



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum
Frame
Catalog Number : 00736ET3YAL132S
List Price : \$1,292

Notes:
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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum Frame

Frame : 132S
 Output : 10 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3535 rpm
 Slip : 1.81 %
 Voltage : 460 V
 Rated current : 12.3 A
 Locked rotor current : 112 A
 Locked rotor current (I_L/I_n) : 9.1
 No-load current : 4.50 A
 Full load torque : 14.7 lb.ft
 Locked rotor torque : 330 %
 Breakdown torque : 440 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 21 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 139 lb
 Moment of inertia : 0.59800 sq.ft.lb
 Noise level : 67 dB(A)

	D.E.	N.D.E.
Bearings	6308 ZZ	6207 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.85	90.2
75%	0.79	89.5
50%	0.68	86.5

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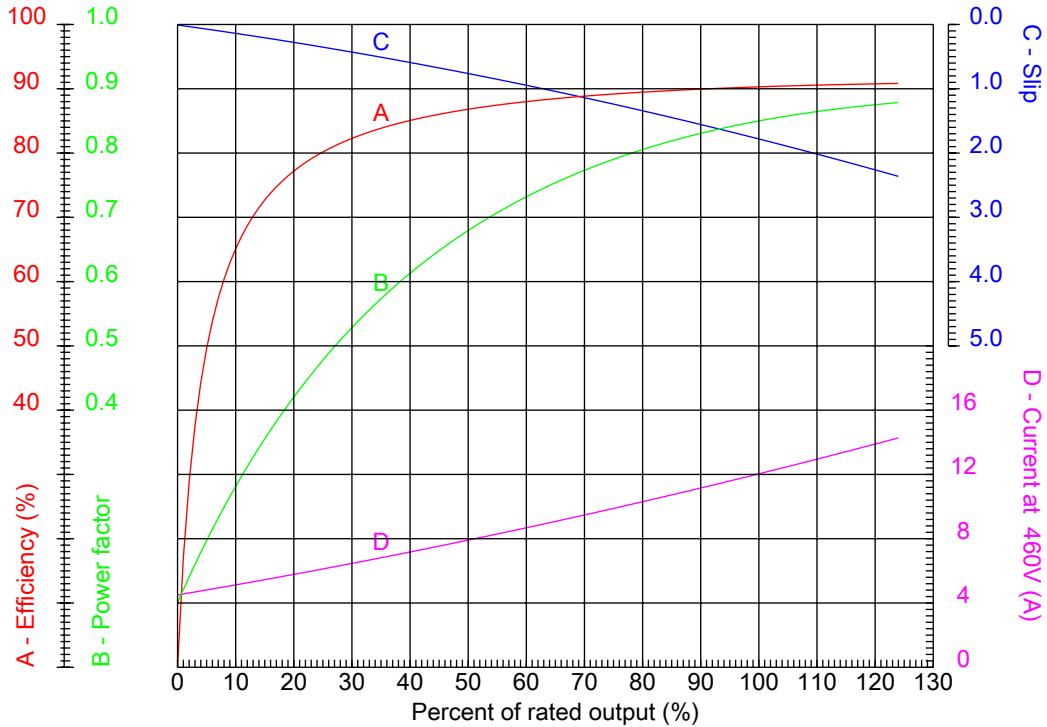
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum Frame

Frame	: 132S	Locked rotor current (I _l /I _n)	: 9.1
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3535 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 330 %
Rated current	: 12.3 A	Breakdown torque	: 440 %
Insulation class	: F		

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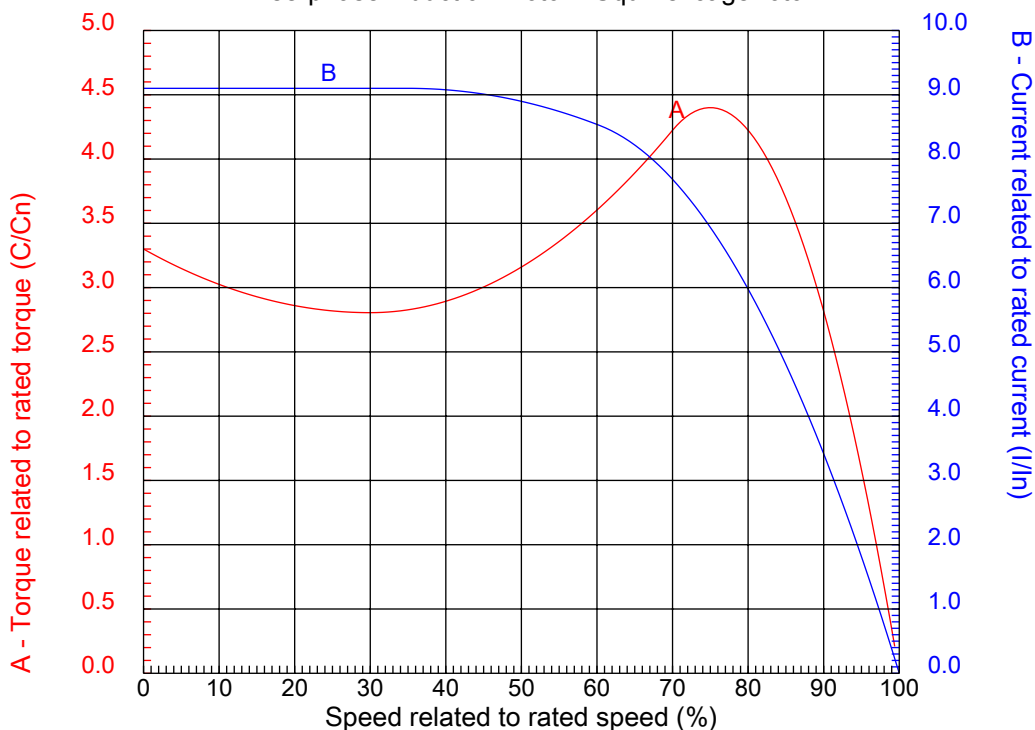
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum Frame

Frame	: 132S	Locked rotor current (I _L /I _n)	: 9.1
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3535 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 330 %
Rated current	: 12.3 A	Breakdown torque	: 440 %
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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Customer:		
Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum		
Three-phase induction motor Frame 132S - IP55	13-SEP-2016	