



No.:

Date: 19-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Catalog Number : 00112OT3E145T

List Price : \$446

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Frame : E143/5T
Output : 1 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1145
Slip : 4.58 %
Voltage : 208-230/460 V
Rated current : 3.60-3.26/1.63 A
Locked rotor current : 19.6/9.78 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 2.20/1.10 A
Full load torque : 4.52 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 290 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 15 s (hot)
Service factor : 1.15 (1.00 at 208V)
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP21
Approximate weight : 37 lb
Moment of inertia : 0.14285 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 ZZ	6204 ZZ	100%	0.70	82.5
Regreasing interval	---	---	75%	0.61	81.5
Grease amount	---	---	50%	0.48	78.5

Notes:

Performed by

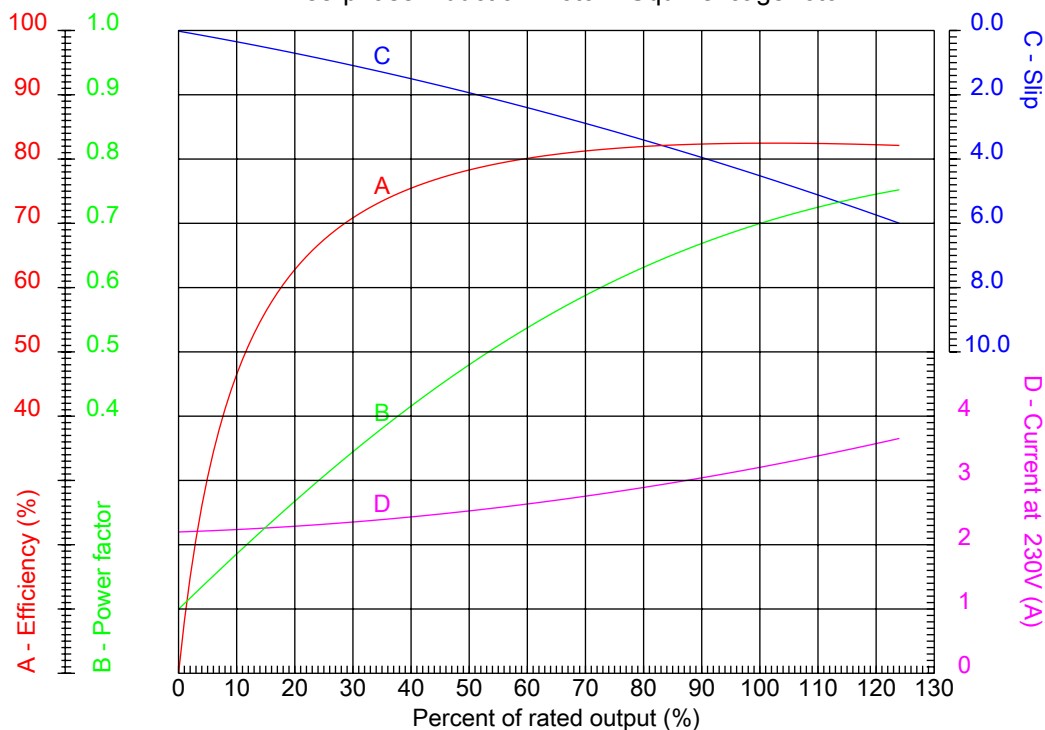
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PERFORMANCE CURVES RELATED TO RATED OUTPUT
Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Frame	: E143/5T	Locked rotor current (I _l /I _n)	: 6.0
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 1145	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 3.60-3.26/1.63 A	Breakdown torque	: 290 %
Insulation class	: F		

Notes:

Performed by

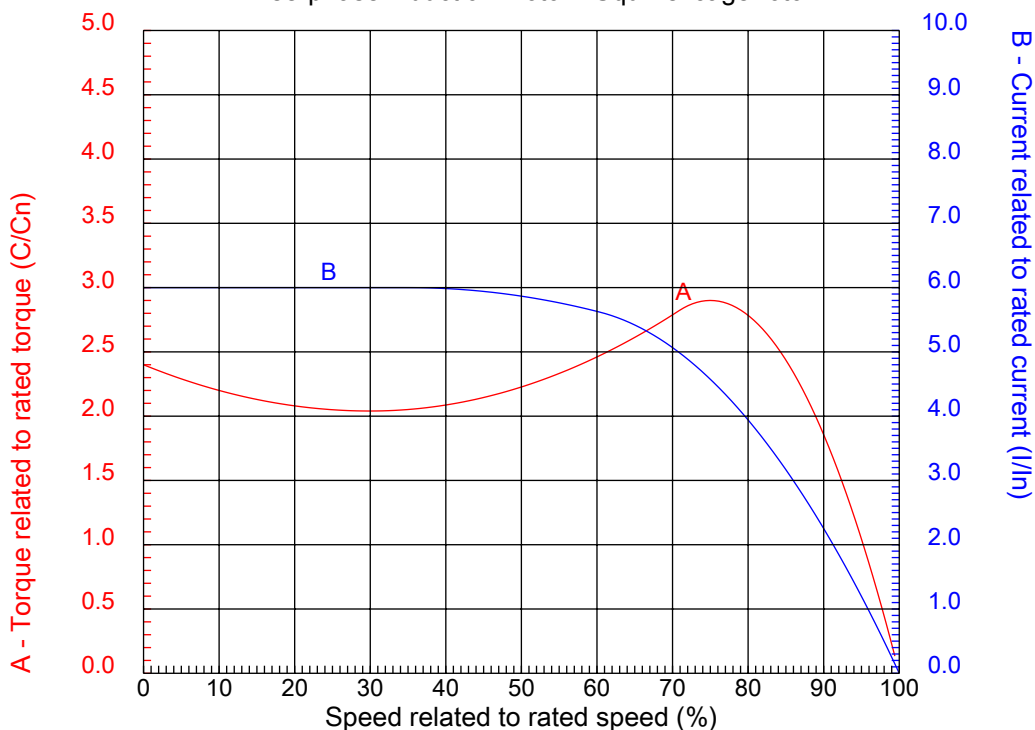
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CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



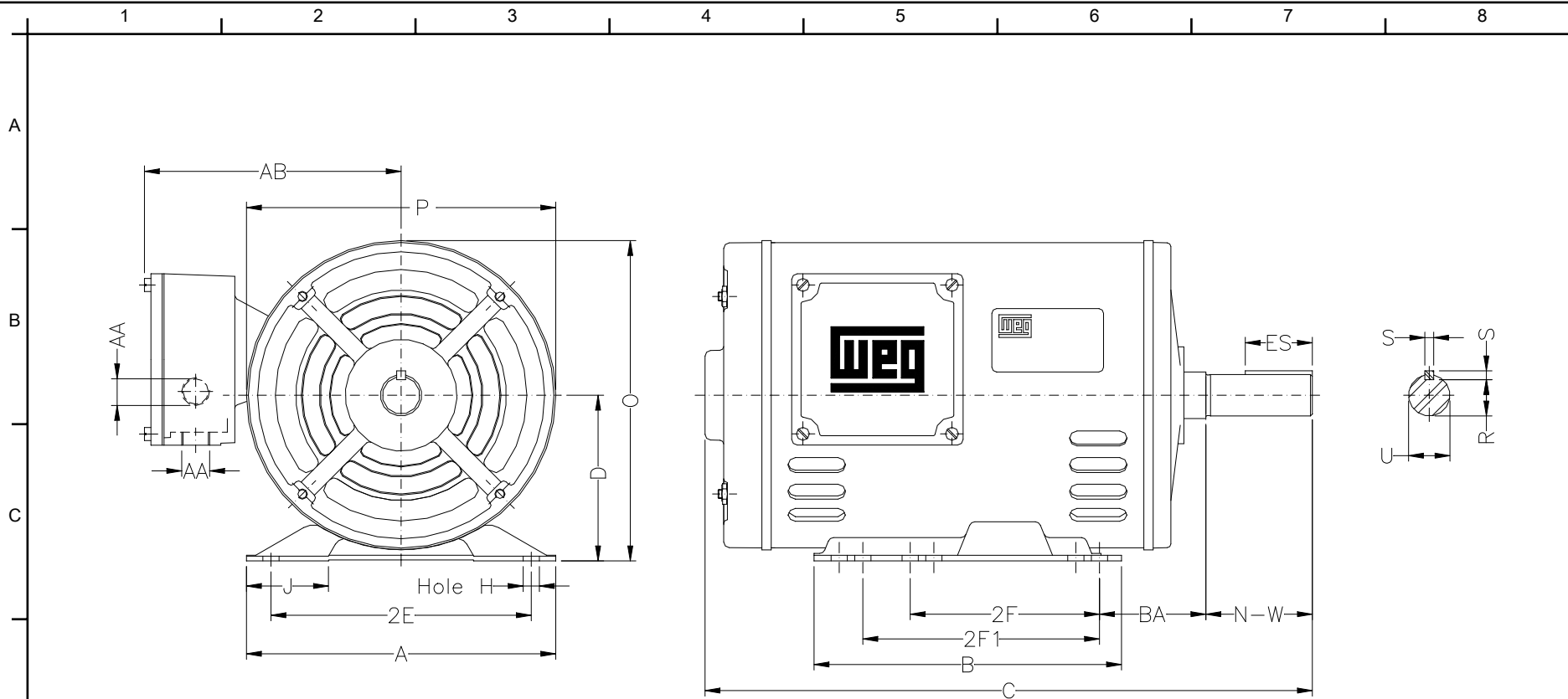
Customer :
Product line : Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Frame	: E143/5T	Locked rotor current (I _l /I _n)	: 6.0
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15 (1.00 at 208V)
Full load speed	: 1145	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 3.60-3.26/1.63 A	Breakdown torque	: 290 %
Insulation class	: F		

Notes:

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Customer:

Three-Phase : ODP (IP21/IP23) - NEMA Premium Efficiency

Three-phase induction motor
Frame E143/5T - IP21

19-DEC-2012



2E	A	2F	B	BA
5.500	6.535	4.000	6.496	2.250
J	K	P	ES	depth
1.732	1.988	6.535	1.417	0.187
S	D	N-W	G	U
0.187	3.500	2.250	0.120	0.8750
O	T	HD	R	H
6.772	653.228	660	0.766	0.342
C	AA	Flange	AJ	AK
12.047	2XNPT 1/2"	C	5.874	4.500
BD	BF	BB	BC	AH
6.535	UNC 3/8"x16	0.157	---	