



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

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 : 22012EP3Y315L-W22

List Price : \$41,020

Notes:

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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 : 6
 Full load speed : 1190 rpm
 Slip : 0.83 %
 Voltage : 460 V
 Rated current : 349 A
 Locked rotor current : 2720 A
 Locked rotor current (I_L/I_n) : 7.8
 No-load current : 150 A
 Full load torque : 1306 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 250 %
 Design : ---
 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 m
 Degree of Protection : IP55
 Approximate weight : 3574 lb
 Moment of inertia : 327.96 sq.ft.lb
 Noise level : 71 dB(A)

	D.E.	N.D.E.
Bearings	6319 C3	6316 C3
Regreasing interval	13000 h	16000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.83	95.4
75%	0.78	95.4
50%	0.65	94.5

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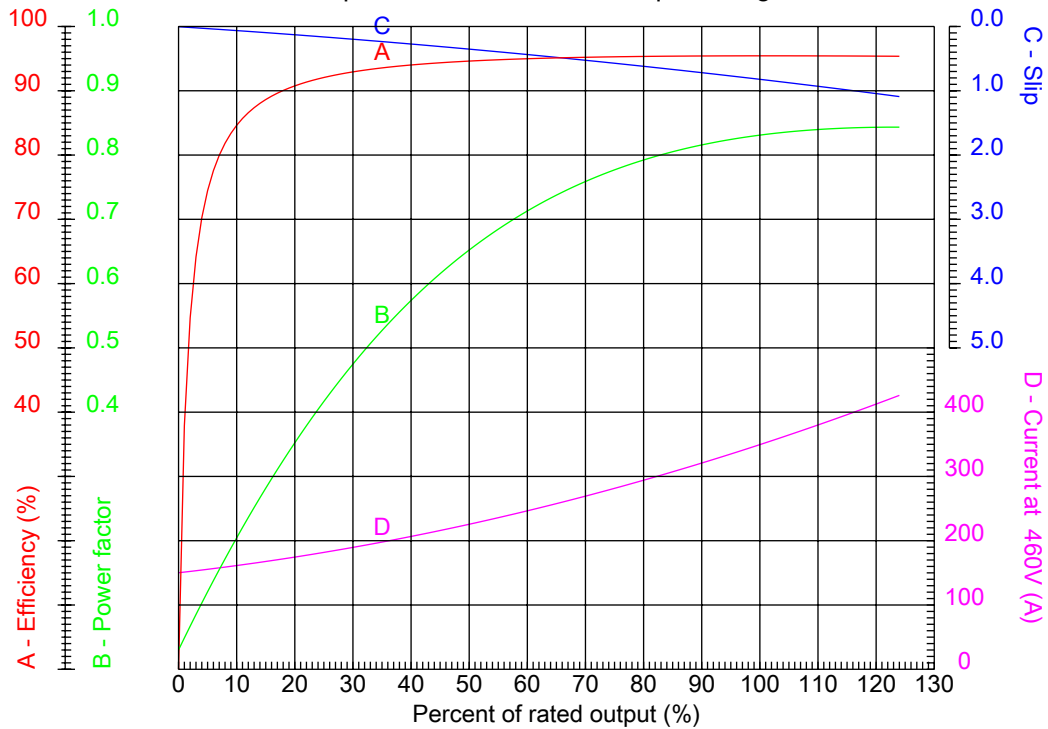
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 315L	Locked rotor current (I _l /I _n)	: 7.8
Output	: 300 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1190 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 280 %
Rated current	: 349 A	Breakdown torque	: 250 %
Insulation class	: F		

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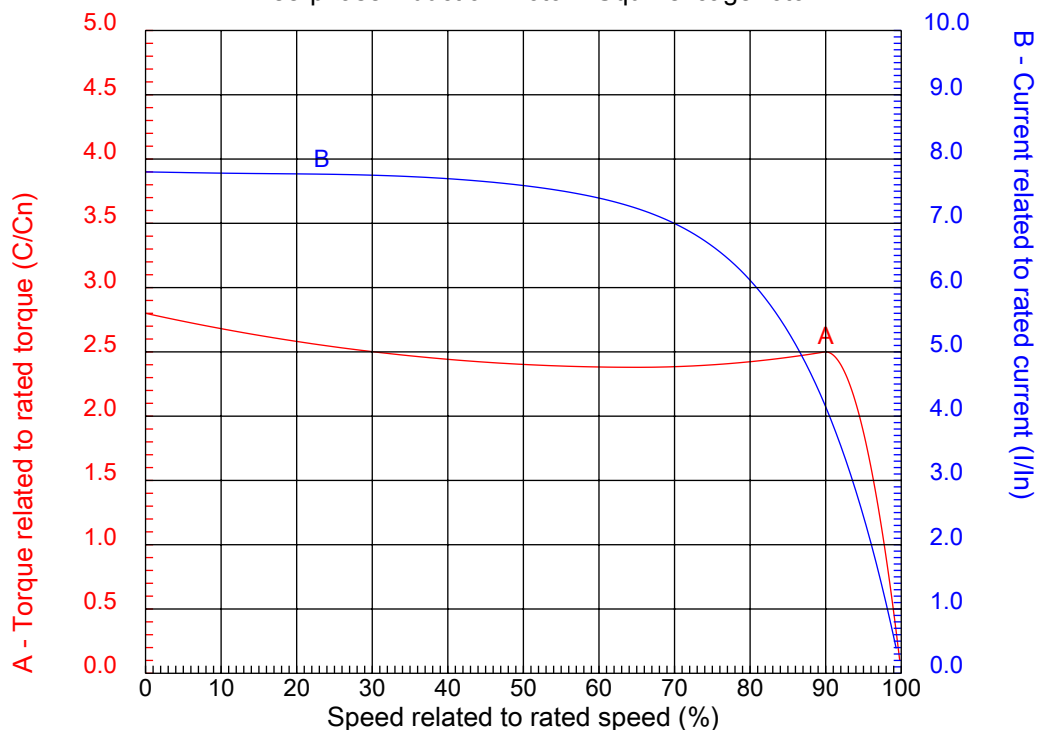
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 315L	Locked rotor current (I _l /I _n)	: 7.8
Output	: 300 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1190 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 280 %
Rated current	: 349 A	Breakdown torque	: 250 %
Insulation class	: F		

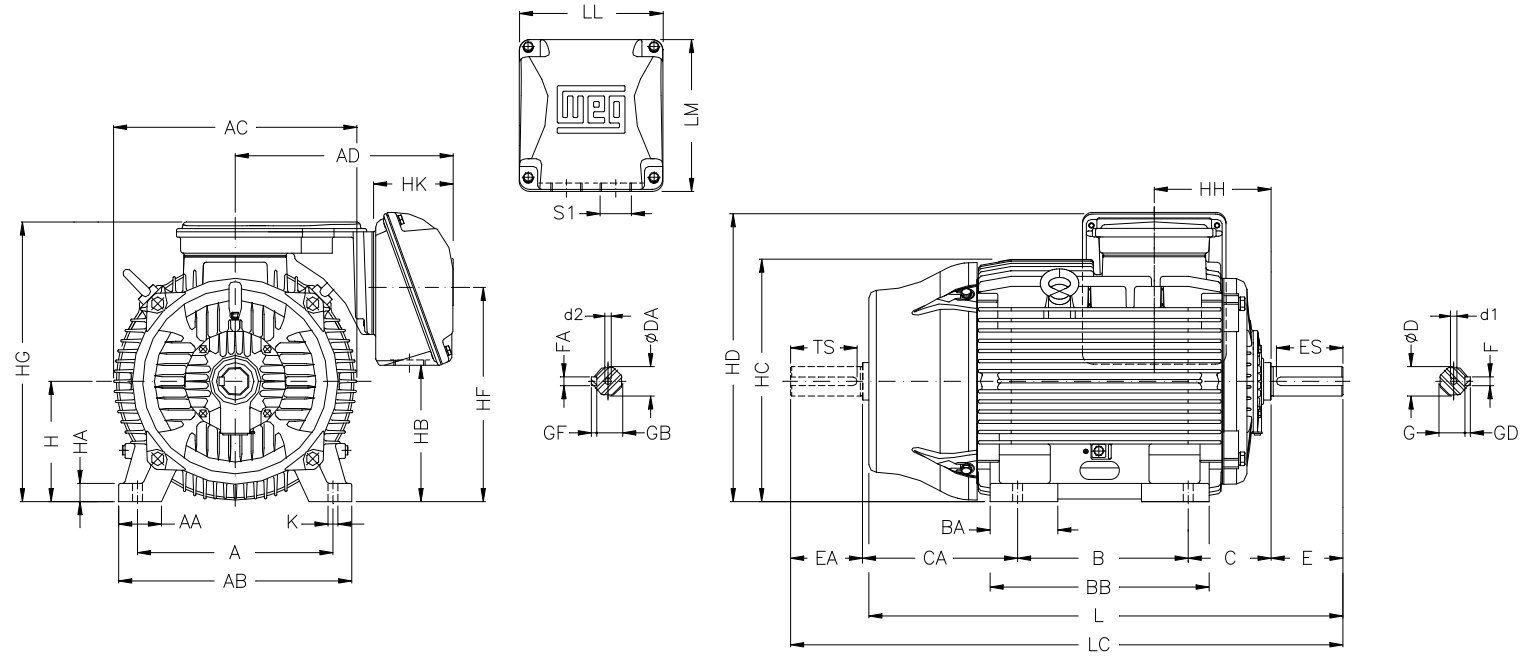
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1 2 3 4 5 6 7 8

A
B
C
D



E	A 508	AA 120	AB 630	AC 657	AD 589
	B 508	BA 219	BB 752	C 216	CA 502
	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 336
F	HC 644	HD 774	HF 575	HG 760	HH 284
	HK 220	K 28	L 1389	LC 1536	LL 404
	LM 436	S1 2xM63x1.5	d1 DM20	d2 DM20	

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Customer:

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Three-phase induction motor
 Frame 315L - IP55

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