



No.:

Date: 05-MAY-2020

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Catalog Number : -

List Price : \$-

Notes:

Performed by:

Checked:



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

Customer :
Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame : 200L
Output : 40 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1780 rpm
Slip : 1.11 %
Voltage : 460 V
Rated current : 49.4 A
Locked rotor current : 405 A
Locked rotor current (I_L/I_n) : 8.2
No-load current : 24.2 A
Full load torque : 116 lb.ft
Locked rotor torque : 300 %
Breakdown torque : 360 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 19 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 570 lb
Moment of inertia : 8.2308 sq.ft.lb
Noise level : 66 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 C3	6212 C3	100%	0.81	94.1
Regreasing interval	20000 h	20000 h	75%	0.75	93.0
Grease amount	21 g	13 g	50%	0.63	91.7

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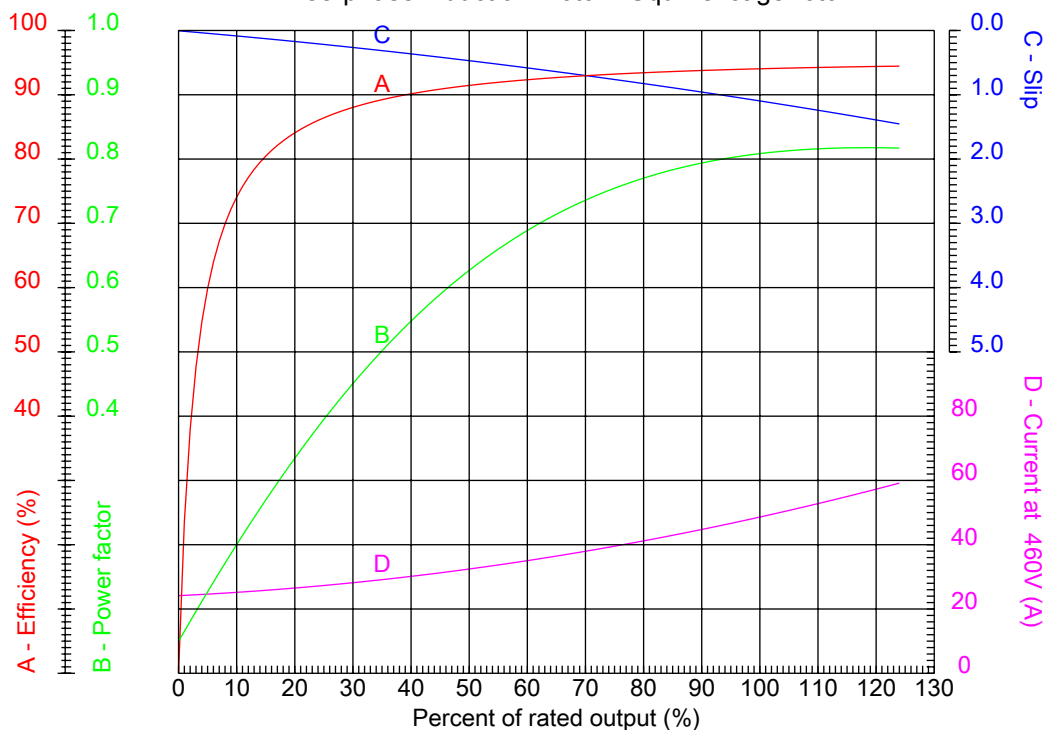


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame	: 200L	Locked rotor current (I _L /I _n)	: 8.2
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1780 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 300 %
Rated current	: 49.4 A	Breakdown torque	: 360 %
Insulation class	: F		

Notes:

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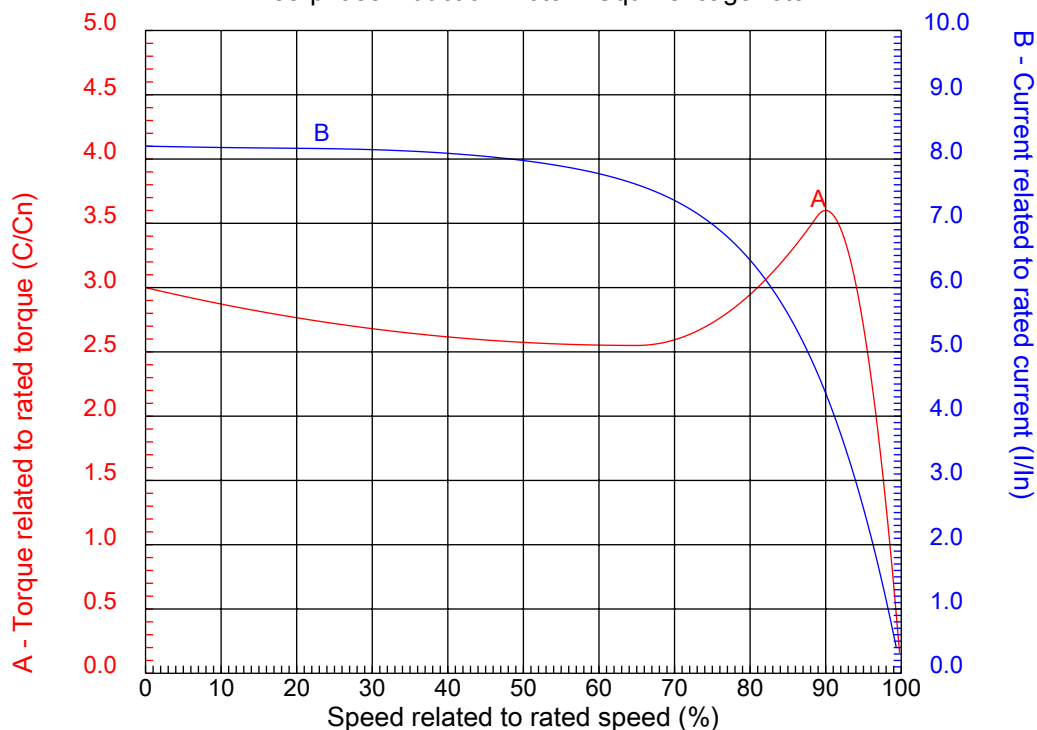


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame	: 200L	Locked rotor current (I _L /I _n)	: 8.2
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1780 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 300 %
Rated current	: 49.4 A	Breakdown torque	: 360 %
Insulation class	: F		

Notes:

Performed by

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