



No.:

Date: 27-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Catalog Number : 04009ST3QIE365TC-W22

List Price : \$15,284

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 364/5T
Output : 40 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 880
Slip : 2.22 %
Voltage : 460 V
Rated current : 50.0 A
Locked rotor current : 300 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 22.0 A
Full load torque : 235 lb.ft
Locked rotor torque : 170 %
Breakdown torque : 230 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 875 lb
Moment of inertia : 29.040 sq.ft.lb
Noise level : 60 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.81	92.4
Regreasing interval	20000 h	20000 h	75%	0.76	93.0
Grease amount	27 g	27 g	50%	0.66	92.4

Notes:

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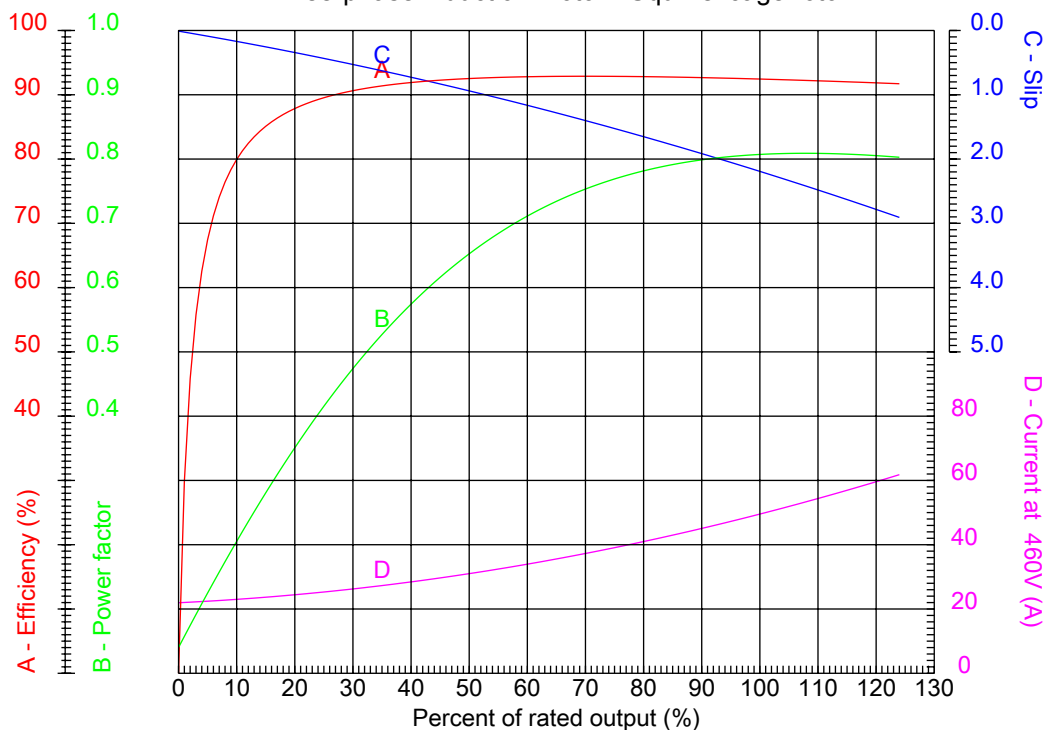


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame	: 364/5T	Locked rotor current (I _L /I _n)	: 6.0
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 880	Design	: B
Voltage	: 460 V	Locked rotor torque	: 170 %
Rated current	: 50.0 A	Breakdown torque	: 230 %
Insulation class	: F		

Notes:

Performed by

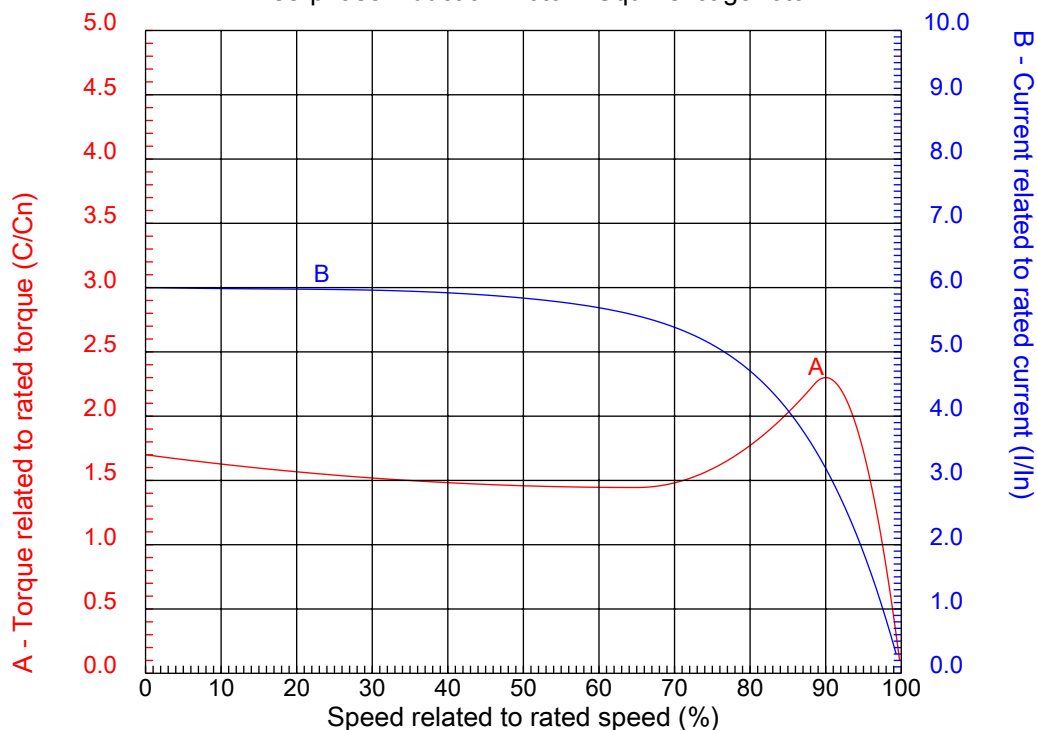
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CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame	: 364/5T	Locked rotor current (I _l /I _n)	: 6.0
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 880	Design	: B
Voltage	: 460 V	Locked rotor torque	: 170 %
Rated current	: 50.0 A	Breakdown torque	: 230 %
Insulation class	: F		

Notes:

Performed by

Checked

