



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:



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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 : 0.12 kW  
Frequency : 50 Hz  
Poles : 6  
Full load speed : 855  
Slip : 14.50 %  
Voltage : 230/400 V  
Rated current : 0.932/0.536 A  
Locked rotor current : 2.42/1.39 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 2.6  
No-load current : 0.870/0.500 A  
Full load torque : 1.34 Nm  
Locked rotor torque : 170 %  
Breakdown torque : 160 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 46 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 : 0.00051 kgm<sup>2</sup>  
Noise level : 43 dB(A)



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

Load	Power factor	Efficiency (%)
100%	0.71	45.5
75%	0.60	46.7
50%	0.49	40.7

Notes:

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

Performed by

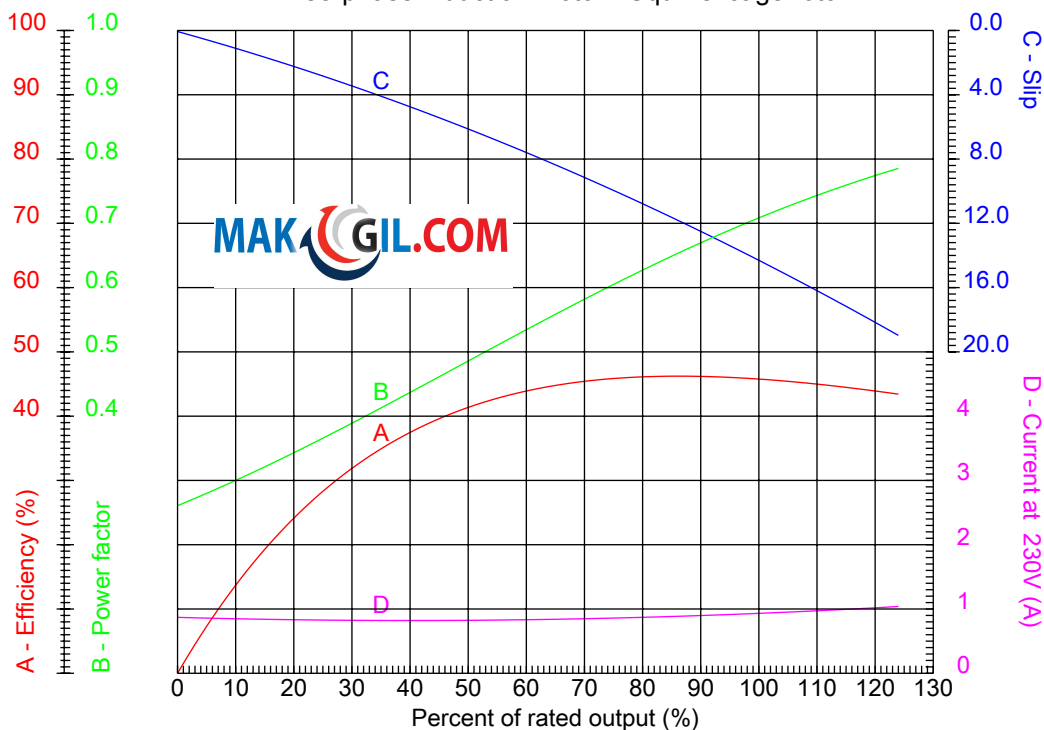
Checked



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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> )	: 2.6
Output	: 0.12 kW	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 855	Design	: ---
Voltage	: 230/400 V	Locked rotor torque	: 170 %
Rated current	: 0.932/0.536 A	Breakdown torque	: 160 %
Insulation class	: F		

Notes:

Performed by

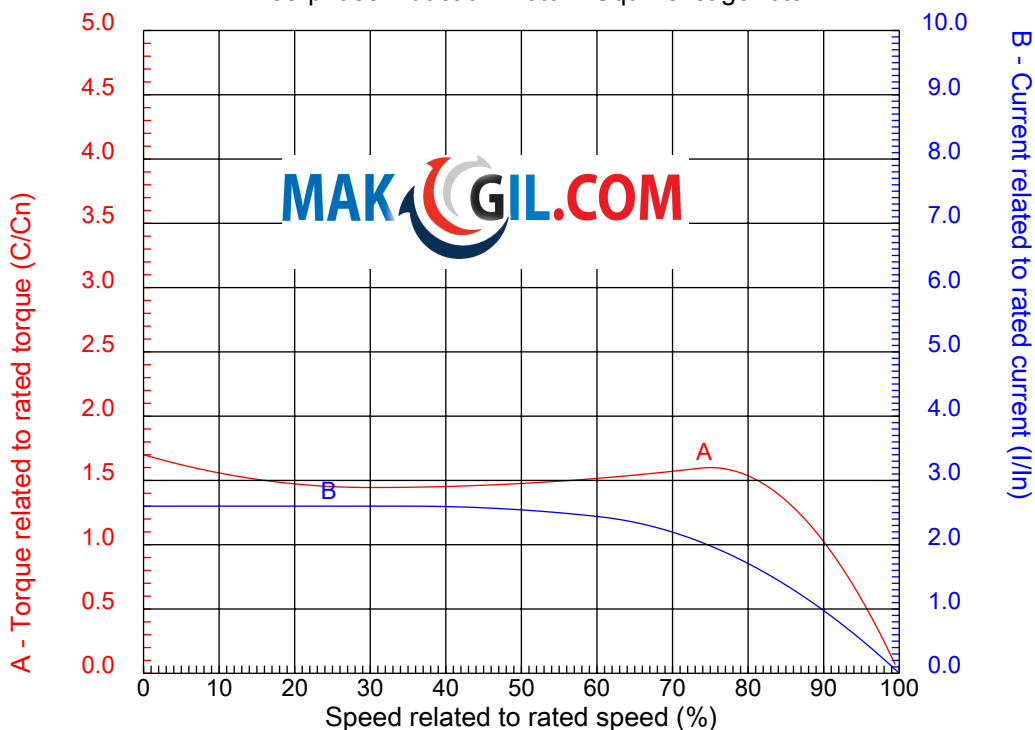
Checked



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



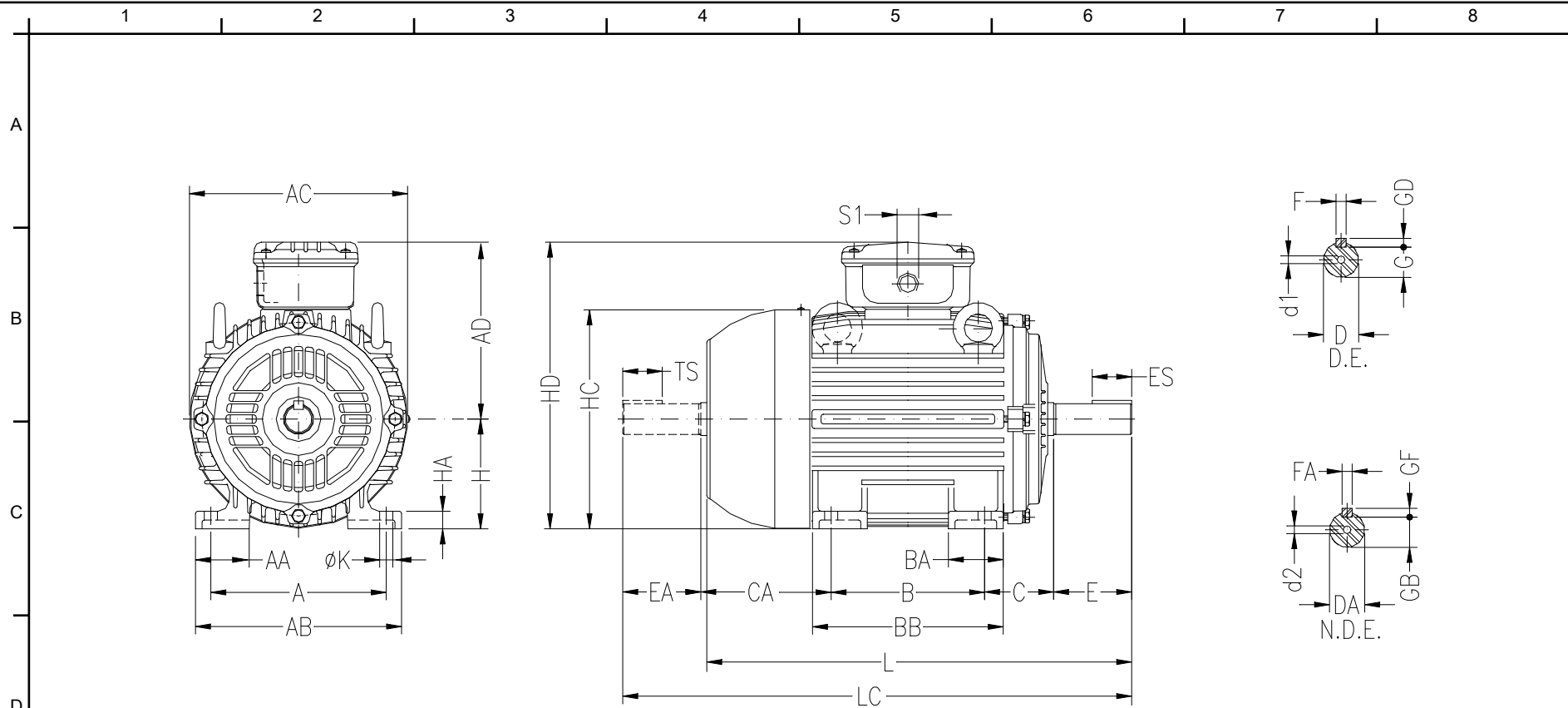
Customer :  
Product line : W21 - Cast Iron Frame - Standard Efficiency - IE1

Frame	: 63	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 2.6
Output	: 0.12 kW	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 855	Design	: ---
Voltage	: 230/400 V	Locked rotor torque	: 170 %
Rated current	: 0.932/0.536 A	Breakdown torque	: 160 %
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:	W21 - Cast Iron Frame - Standard Efficiency - IE1	13-MAY-2016	
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Customer:			
Three-phase induction motor Frame 63 - IP55			