



No.:

Date: 24-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Catalog Number : 18518EP3Y315S/M-W22

List Price : \$23,435

Notes:

Performed by:

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame : 315S/M
Output : 250 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1790
Slip : 0.56 %
Voltage : 460 V
Rated current : 283 A
Locked rotor current : 2210 A
Locked rotor current (I_L/I_n) : 7.8
No-load current : 103 A
Full load torque : 724 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 270 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 2456 lb
Moment of inertia : 65.893 sq.ft.lb
Noise level : 75 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6319 C3	6316 C3	100%	0.86	95.4
Regreasing interval	8000 h	10000 h	75%	0.83	95.0
Grease amount	45 g	34 g	50%	0.72	94.1

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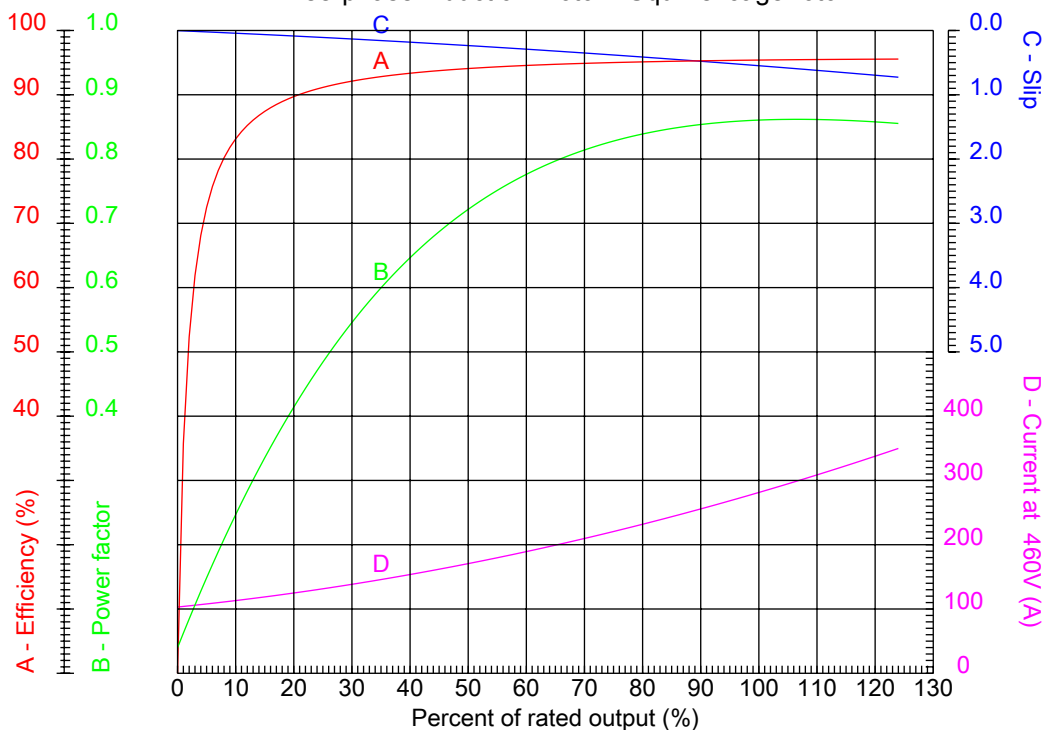


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame	: 315S/M	Locked rotor current (I _l /I _n)	: 7.8
Output	: 250 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1790	Design	: N
Voltage	: 460 V	Locked rotor torque	: 280 %
Rated current	: 283 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

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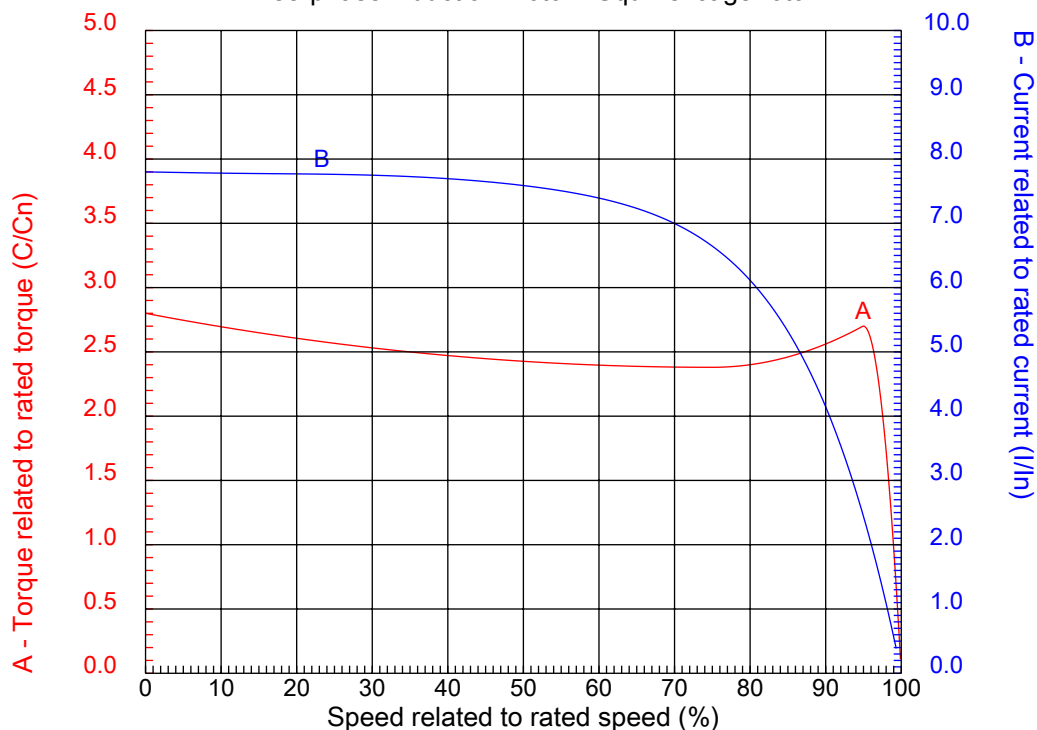
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CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



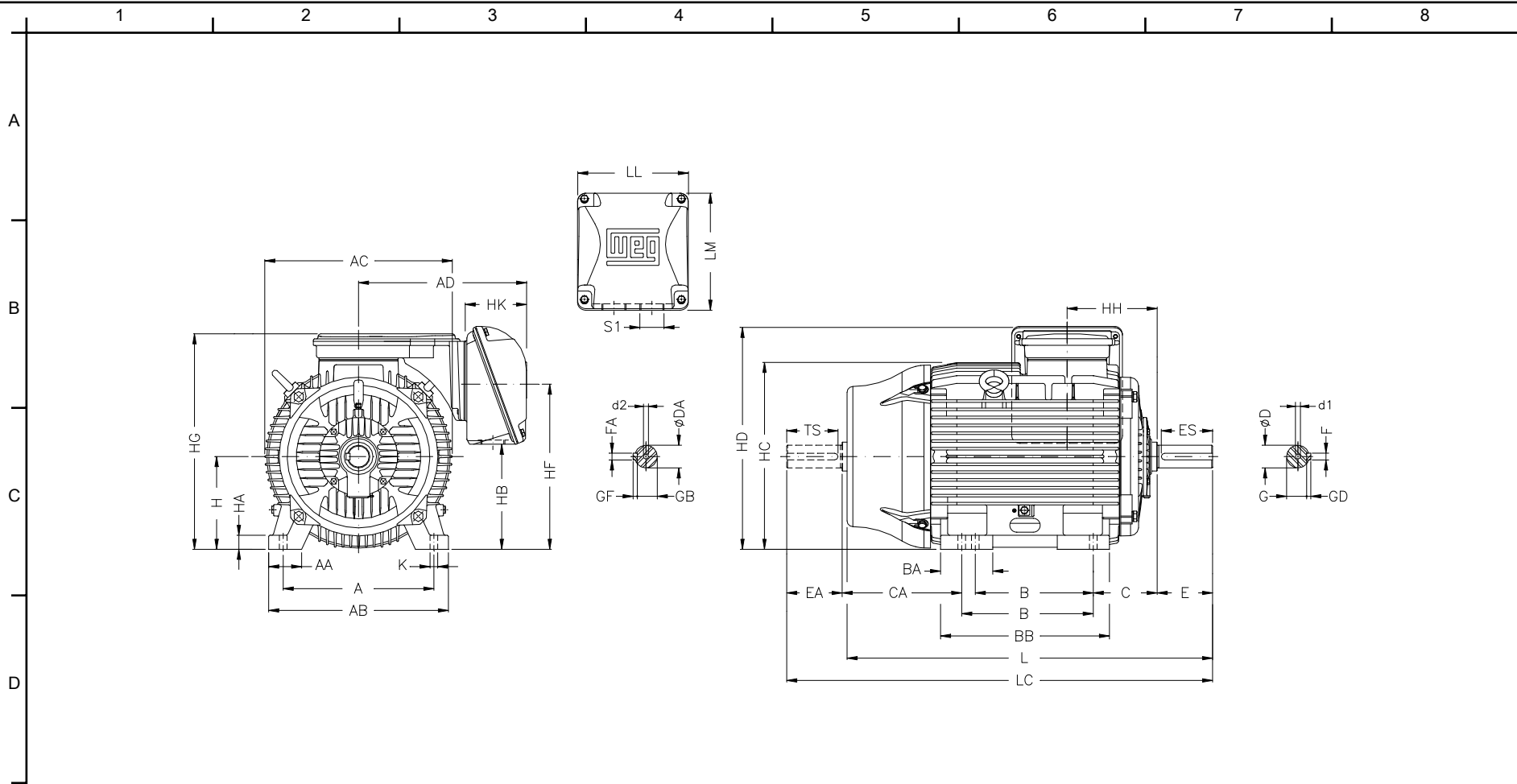
Customer :
Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame	: 315S/M	Locked rotor current (I _l /I _n)	: 7.8
Output	: 250 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1790	Design	: N
Voltage	: 460 V	Locked rotor torque	: 280 %
Rated current	: 283 A	Breakdown torque	: 270 %
Insulation class	: F		

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	A 508	AA 120	AB 630	AC 657	AD 525
	B 406/457	BA 184	BB 621	C 216	CA 494/443
E	D 80m6	E 170	ES 160	F 22	G 71
	GD 14	DA 65m6	EA 140	TS 125	FA 18
	GB 58	GF 11	H 315	HA 48	HB 386
	HC 644	HD 768	HF 615	HG 744	HH 264
	HK 180	K 28	L 1274	LC 1426	LL 379
F	LM 382	S1 2XM63X1,5	d1 DM20	d2 DM20	Flange FF-600
	LA 22	M 600	N 550	P 660	T 6
	S 24	Angle 22°30"	Holes 8		

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Customer:

Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Three-phase induction motor
Frame 315S/M - IP55

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