



No.:

Date: 17-APR-2020

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : TEFC - W22 NEMA Premium Efficiency

Catalog Number :

List Price : \$

Notes:

Performed by:

Checked:



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DATA SHEET**Three-phase induction motor - Squirrel cage rotor**

Customer :
Product line : TEFC - W22 NEMA Premium Efficiency

Frame : 444/5TSC
Output : 150 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1780 rpm
Slip : 1.11 %
Voltage : 208-230/460 V
Rated current : 376-340/170 A
Locked rotor current : 2240/1120 A
Locked rotor current (I_L/I_n) : 6.6
No-load current : 116/58.0 A
Full load torque : 437 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 27 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1676 lb
Moment of inertia : 66.690 sq.ft.lb
Noise level : 73 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	12000 h	12000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.85	95.8
75%	0.82	95.8
50%	0.74	95.4

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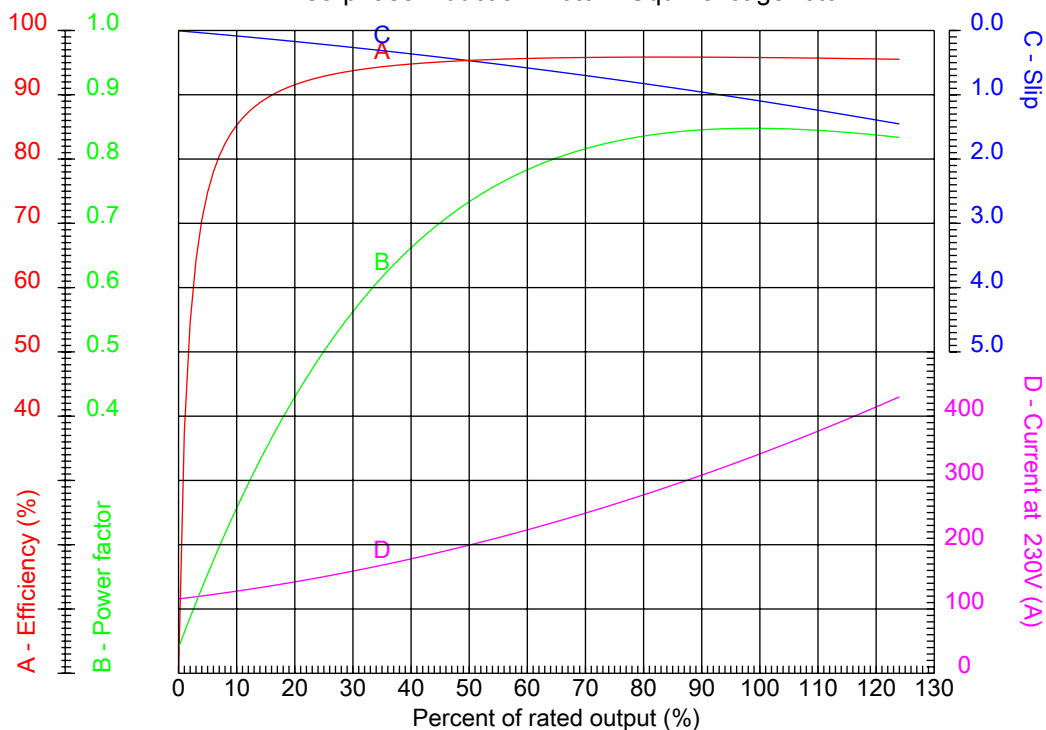


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : TEFC - W22 NEMA Premium Efficiency

Frame	: 444/5TSC	Locked rotor current (I _L /I _n)	: 6.6
Output	: 150 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 376-340/170 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:

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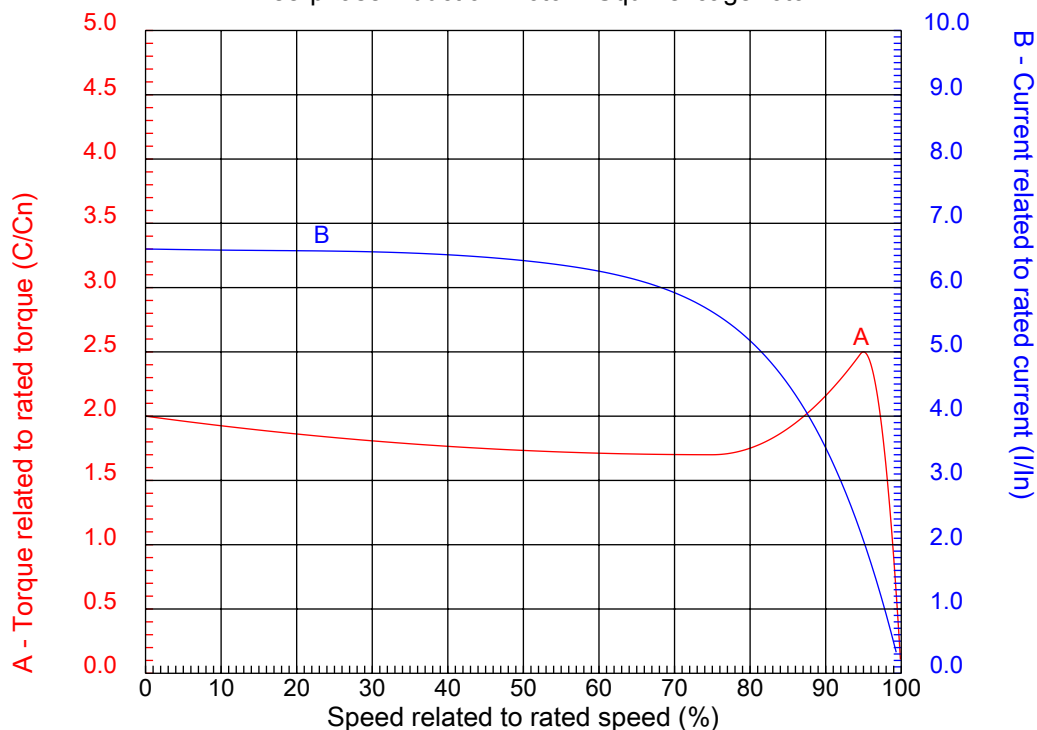


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : TEFC - W22 NEMA Premium Efficiency

Frame	: 444/5TSC	Locked rotor current (I _L /I _n)	: 6.6
Output	: 150 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 200 %
Rated current	: 376-340/170 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:

Performed by

Checked

