



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Single-Phase : W21 TEFC (IP55)

Catalog Number : 00152ES1E182T

List Price : \$1,100

Notes:

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DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Single-Phase : W21 TEFC (IP55)

Frame : 182T
 Output : 1.5 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1175 rpm
 Slip : 2.08 %
 Voltage : 208-230/460 V
 Rated current : 10.5-9.80/4.90 A
 Locked rotor current : 68.6/34.3 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 7.50/3.75 A
 Full load torque : 6.61 lb.ft
 Locked rotor torque : 240 %
 Breakdown torque : 280 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 6 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 84 lb
 Moment of inertia : 0.43426 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6307 ZZ	6206 ZZ	100%	0.68	75.0
Regreasing interval	---	---	75%	0.60	71.0
Grease amount	---	---	50%	0.49	63.0

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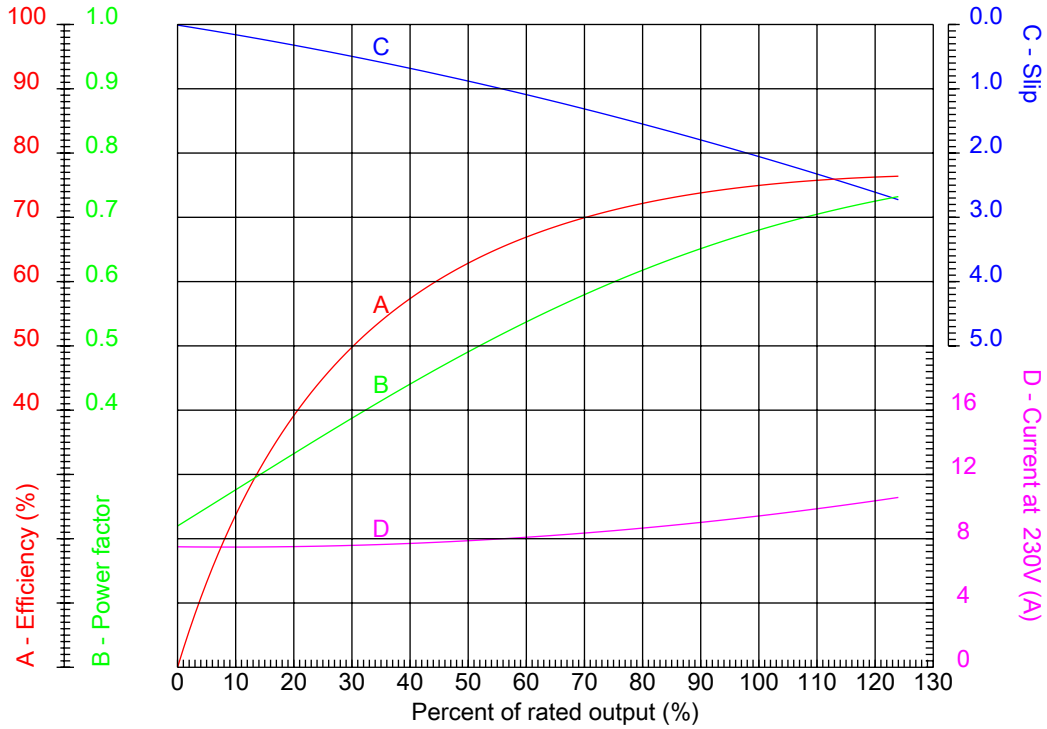
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Single-Phase : W21 TEFC (IP55)

Frame	: 182T	Locked rotor current (I _l /I _n)	: 7.0
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1175 rpm	Design	: ---
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 10.5-9.80/4.90 A	Breakdown torque	: 280 %
Insulation class	: F		

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