



No.:

Date: 24-DEC-2012

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 : 04536ET3Y225S/M-W22

List Price : \$7,961

Notes:

Performed by:

Checked:



No.:

Date: 24-DEC-2012

## 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 : 225S/M  
Output : 60 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3565  
Slip : 0.97 %  
Voltage : 460 V  
Rated current : 66.7 A  
Locked rotor current : 520 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.8  
No-load current : 17.5 A  
Full load torque : 87.2 lb.ft  
Locked rotor torque : 240 %  
Breakdown torque : 340 %  
Design : N  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 29 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP55  
Approximate weight : 917 lb  
Moment of inertia : 10.476 sq.ft.lb  
Noise level : 79 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.90	94.1
Regreasing interval	4000 h	4000 h	75%	0.87	94.1
Grease amount	27 g	27 g	50%	0.80	93.0

Notes:

Performed by

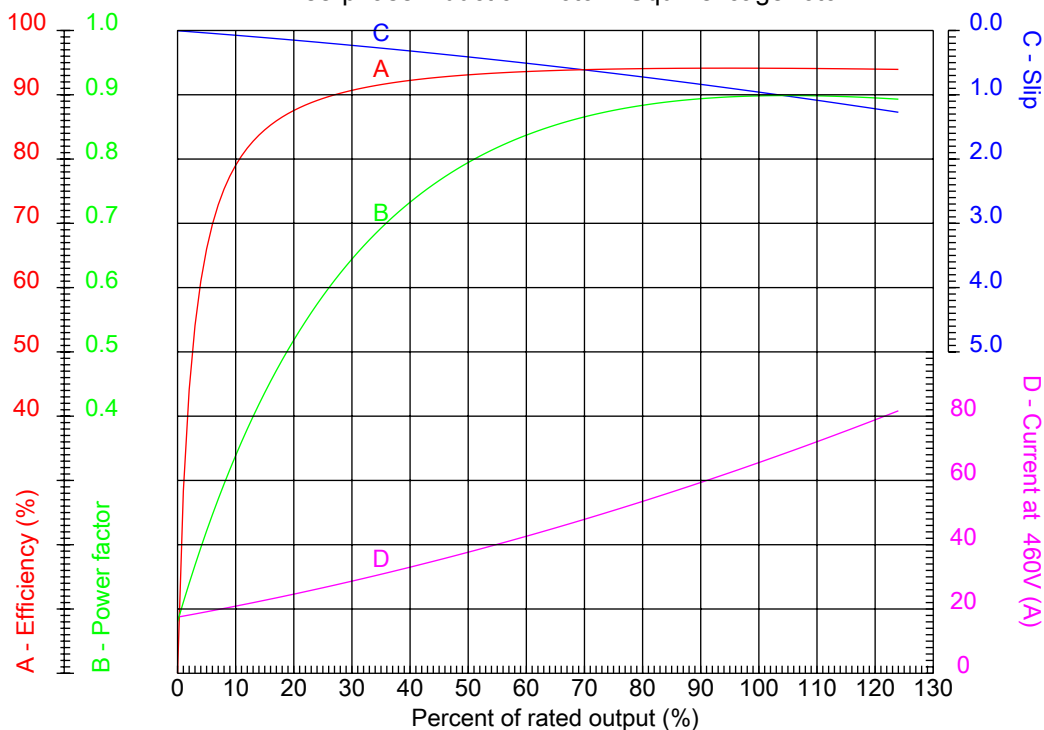
Checked



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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	: 225S/M	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.8
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3565	Design	: N
Voltage	: 460 V	Locked rotor torque	: 240 %
Rated current	: 66.7 A	Breakdown torque	: 340 %
Insulation class	: F		

Notes:

Performed by

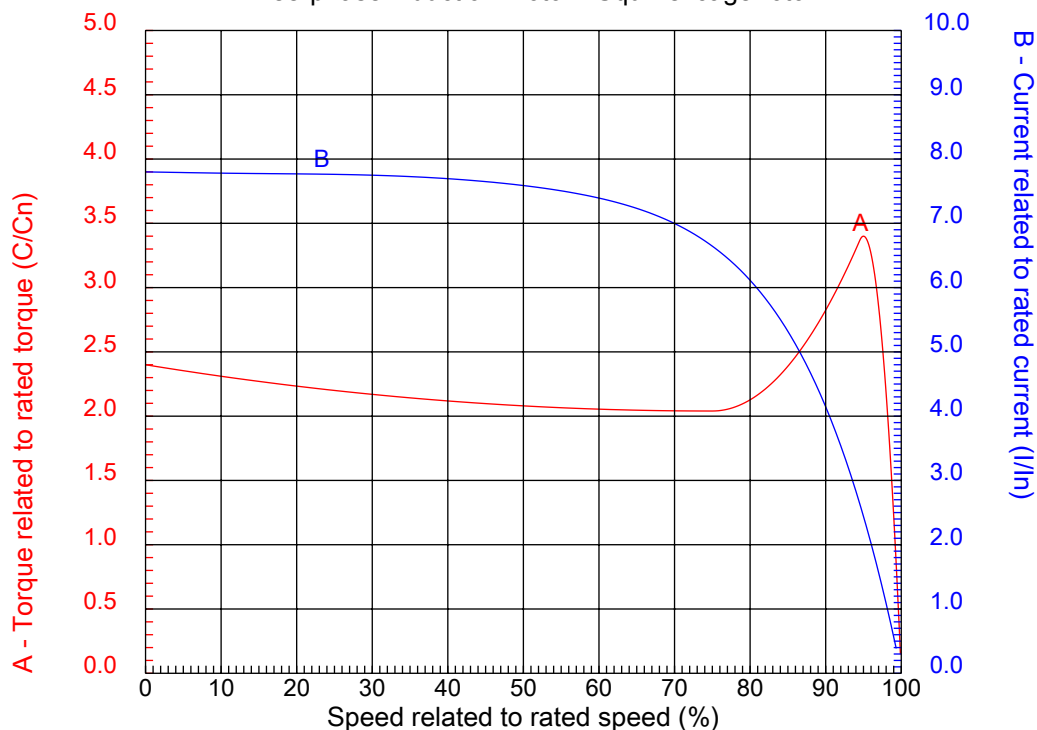
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### CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



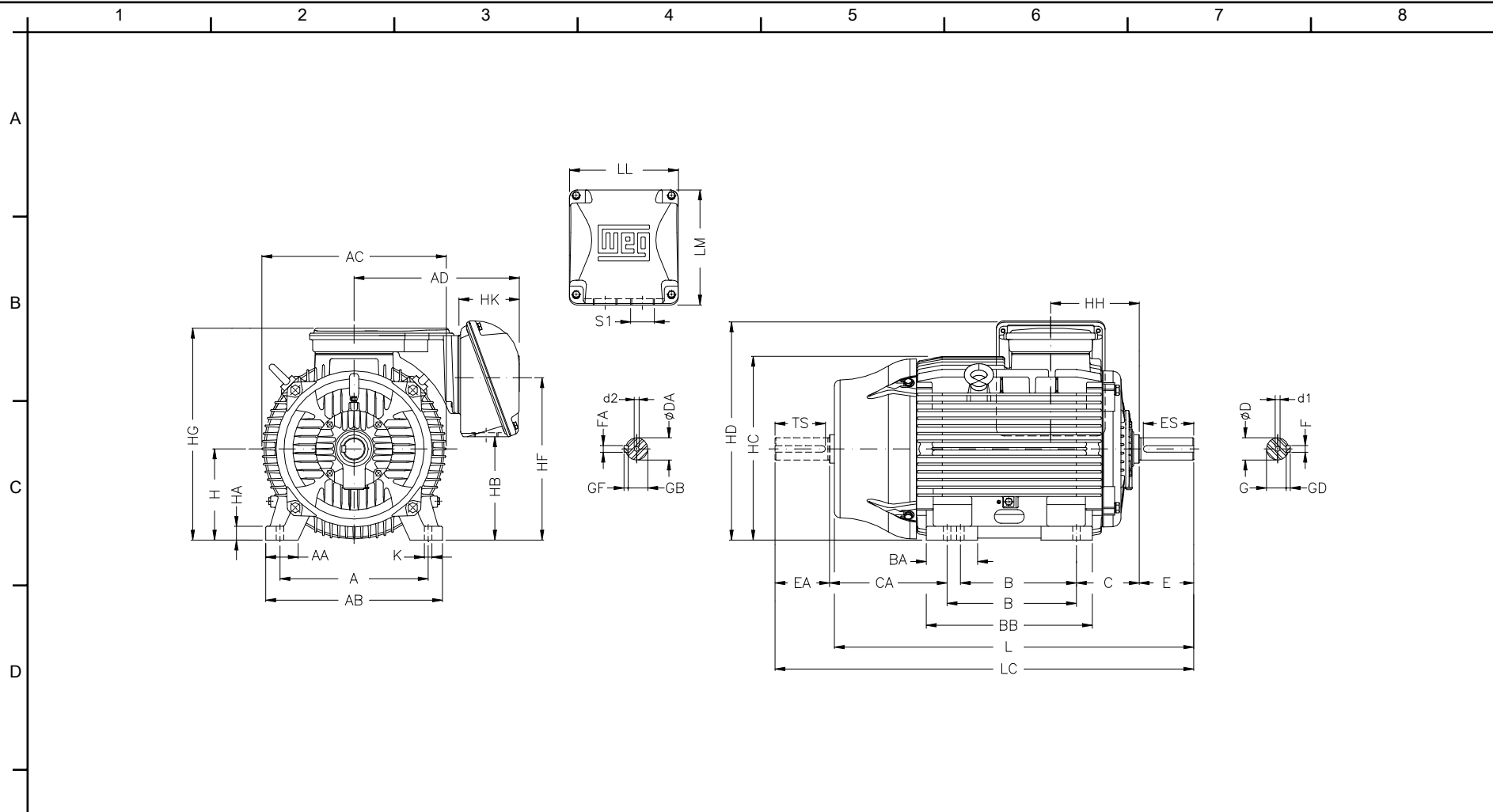
Customer :  
Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame	: 225S/M	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.8
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 3565	Design	: N
Voltage	: 460 V	Locked rotor torque	: 240 %
Rated current	: 66.7 A	Breakdown torque	: 340 %
Insulation class	: F		

Notes:

Performed by

Checked



E	A 356	AA 80	AB 436	AC 455	AD 408	Notes:
	B 286/311	BA 124	BB 412	C 149	CA 319/294	
F	D 55m6	E 110	ES 100	F 16	G 49	Performed by:
	GD 10	DA 55m6	EA 110	TS 100	FA 16	Checked:
	GB 49	GF 10	H 225	HA 34	HC 453	Customer:
	HD 550	K 18.5	L 856	LC 974	S1 2XM50X1.5	Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame
	d1 DM20	d2 DM20	Flange FF-400	LA 18	M 400	Three-phase induction motor
N 350	P 450	T 5	S 19	Angle 22°30'	Frame 225S/M - IP55	24-DEC-2012
	Holes 8					

