



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 : 22018EP3Y315L-W22

List Price : \$32,352

Notes:

Performed by:

Checked:



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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 : 315L
Output : 300 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1790
Slip : 0.56 %
Voltage : 460 V
Rated current : 333 A
Locked rotor current : 2660 A
Locked rotor current (I_L/I_n) : 8.0
No-load current : 120 A
Full load torque : 868 lb.ft
Locked rotor torque : 300 %
Breakdown torque : 270 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 14 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 2939 lb
Moment of inertia : 162.72 sq.ft.lb
Noise level : 79 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6319 C3	6316 C3	100%	0.87	95.4
Regreasing interval	8000 h	10000 h	75%	0.84	95.4
Grease amount	45 g	34 g	50%	0.73	94.5

Notes:

Performed by

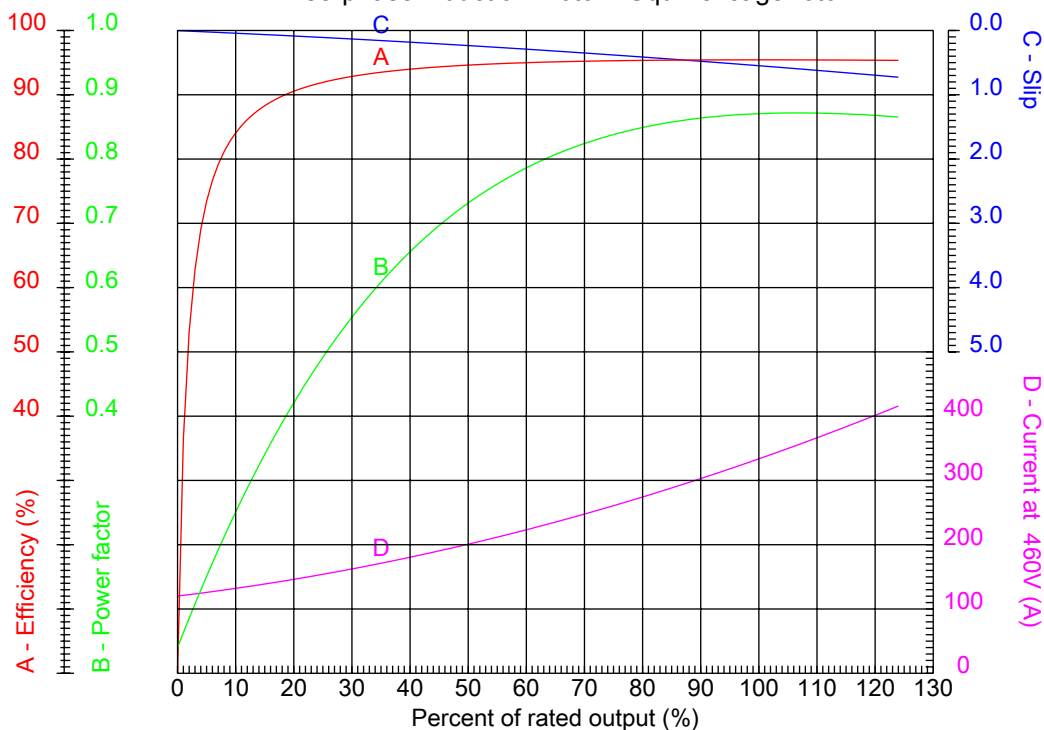
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PERFORMANCE CURVES RELATED TO RATED OUTPUT Three-phase induction motor - Squirrel cage rotor



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

Frame	: 315L	Locked rotor current (I _l /I _n)	: 8.0
Output	: 300 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1790	Design	: N
Voltage	: 460 V	Locked rotor torque	: 300 %
Rated current	: 333 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

Performed by

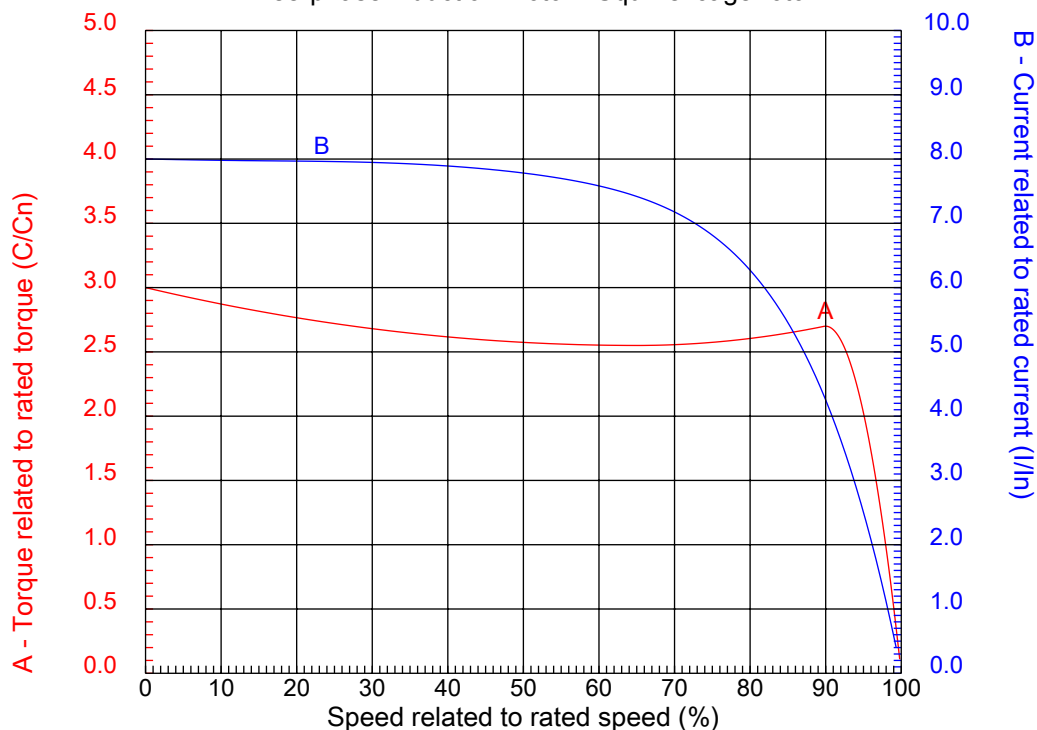
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CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



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

Frame	: 315L	Locked rotor current (I _l /I _n)	: 8.0
Output	: 300 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1790	Design	: N
Voltage	: 460 V	Locked rotor torque	: 300 %
Rated current	: 333 A	Breakdown torque	: 270 %
Insulation class	: F		

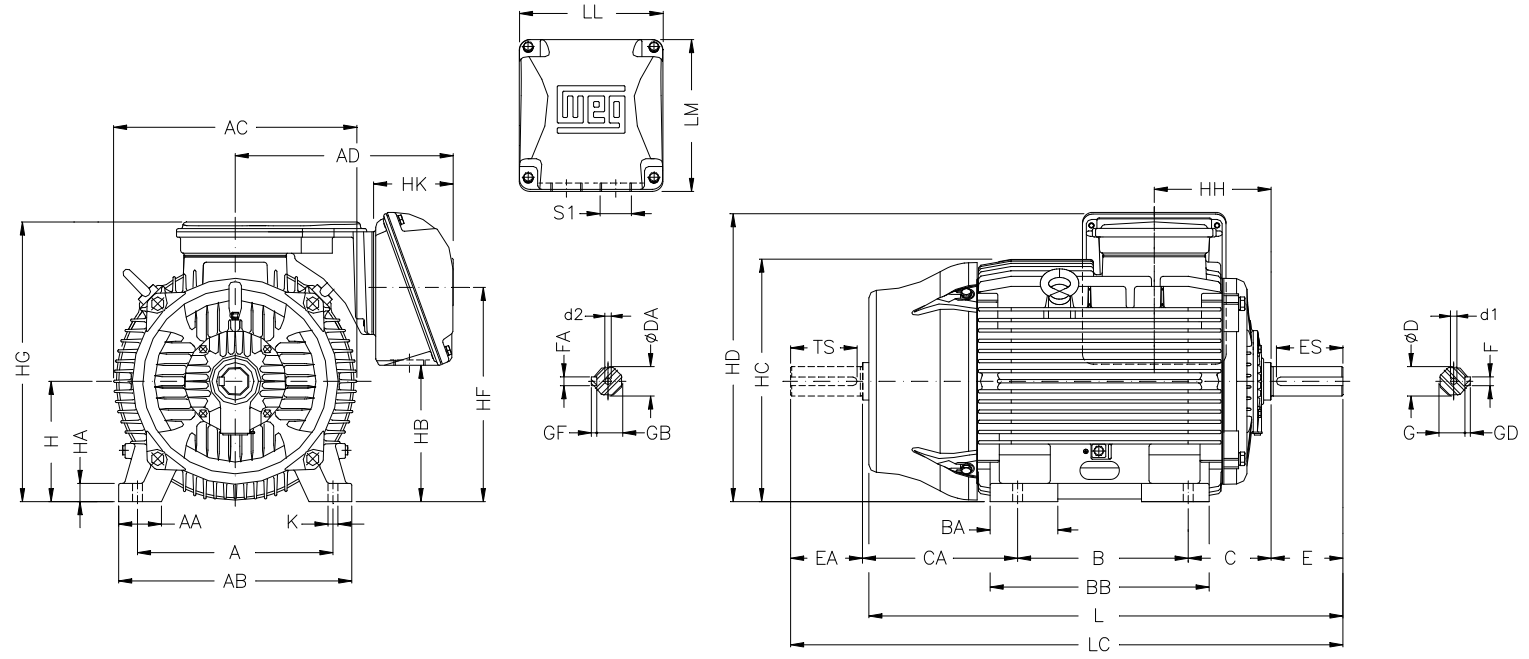
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1 2 3 4 5 6 7 8

A
B
C
D



	A	AA	AB	AC	AD
	508	120	630	657	589
	B	BA	BB	C	CA
	508	219	752	216	497
E	D	E	ES	F	G
	80m6	170	160	22	71
	GD	DA	EA	TS	FA
	14	65m6	140	125	18
	GB	GF	H	HA	HB
	58	11	315	48	336
	HC	HD	HF	HG	HH
	644	774	575	760	284
	HK	K	L	LC	LL
	215	28	1383	1535	404
F	LM	S1	d1	d2	Flange
	438	2XM63X1,5	DM20	DM20	FF-600
	LA	M	N	P	T
	22	600	550	660	6
	S	Angle	Holes		
	24	22°30'	8		

Notes:

Performed by:

Checked:

Customer:

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

Three-phase induction motor
Frame 315L - IP55

24-DEC-2012

