



Dealers Industrial Equipment

No.:

Date: 23-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 : 02209EP3Y225S/M-W22

List Price : \$6,702

Notes:

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Generated for Model #02209EP3Y225S/M-W22

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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 : 225S/M  
 Output : 30 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 885 rpm  
 Slip : 1.67 %  
 Voltage : 460 V  
 Rated current : 36.9 A  
 Locked rotor current : 255 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.9  
 No-load current : 16.8 A  
 Full load torque : 176 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 270 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 16 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 789 lb  
 Moment of inertia : 23.023 sq.ft.lb  
 Noise level : 60 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.81	92.4
75%	0.77	92.4
50%	0.65	91.7

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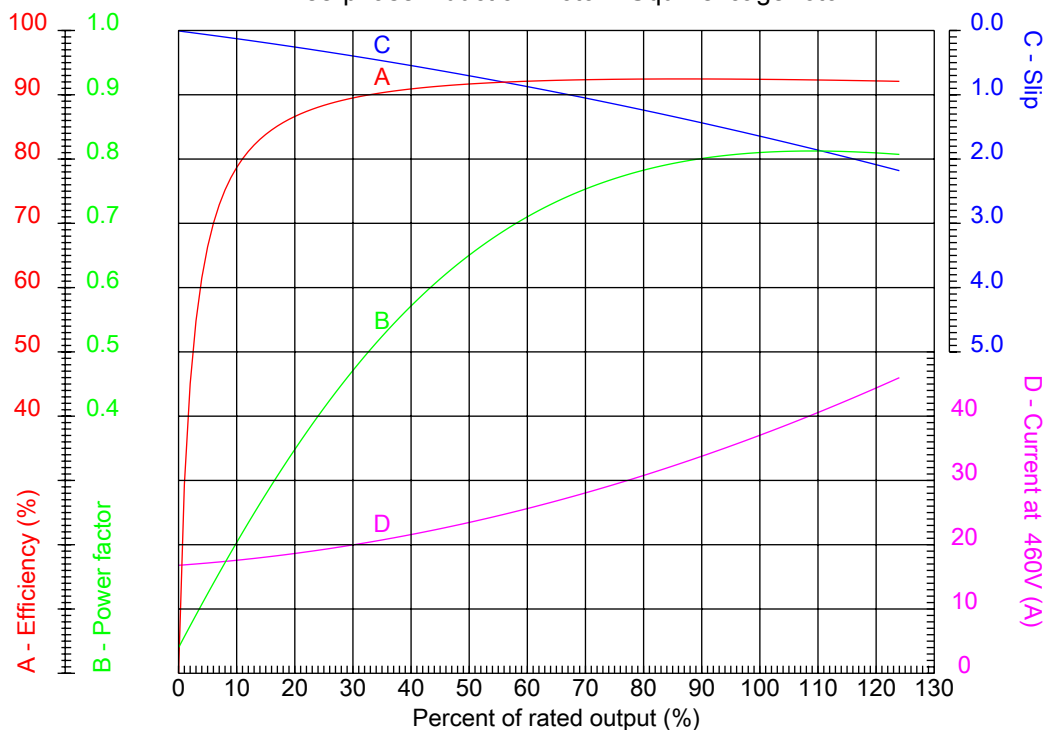
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 225S/M	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.9
Output	: 30 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 885 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 220 %
Rated current	: 36.9 A	Breakdown torque	: 270 %
Insulation class	: F		

Notes:  
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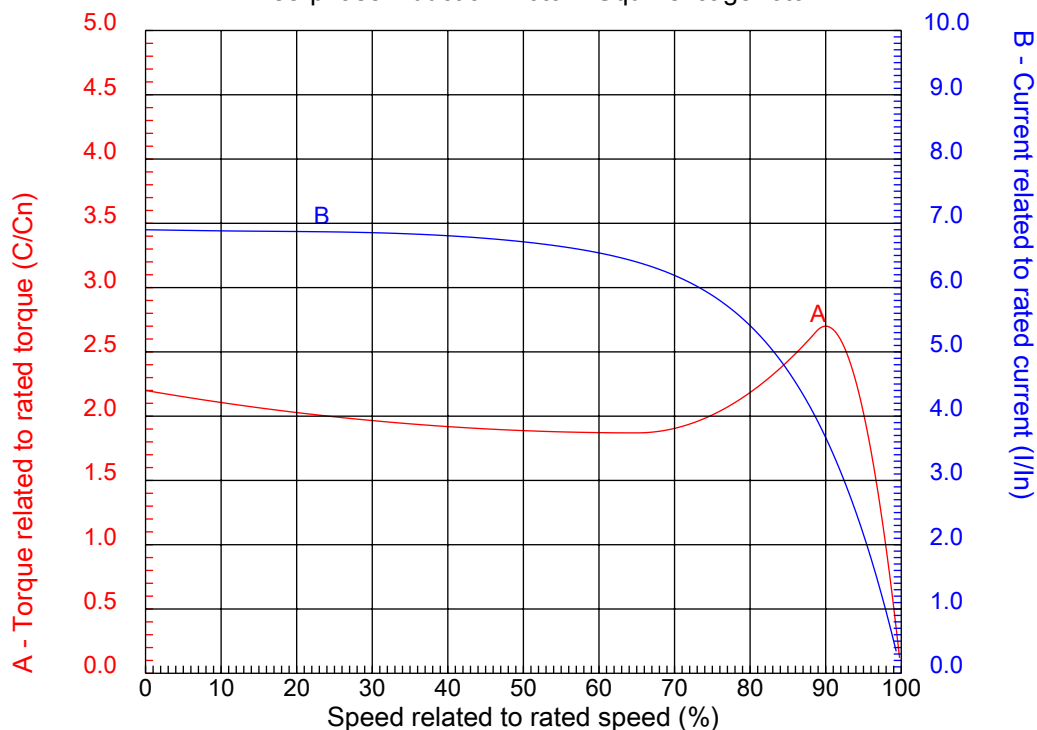
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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 225S/M	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.9
Output	: 30 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 885 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 220 %
Rated current	: 36.9 A	Breakdown torque	: 270 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

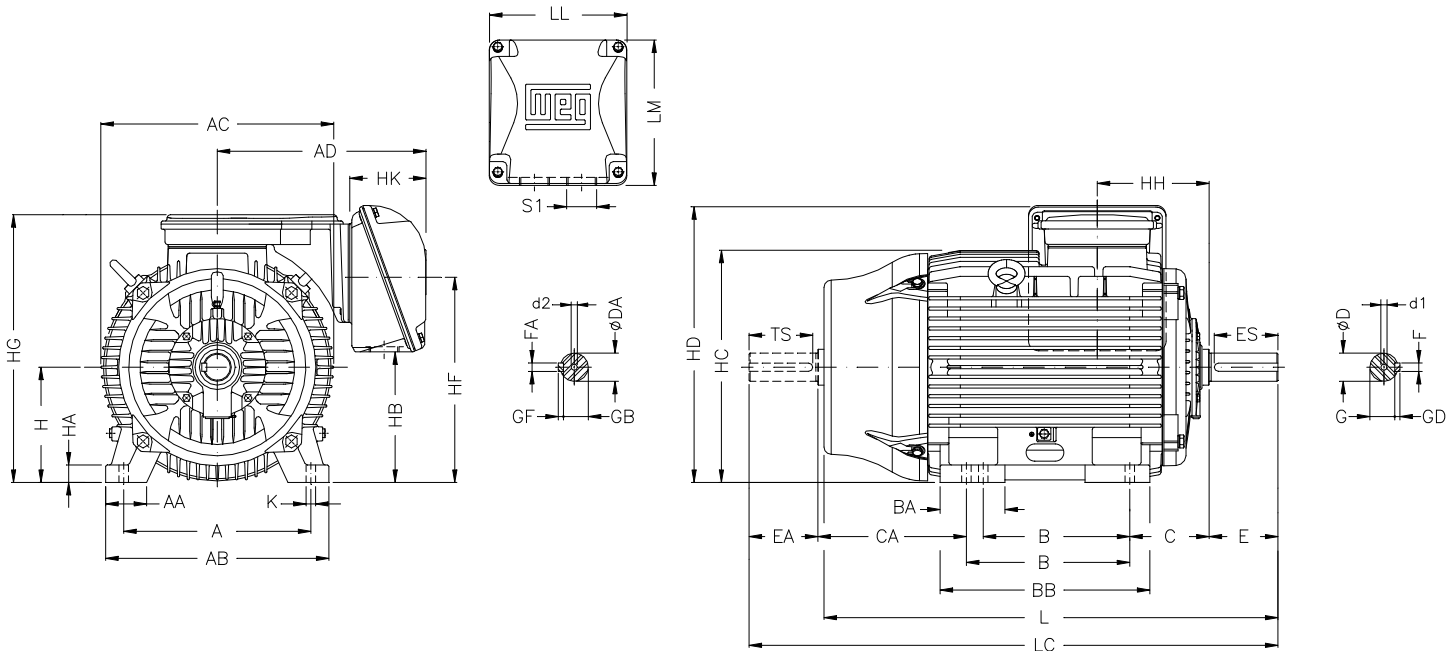
B

C

D

E

F



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Customer:

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

Three-phase induction motor  
Frame 225S/M - IP55

23-SEP-2016



A	AA	AB	AC	AD
356	80	436	455	410
B	BA	BB	C	CA
286/311	124	412	149	319/294
D	E	ES	F	G
60m6	140	125	18	53
GD	DA	EA	TS	FA
11	60m6	140	125	18
GB	GF	H	HA	HB
53	11	225	34	254
HC	HD	HF	HG	HH
453	541	421	534	212
HK	K	L	LC	LL
153	18.5	886	1034	269
LM	S1	d1	d2	
285	2xM50x1.5	DM20	DM20	