



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 : 04509EP3Y280S/M-W22

List Price : \$11,442

Notes:

Performed by:

Checked:



No.:

Date: 24-DEC-2012

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 : 280S/M
Output : 60 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 885
Slip : 1.67 %
Voltage : 460 V
Rated current : 77.0 A
Locked rotor current : 585 A
Locked rotor current (I_L/I_n) : 7.6
No-load current : 37.0 A
Full load torque : 351 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 270 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 32 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 1455 lb
Moment of inertia : 64.256 sq.ft.lb
Noise level : 63 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6316 C3	6316 C3	100%	0.78	94.1
Regreasing interval	20000 h	20000 h	75%	0.74	93.6
Grease amount	34 g	34 g	50%	0.63	91.0

Notes:

Performed by

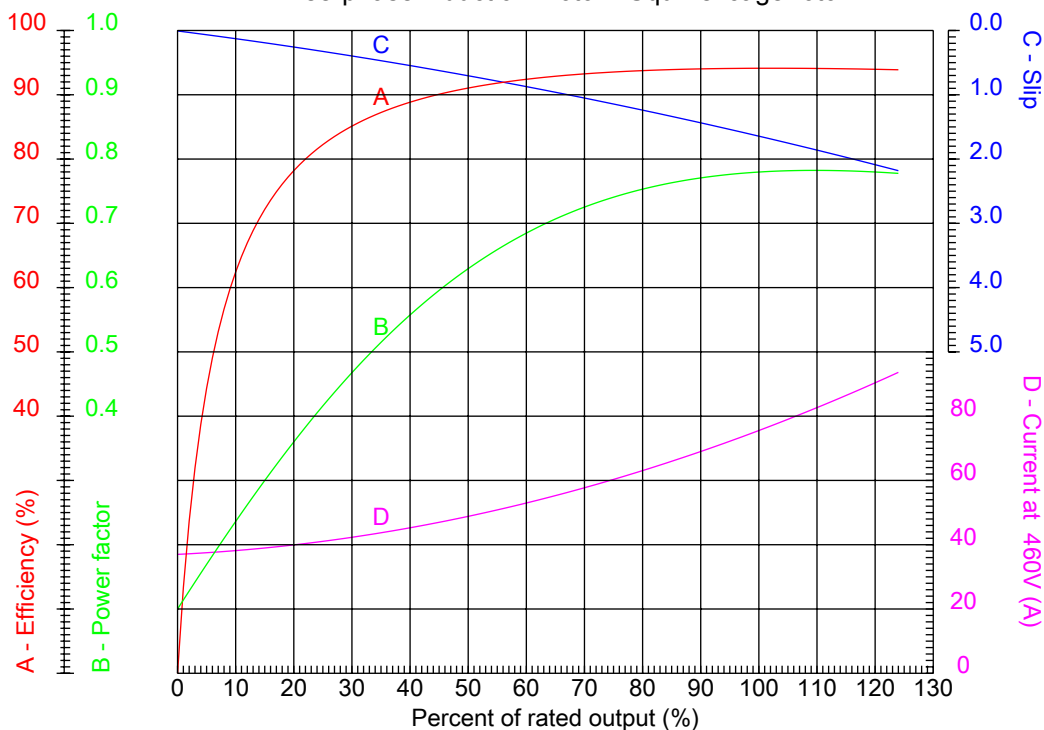
Checked



No.:

Date: 24-DEC-2012

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	: 280S/M	Locked rotor current (I _l /I _n)	: 7.6
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 885	Design	: N
Voltage	: 460 V	Locked rotor torque	: 220 %
Rated current	: 77.0 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

Performed by

Checked

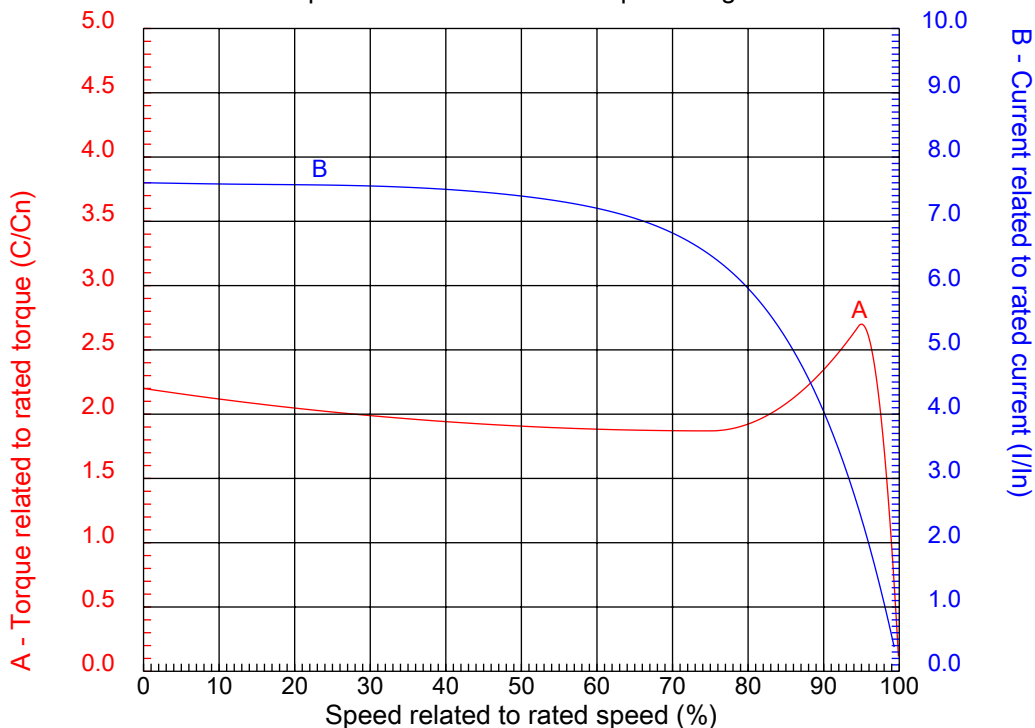


No.:

Date: 24-DEC-2012

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



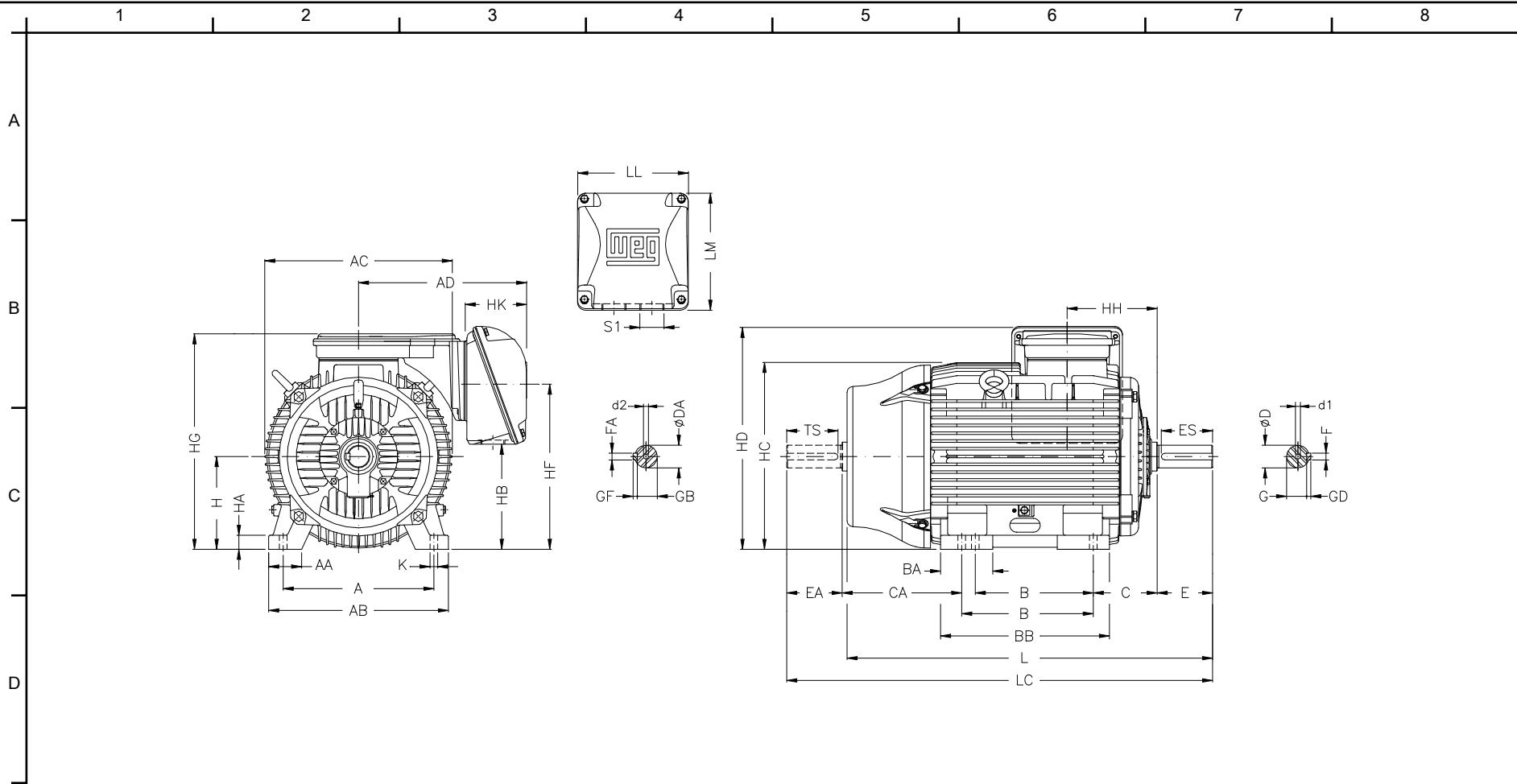
Customer :
Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame	: 280S/M	Locked rotor current (I _l /I _n)	: 7.6
Output	: 60 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 885	Design	: N
Voltage	: 460 V	Locked rotor torque	: 220 %
Rated current	: 77.0 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:

Performed by

Checked



	A 457	AA 100	AB 557	AC 599	AD 450
	B 368/419	BA 151	BB 517	C 190	CA 385/334
E	D 75m6	E 140	ES 125	F 20	G 67.5
	GD 12	DA 65m6	EA 140	TS 125	FA 18
	GB 58	GF 11	H 280	HA 42	HB 383
	HC 580	HD 696	HF 556	HG 686	HH 266
	HK 153	K 24	L 1071	LC 1223	LL 314
F	LM 312	S1 2XM63X1,5	d1 DM20	d2 DM20	Flange FF-500
	LA 18	M 500	N 450	P 550	T 5
	S 19	Angle 22°30'	Holes 8		

Notes:

Performed by:

Checked:

Customer:

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

Three-phase induction motor
Frame 280S/M - IP55

24-DEC-2012

