



No.:

Date: 31-MAR-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:



No.:

Date: 31-MAR-2020

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 : 50 Hz
Poles : 4
Full load speed : 1480 rpm
Slip : 1.33 %
Voltage : 380/660 V
Rated current : 57.7/33.2 A
Locked rotor current : 421/243 A
Locked rotor current (I_L/I_n) : 7.3
No-load current : 25.2/14.5 A
Full load torque : 140 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 270 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 16 s (hot)
Service factor : 1.00
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 : 63 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 C3	6212 C3	100%	0.84	94.1
Regreasing interval	20000 h	20000 h	75%	0.79	93.8
Grease amount	21 g	13 g	50%	0.69	93.3

Notes:

Performed by

Checked

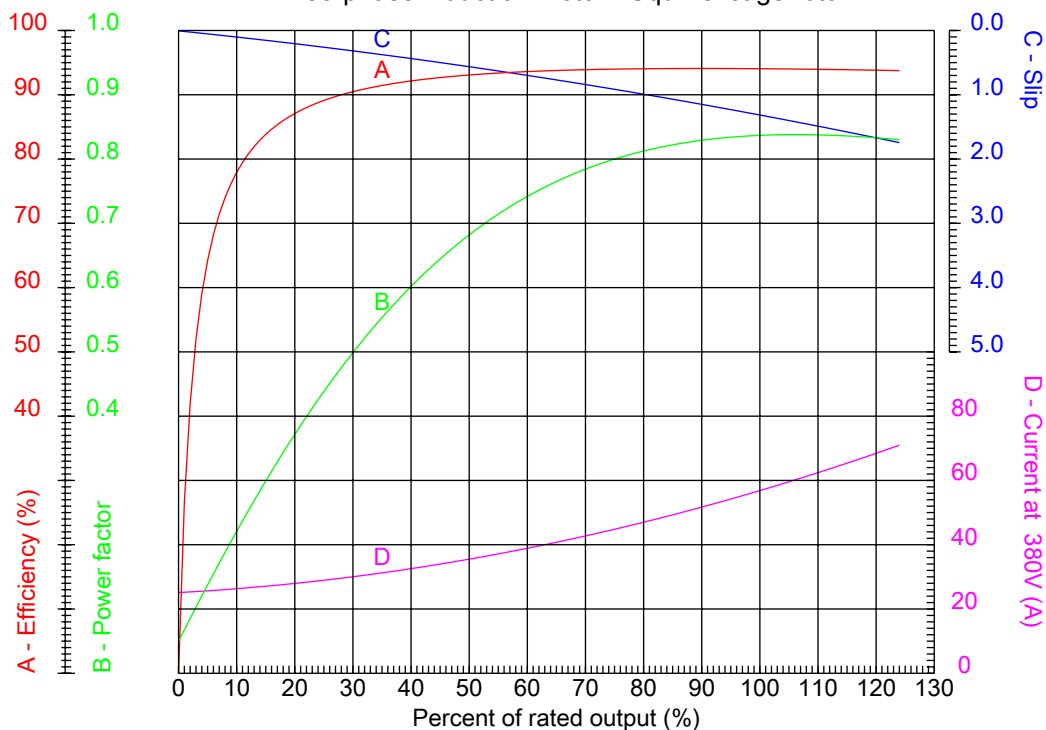


No.:

Date: 31-MAR-2020

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)	: 7.3
Output	: 40 HP	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 1480 rpm	Design	: ---
Voltage	: 380/660 V	Locked rotor torque	: 220 %
Rated current	: 57.7/33.2 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

Performed by

Checked

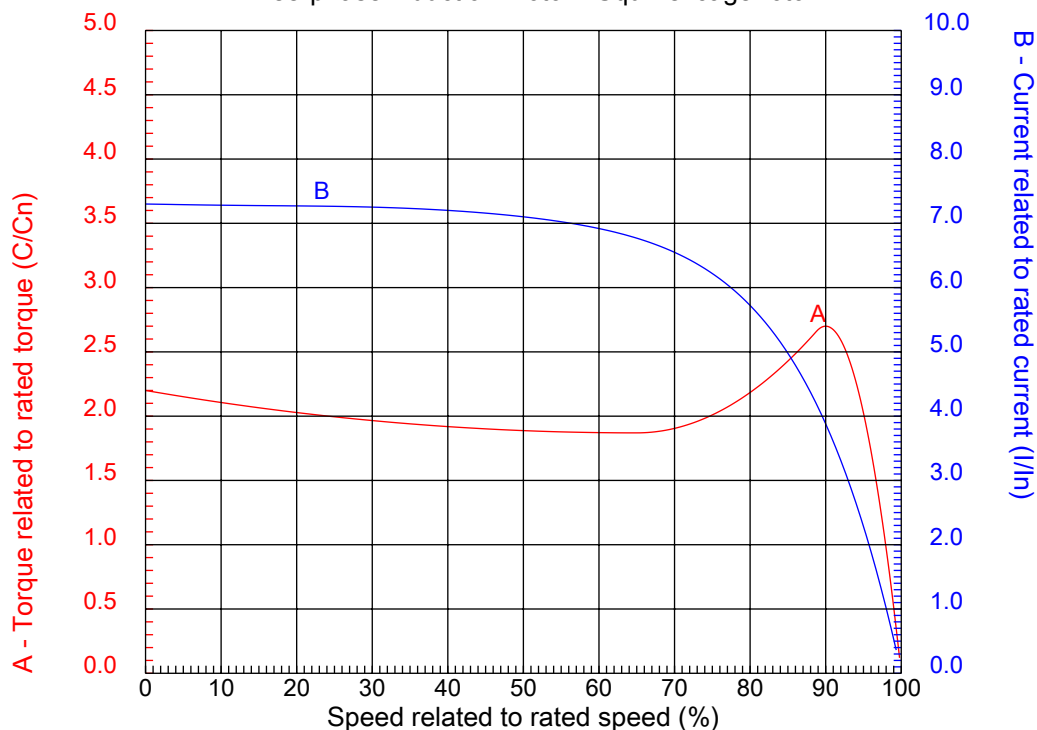


No.:

Date: 31-MAR-2020

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)	: 7.3
Output	: 40 HP	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 1480 rpm	Design	: ---
Voltage	: 380/660 V	Locked rotor torque	: 220 %
Rated current	: 57.7/33.2 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

Performed by

Checked

