



No.:

Date: 13-MAY-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W21 - Cast Iron Frame - Standard Efficiency - IE1

Catalog Number :

List Price : \$

Notes:

Performed by:

Checked:



No.:

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## DATA SHEET

### Three-phase induction motor - Squirrel cage rotor

Customer :  
Product line : W21 - Cast Iron Frame - Standard Efficiency - IE1

Frame : 63  
Output : 0.18 kW  
Frequency : 50 Hz  
Poles : 4  
Full load speed : 1360  
Slip : 9.33 %  
Voltage : 230/400 V  
Rated current : 1.05/0.605 A  
Locked rotor current : 3.58/2.06 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 3.4  
No-load current : 0.974/0.560 A  
Full load torque : 1.26 Nm  
Locked rotor torque : 200 %  
Breakdown torque : 220 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 23 s (hot)  
Service factor : 1.00  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP55  
Approximate weight : 7 kg  
Moment of inertia : 0.00039 kgm<sup>2</sup>  
Noise level : 44 dB(A)



	D.E.	N.D.E.
Bearings	6201 ZZ	6201 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.74	58.0
75%	0.63	54.0
50%	0.49	46.0

Notes:

Efficiencies according to the indirect method of IEC 60034-2-1:2007 with stray load losses determined from measurement.

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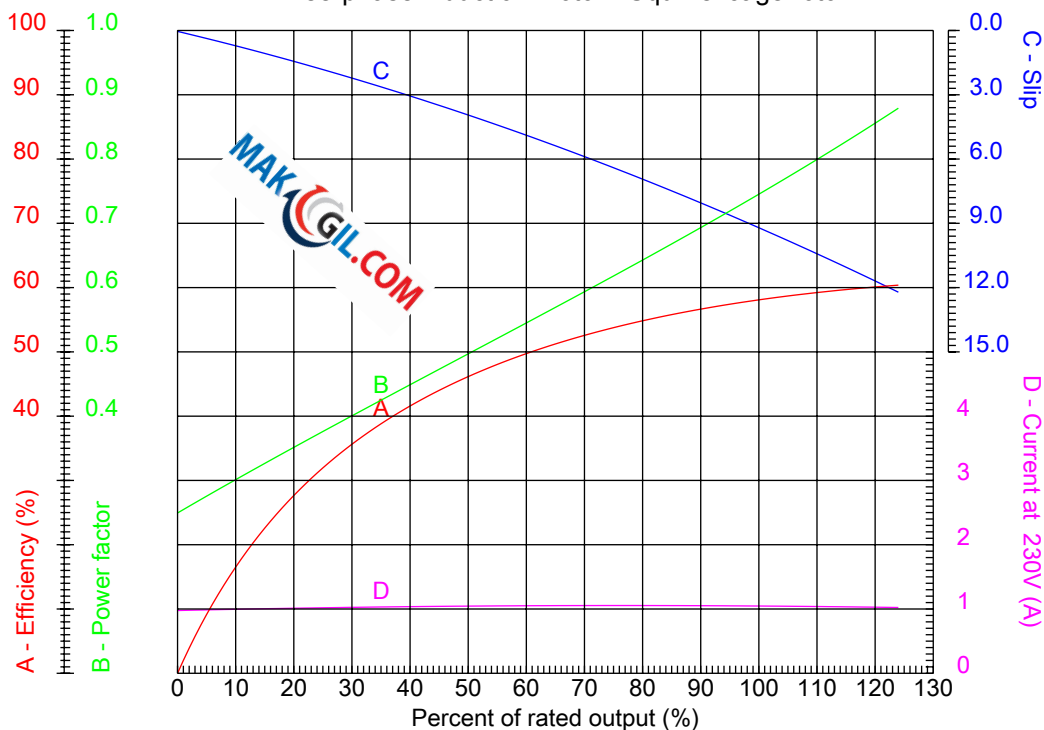


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### PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W21 - Cast Iron Frame - Standard Efficiency - IE1

Frame : 63	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 3.4
Output : 0.18 kW	Duty cycle : S1
Frequency : 50 Hz	Service factor : 1.00
Full load speed : 1360	Design : ---
Voltage : 230/400 V	Locked rotor torque : 200 %
Rated current : 1.05/0.605 A	Breakdown torque : 220 %
Insulation class : F	

Notes:

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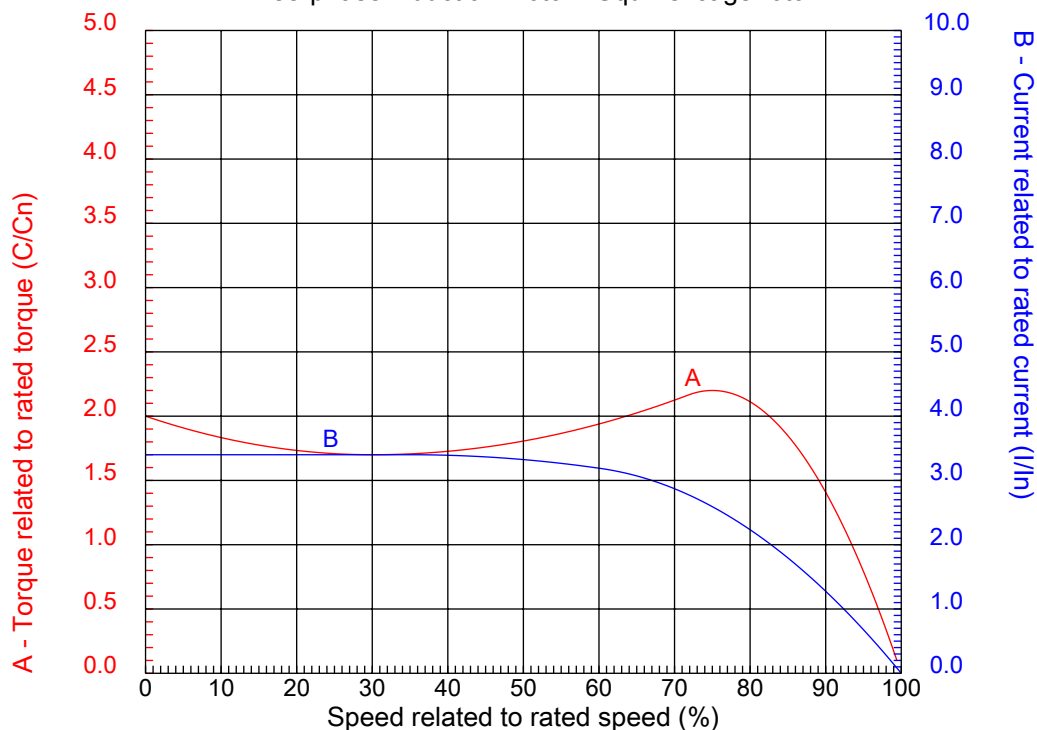


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### CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



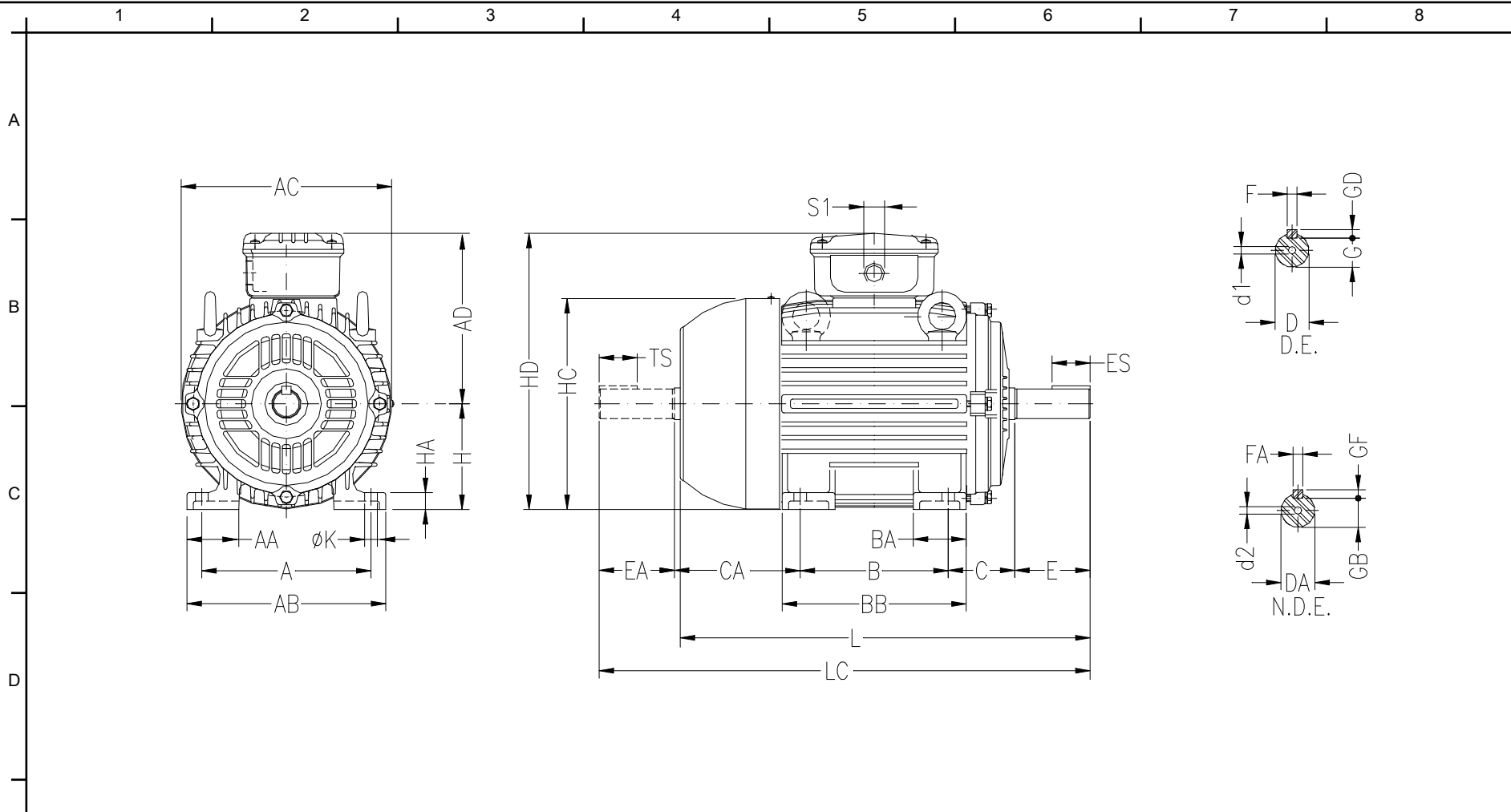
Customer :  
Product line : W21 - Cast Iron Frame - Standard Efficiency - IE1

Frame	: 63	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 3.4
Output	: 0.18 kW	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 1360	Design	: ---
Voltage	: 230/400 V	Locked rotor torque	: 200 %
Rated current	: 1.05/0.605 A	Breakdown torque	: 220 %
Insulation class	: F		

Notes:

Performed by

Checked



Notes:

A	AA	AB	AC	AD
100	21	116	125	119
B	BA	BB	C	CA
80	22	95	40	78
D	E	ES	F	G
11j6	23	14	4	8,5
GD	DA	EA	TS	FA
4	9j6	20	12	3
GB	GF	H	HA	HC
7.2	3	63	8	124
K	L	LC	S1	d1
7	216	241	2xM20x1.5	EM4
d2				
EM3				

Performed by:

Checked:

Customer:

W21 - Cast Iron Frame - Standard Efficiency - IE1

Three-phase induction motor  
Frame 63 - IP55

13-MAY-2016

