



TEST REPORT

Data 10/01/07

PROVA DI TIPO - MOTORE ASINCRONO MONOFASE
TEST SHEET - ASYNCRHRONOUS MONO-PHASE MOTOR

Motore **S71B4 220V 60Hz 0,37kW**

Dati targa

Vn	Freq.	Pn	speed	cosfi	In
[V]	[Hz]	[kW]	[rpm]		[A]
220	60	0,37	1690	0,93	3,00

Prova a vuoto / No load test

Freq.	Vn	Io	cosfi
[Hz]	[V]	[A]	
60	200	1,43	0,63
60	220	1,92	0,53
60	240	2,69	0,45

Prova a carico / Load test

Load	speed	Freq	Vin	Iin	Mn	Pin	Pout	η	cosfi	Slip
	[rpm]	[Hz]	[V]	[A]	[Nm]	[kW]	[kW]	[%]		[%]
4/4	1605	60	200	3,23	2,21	0,59	0,37	62,1	0,93	10,8
4/4	1656	60	220	3,06	2,14	0,60	0,37	61,5	0,89	8,0
4/4	1684	60	240	3,32	2,12	0,65	0,37	57,2	0,81	6,4

Prova di riscaldamento / Temperature rise test

	Time	Freq	Vin	Iin	Pout	dTa	dTm	T carc.	Tamb
	[h]	[Hz]	[V]	[A]	[kW]	[°C]	[°C]	[°C]	[°C]
Start	00:00	60	220						
End	02:00	60	220	2,97	0,37	65,8	63,3	73,3	73,3

Prova di spunto a caldo / Starting test

Vn	Freq.	Is	Is/In	Ms	Ms/Mn
[V]	[Hz]	[A]		[Nm]	
220	60	9,24	3,02	1,43	0,67

Prova a rotore bloccato / Locked rotor test

Vn	Freq.	Is	Ms
[V]	[Hz]	[A]	[Nm]
220	60	9,24	1,43

Resistenza d'isolamento / Insulation resistance

V	Resist.	Tamb
[V]	[M Ω]	[°C]
500	>100	20

Rigidità dielettrica / High voltage test

	U	Time
	V	sec
phase - ground	1800	60
phase - phase	1500	3

Caratteristiche meccaniche

Mechanical characteristics

Degree of Protection

Types of construction

Cooling

Insulation class

DE bearing

6202-2RS

NDE bearing

6202-2RS

Tested in accordance with rules of IEC 34-1