



No.:

Date: 21-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 Super Premium

Catalog Number : 04036EG3E324TS-W22

List Price : \$5,198

Notes:

Performed by:

Checked:



No.:

Date: 21-DEC-2012

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Super Premium

Frame : 324TS
Output : 40 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3565
Slip : 0.97 %
Voltage : 208-230/460 V
Rated current : 103-93.0/46.5 A
Locked rotor current : 698/349 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 34.0/17.0 A
Full load torque : 58.1 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 300 %
Design : A
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 27 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 547 lb
Moment of inertia : 4.6262 sq.ft.lb
Noise level : 74 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 C3	6212 C3	100%	0.86	94.1
Regreasing interval	12000 h	15000 h	75%	0.83	94.1
Grease amount	21 g	13 g	50%	0.74	92.4

Notes:

Performed by

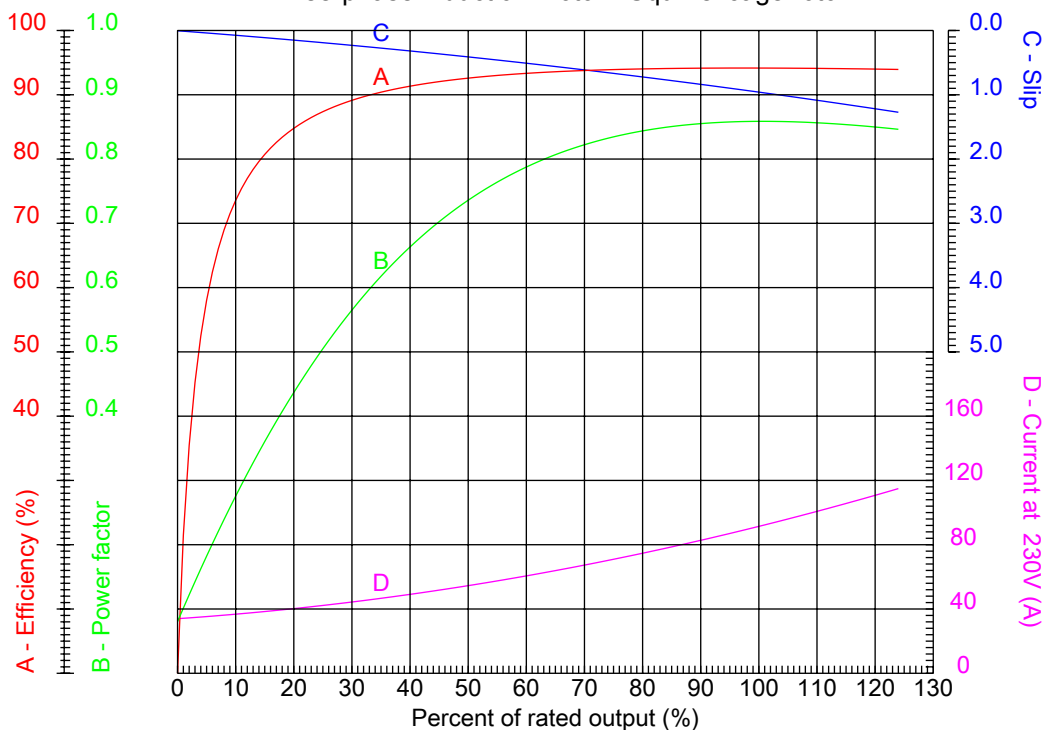
Checked



No.:

Date: 21-DEC-2012

PERFORMANCE CURVES RELATED TO RATED OUTPUT Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 Super Premium

Frame	: 324TS	Locked rotor current (I _l /I _n)	: 7.5
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3565	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 103-93.0/46.5 A	Breakdown torque	: 300 %
Insulation class	: F		

Notes:

Performed by

Checked

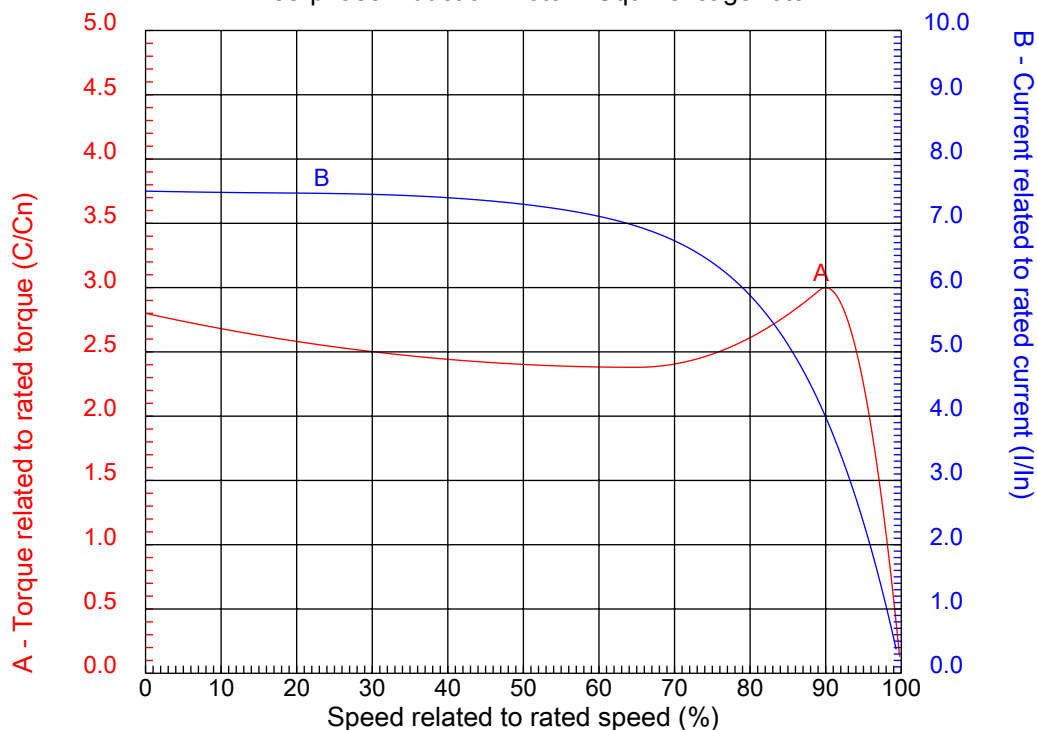


No.:

Date: 21-DEC-2012

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 Super Premium

Frame	: 324TS	Locked rotor current (I _l /I _n)	: 7.5
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3565	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 103-93.0/46.5 A	Breakdown torque	: 300 %
Insulation class	: F		

Notes:

Performed by

Checked

