F



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2E 7.500	J 1.299	A 8.661	P 8.114	AB 6.696
2F 4.500/5.500	B 6.299	BA 3.500	D 4.500	G 0.167
O 8.557	H 0.406	AA 1.118"	ER 7.319	EQ 1.563
ET 5.941	U 0.8745	EM 1.000	EL 1.250	EP 1.376
ES 1.654	t1 0.748	t2 1.102	C 19.331	CH 1.377
FC 8.661	Flange FC-149	AJ 5.874	AK 4.500	BD 6.496
BF UNC 3/8"x16	BB 0.138	AH 7.319		

Performed by:	
Checked:	
Customer:	W01 (Rolled Steel) Close Coupled Pump ODP - JP Type
Three-phase induction motor Frame 182/4JP - ODP	13-SEP-2016

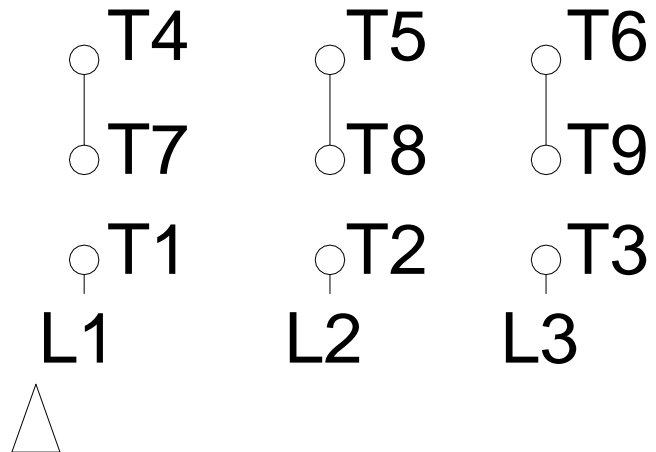


1 2 3 4 5 6 7 8

LOW VOLTAGE

HIGH VOLTAGE

A
B
C
D
E
F



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Customer:

W01 (Rolled Steel) Close Coupled Pump ODP - JP Type

Three-phase induction motor
 Frame 182/4JP - IP21

13-SEP-2016

