



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 : 02509ST3QIE326TC-W22

List Price : \$9,063

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 : 326T
Output : 25 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 880
Slip : 2.22 %
Voltage : 460 V
Rated current : 35.9 A
Locked rotor current : 187 A
Locked rotor current (I_L/I_n) : 5.2
No-load current : 20.0 A
Full load torque : 147 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 230 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 23 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 509 lb
Moment of inertia : 11.919 sq.ft.lb
Noise level : 56 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 C3	6212 C3	100%	0.71	91.0
Regreasing interval	20000 h	20000 h	75%	0.64	91.0
Grease amount	21 g	13 g	50%	0.51	89.5

Notes:

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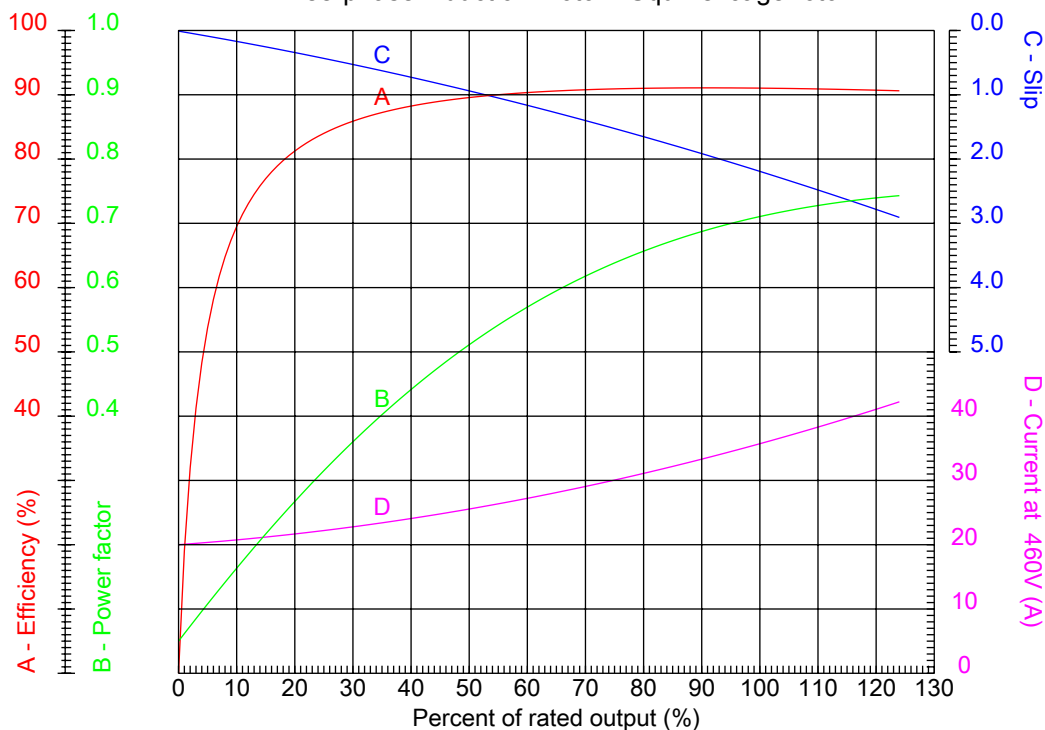
Checked



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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 : 326T	Locked rotor current (I _l /I _n) : 5.2
Output : 25 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.25
Full load speed : 880	Design : B
Voltage : 460 V	Locked rotor torque : 200 %
Rated current : 35.9 A	Breakdown torque : 230 %
Insulation class : F	

Notes:

Performed by

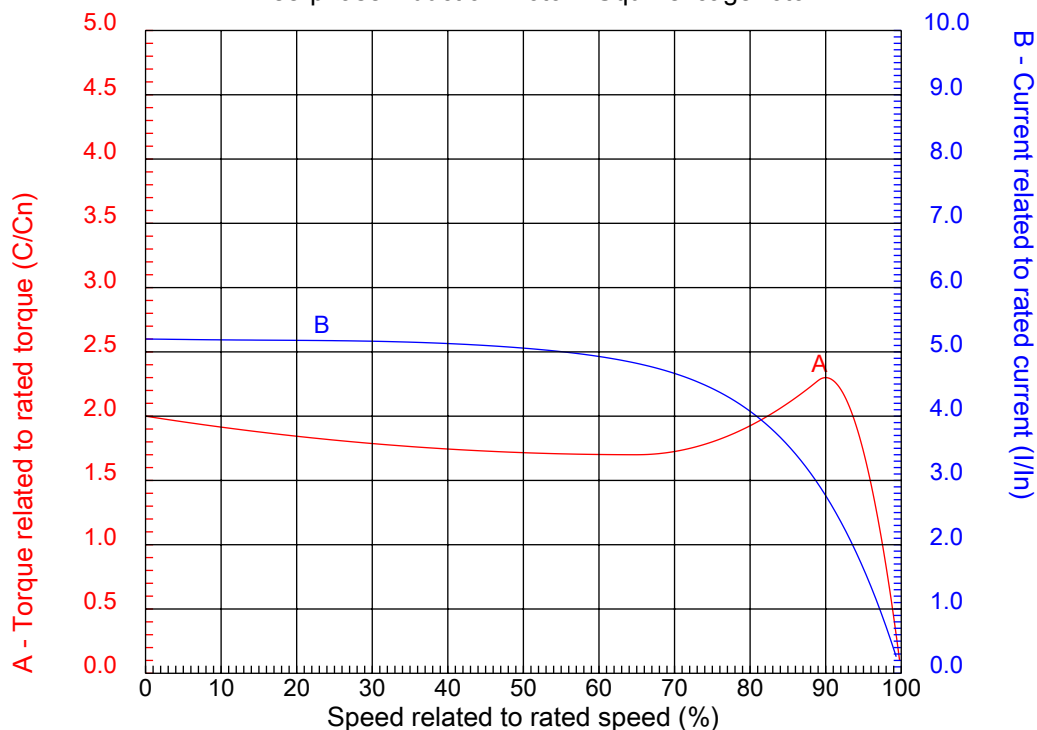
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CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



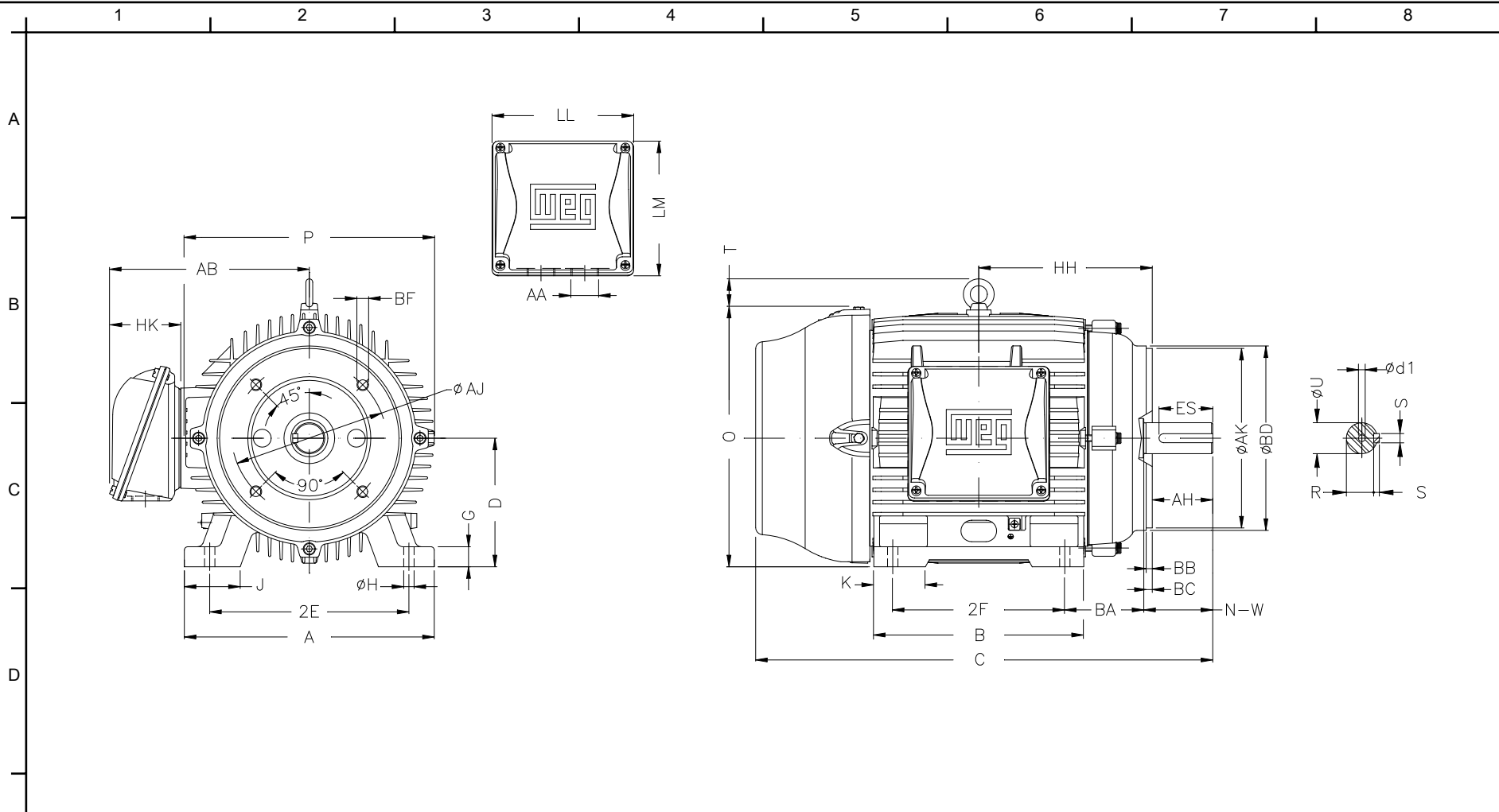
Customer :
Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame	: 326T	Locked rotor current (I _l /I _n)	: 5.2
Output	: 25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 880	Design	: B
Voltage	: 460 V	Locked rotor torque	: 200 %
Rated current	: 35.9 A	Breakdown torque	: 230 %
Insulation class	: F		

Notes:

Performed by

Checked



E	2E 12.500	J 3.189	A 15.157	P 15.827	AB 12.480
	2F 12.000	K 3.189	B 14.567	BA 5.250	U 2.125
	N-W 5.250	ES 3.937	S 0.500	R 1.844	depth 0.500
	D 8.000	G 1.300	HB 4.811	O 15.953	T 2.441
	HD 18.394	HF 8.708	HH 11.250	HK 4.645	H 0.657
F	C 31.116	LL 8.976	LM 8.543	AA NPT 2"	d1 A 4
	d2 A 4	Flange FC-279	AJ 11.000	AK 12.500	BD 13.58
	BF UNC 5/8"x11	BB 0.250	BC 0.250	AH 5.000	

Notes:

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Checked:

Customer:

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

Three-phase induction motor Frame 326T - IP55	27-DEC-2012	
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