



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Catalog Number : 02012ES3EOW286T-W22

List Price : \$3,162

Notes:

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Frame : 284/6T
Output : 20 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1115 rpm
Slip : 7.08 %
Voltage : 208-230/460 V
Rated current : 55.1-48.4/24.2 A
Locked rotor current : 290/145 A
Locked rotor current (I_L/I_N) : 6.0
No-load current : 13.4/6.70 A
Full load torque : 92.9 lb.ft
Locked rotor torque : 320 %
Breakdown torque : 0 %
Design : D
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 14 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 467 lb
Moment of inertia : 8.9690 sq.ft.lb
Noise level : 59 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.90	86.5
75%	0.85	87.5
50%	0.78	86.5

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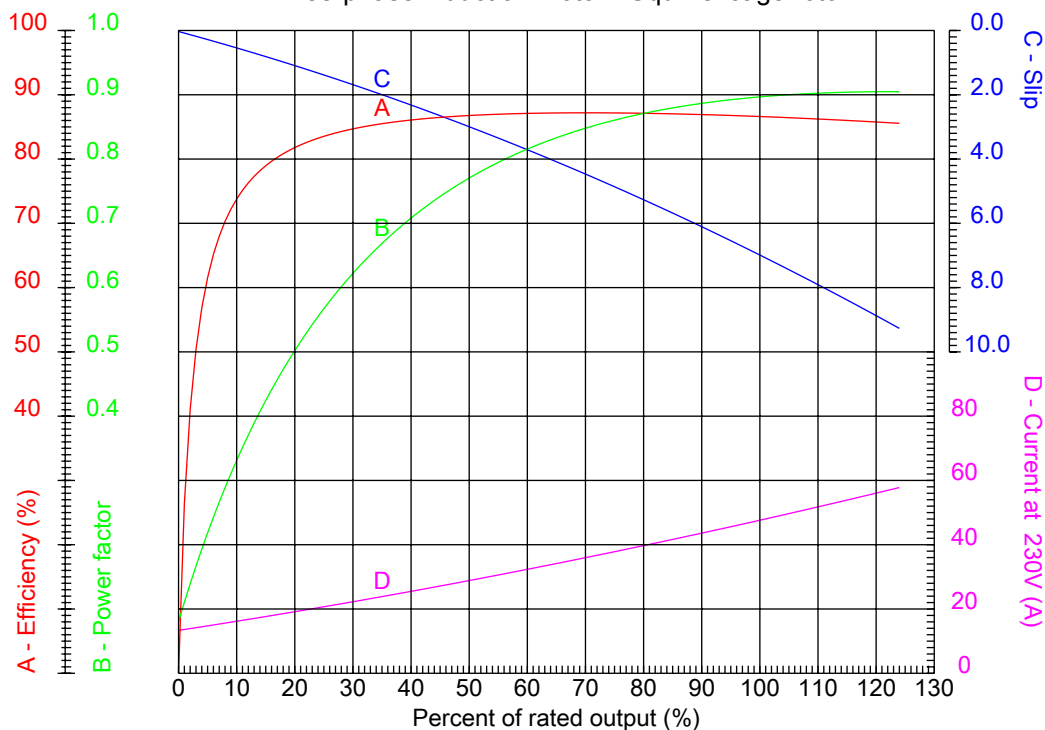
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Frame	: 284/6T	Locked rotor current (I _L /I _n)	: 6.0
Output	: 20 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1115 rpm	Design	: D
Voltage	: 208-230/460 V	Locked rotor torque	: 320 %
Rated current	: 55.1-48.4/24.2 A	Breakdown torque	: 0 %
Insulation class	: F		

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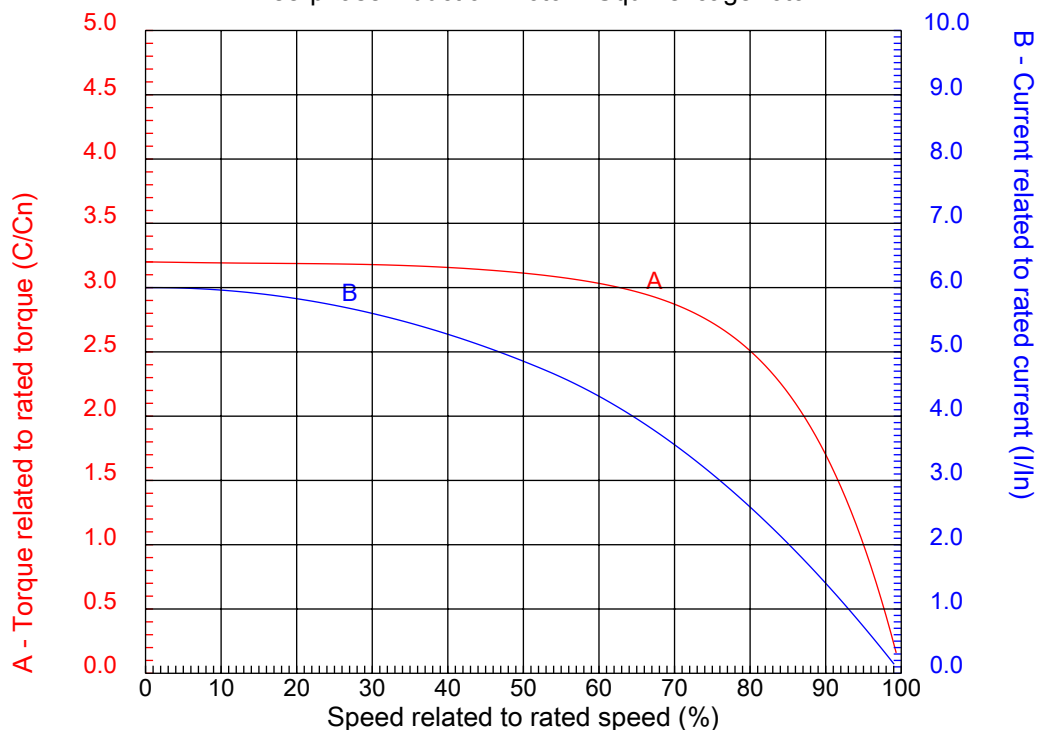
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Frame	: 284/6T	Locked rotor current (I _L /I _n)	: 6.0
Output	: 20 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1115 rpm	Design	: D
Voltage	: 208-230/460 V	Locked rotor torque	: 320 %
Rated current	: 55.1-48.4/24.2 A	Breakdown torque	: 272 %
Insulation class	: F		

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