

Framesize 90M
Number of poles 6

IC410
 $U_{DC} = 120V$

Duty S1/S3-70%
Project PL.026

Technical data	Type		S1	S3-70%
Rated Values				
Rated speed	n_N	min^{-1}	1500	1500
Rated voltage	$U_{N \text{ MOT}}$	V	53	
Rated torque	M_N	Nm	57,50	64,00
Rated current	I_N	A	120,0	147,0
Rated power output	P_N	W	9032	10050
Voltage constant	K_E	Vmin/1000	30,0	
Torque constant	K_M	Nm/A	0,496	
Standstill torque	M_0	Nm	65,0	
Standstill current	I_0	A	131,0	
Max. values				
Max. torque	M_{max}	Nm	181	
Max. current	I_{max}	A	618	
Max. speed	n_{mech}	min^{-1}	4500	
Technical data				
Resistance of winding	$R_{\text{ph-ph}}$	Ω	0,014	
Inductance of winding	$L_{\text{ph-ph}}$	mH	0,4	
Moment of inertia	J	$\text{kg}^2/1000$	8,13	
Mass	m	kg	45,5	
Axial load	F_A	N	564	
Radial load	F_R	N	2006	
No-load speed	n_0	min^{-1}	2333	
Limit point				
Current	I_c	A	618,0	
Breakdown torque	M_c	Nm	170,0	
Speed	n_c	min^{-1}	760	
Max. Utilizable values				
Max. utilizable speed	n_u	min^{-1}	2037	
Max. utilizable torque	M_u	Nm	54	
Max. utilizable power output	P_u	W	11693	
Mechanical values				
Static friction torque	M_f	Nm	0,46	
Mechanical time constant	T_m	ms	0,73	

Date: 6-4-06

Changes:

Creusen

M=f(n) BGA90M-6BL/PRJ026 Ke=30V/krpm IC410

