



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.:

Date: 13-MAY-2016

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 : 2
Full load speed : 2720
Slip : 9.33 %
Voltage : 400/690 V
Rated current : 0.387/0.224 A
Locked rotor current : 1.47/0.853 A
Locked rotor current (I_L/I_n) : 3.8
No-load current : 0.360/0.209 A
Full load torque : 0.422 Nm
Locked rotor torque : 230 %
Breakdown torque : 230 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 27 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 4 kg
Moment of inertia : 0.00011 kgm²
Noise level : 52 dB(A)



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

Load	Power factor	Efficiency (%)
100%	0.80	56.0
75%	0.68	53.5
50%	0.55	45.5

Notes:

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

Performed by

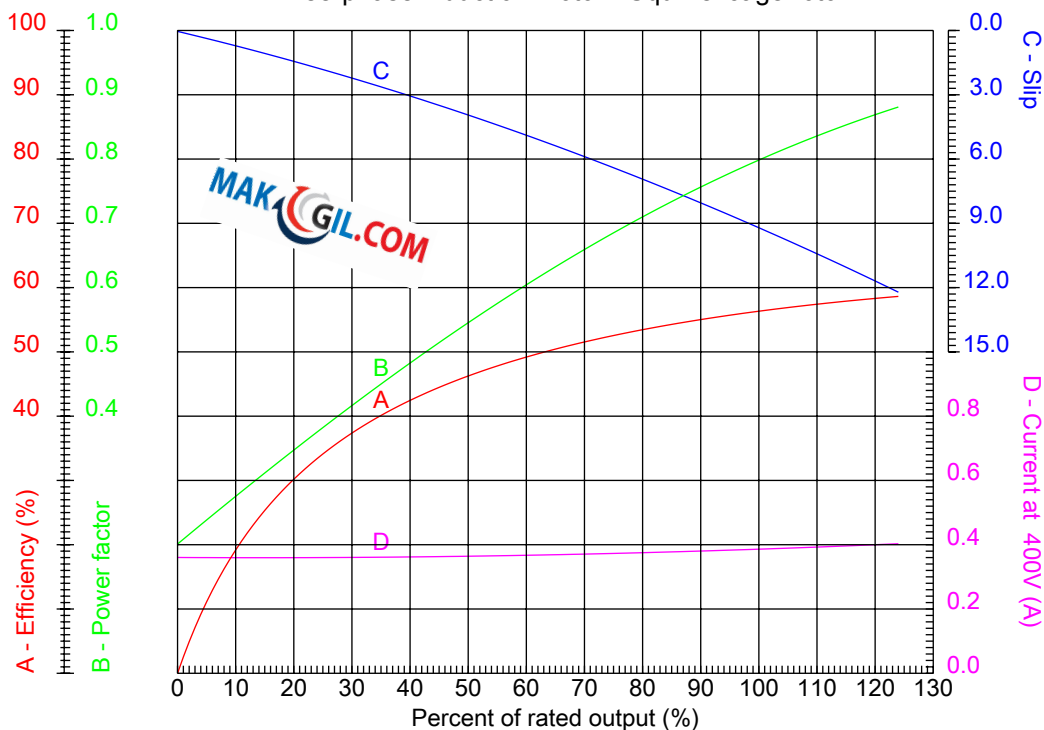
Checked



No.:

Date: 13-MAY-2016

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 _l /I _n) : 3.8
Output : 0.12 kW	Duty cycle : S1
Frequency : 50 Hz	Service factor : 1.00
Full load speed : 2720	Design : ---
Voltage : 400/690 V	Locked rotor torque : 230 %
Rated current : 0.387/0.224 A	Breakdown torque : 230 %
Insulation class : F	

Notes:

Performed by

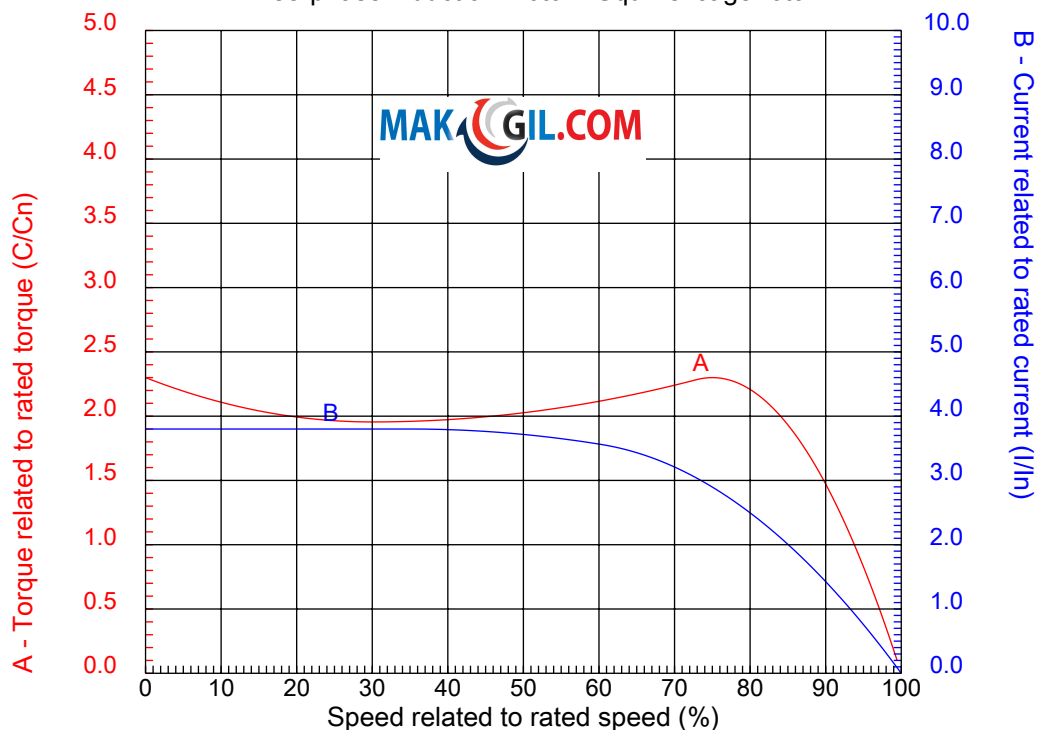
Checked



No.:

Date: 13-MAY-2016

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



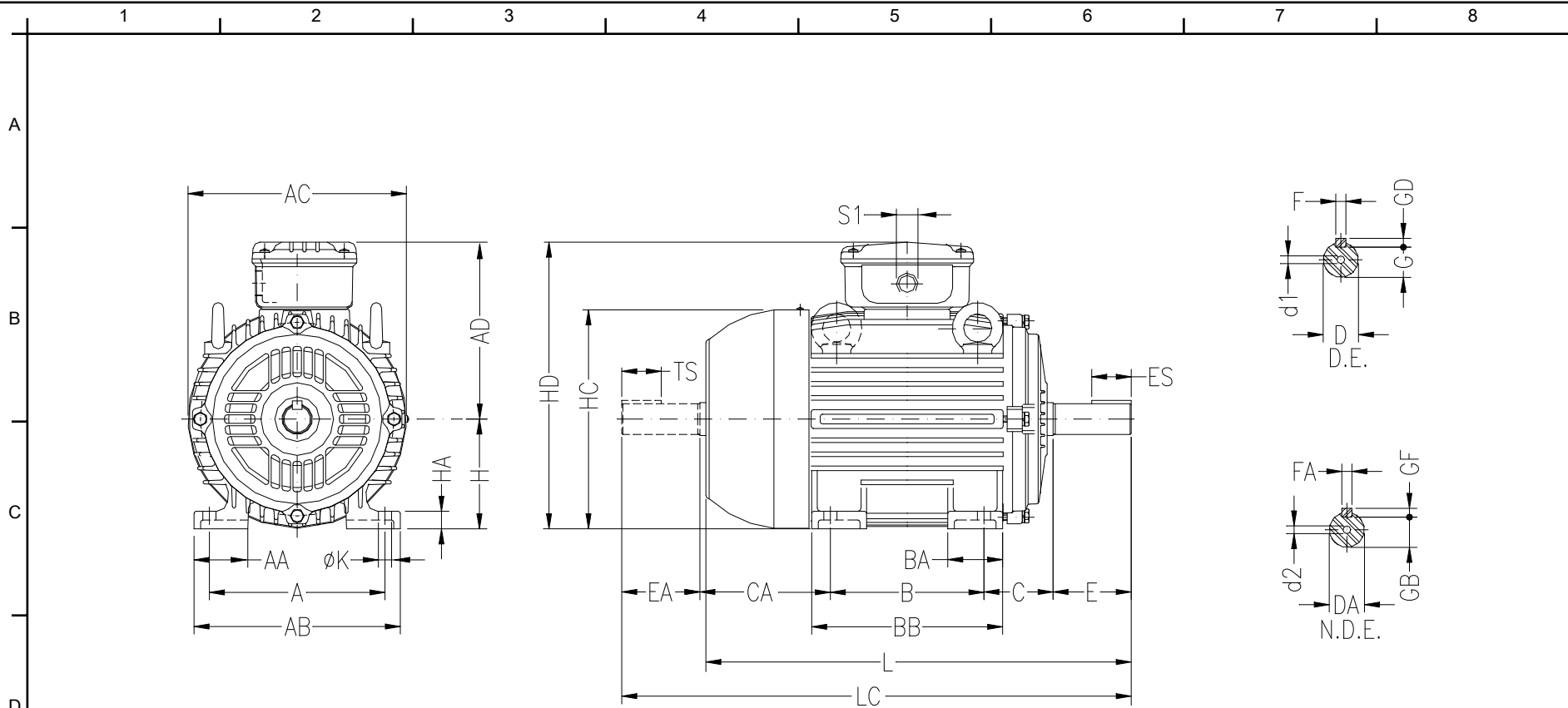
Customer :
Product line : W21 - Cast Iron Frame - Standard Efficiency - IE1

Frame	: 63	Locked rotor current (I _l /I _n)	: 3.8
Output	: 0.12 kW	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 2720	Design	: ---
Voltage	: 400/690 V	Locked rotor torque	: 230 %
Rated current	: 0.387/0.224 A	Breakdown torque	: 230 %
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

