



Dealers Industrial Equipment

No.:

Date: 29-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 : 30036EP3Y315L-W22

List Price : \$42,828

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #30036EP3Y315L-W22

Performed by:

Checked:



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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 : 400 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3580 rpm
 Slip : 0.56 %
 Voltage : 460 V
 Rated current : 434 A
 Locked rotor current : 3780 A
 Locked rotor current (I_L/I_n) : 8.7
 No-load current : 100 A
 Full load torque : 579 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 290 %
 Design : ---
 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 m
 Degree of Protection : IP55
 Approximate weight : 3180 lb
 Moment of inertia : 98.923 sq.ft.lb
 Noise level : 90 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.91	95.4
Regreasing interval	4000 h	4000 h	75%	0.89	95.4
Grease amount	27 g	27 g	50%	0.83	95.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #30036EP3Y315L-W22

Performed by

Checked



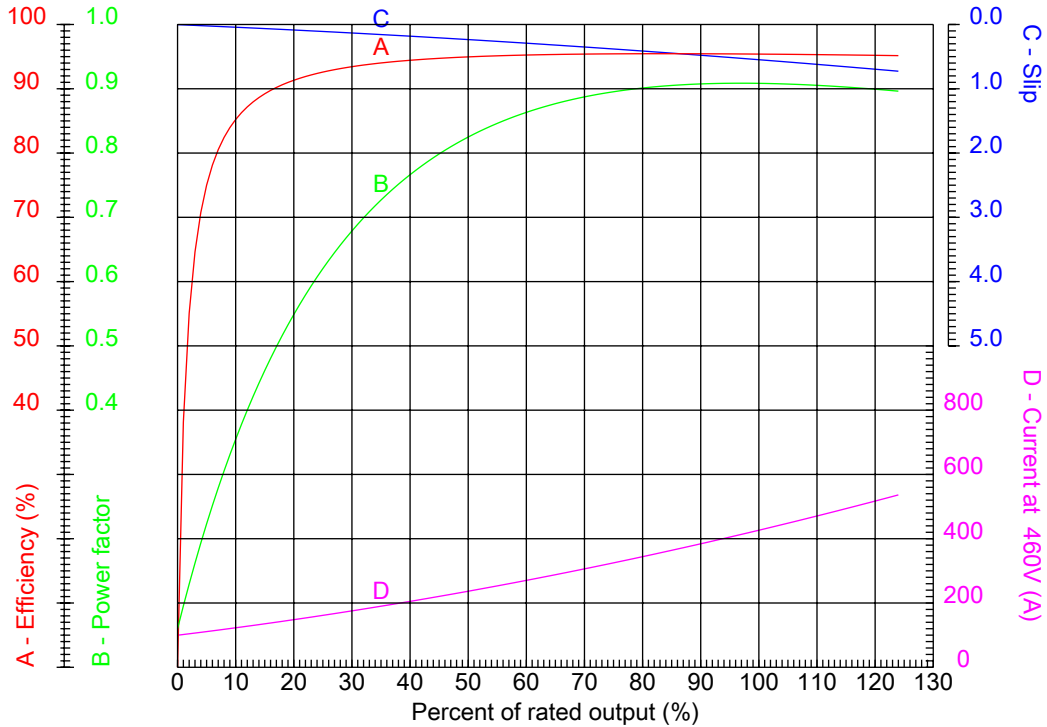
Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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)	: 8.7
Output	: 400 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3580 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 300 %
Rated current	: 434 A	Breakdown torque	: 290 %
Insulation class	: F		

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #30036EP3Y315L-W22

Performed by

Checked



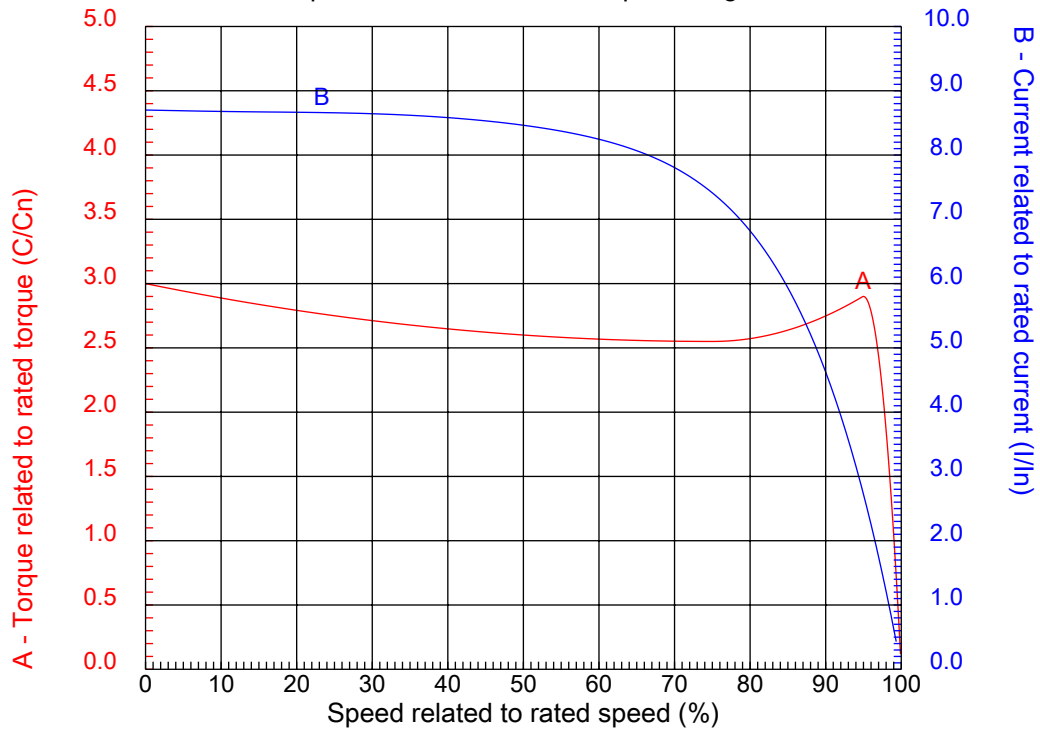
Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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)	: 8.7
Output	: 400 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3580 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 300 %
Rated current	: 434 A	Breakdown torque	: 290 %
Insulation class	: F		

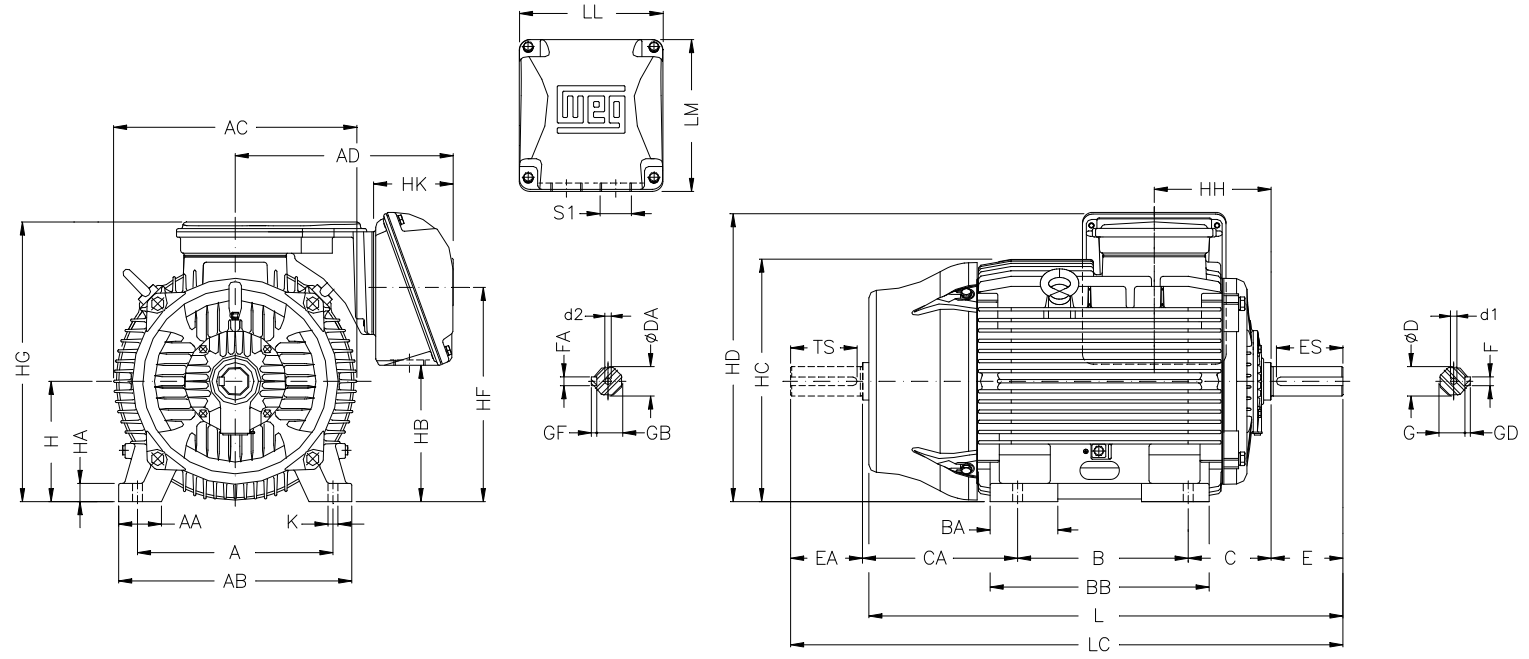
Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #30036EP3Y315L-W22

Performed by

Checked

1 2 3 4 5 6 7 8

A
B
C
D
E
F



Notes: Downloaded from <http://dealerselectric.com>
Generated for Model #30036EP3Y315L-W22

A	AA	AB	AC	AD
508	120	630	657	589
B	BA	BB	C	CA
508	219	752	216	502
D	E	ES	F	G
65m6	140	125	18	58
GD	DA	EA	TS	FA
11	60m6	140	125	18
GB	GF	H	HA	HB
53	11	315	48	336
HC	HD	HF	HG	HH
644	774	575	760	284
HK	K	L	LC	LL
220	28	1353	1506	404
LM	S1	d1	d2	
436	2xM63x1.5	DM20	DM20	

Performed by:

Checked:

Customer:

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

Three-phase induction motor
Frame 315L - IP55

29-SEP-2016

