



TEST REPORT

Data 01/12/08

PROVA DI TIPO - MOTORE ASINCRONO TRIFASE
TEST SHEET - ASYNCRHROUNOUS THREE-PHASE MOTOR

Codice

Motore **TS63B4 220/380V 60Hz 0,18 kW**
Cliente

Caratteristiche elettriche

Electric characteristics

Conn.	Vn	Freq.	Pn	speed	cosfi	In
	[V]	[Hz]	[kW]	[rpm]		[A]
Δ	220	60	0,18	1570	0,72	1,13
Y	380	60	0,18	1570	0,72	0,65

Caratteristiche meccaniche

Mechanical characteristics

Degree of Protection IP 55
Types of construction IM B5 or B14
Cooling IC 411
Insulation class F
DE bearing 6202-2Z
NDE bearing 6202-2Z

Mn	η	Ms/Mn	Is/In	Mmax/Mn
[Nm]	[%]			
1,12	47,4	1,9	2,7	1,9

Prova a vuoto / No load test

Conn.	Freq.	Vn	Io	Poss	cosfi
	[Hz]	[V]	[A]	[kW]	
Y	60	360	0,41	0,117	0,46
Y	60	380	0,42	0,117	0,42
Y	60	400	0,46	0,119	0,40

Prova a carico / Load test

Conn.	Load	speed	Freq	Vin	Iin	Mn	Pin	Pout	η	cosfi	Scorr.
		[rpm]	[Hz]	[V]	[A]	[Nm]	[kW]	[kW]	[%]		[%]
Y	4/4	1500	60	360	0,70	1,18	0,39	0,18	46,1	0,75	16,67
Y	4/4	1570	60	380	0,62	1,12	0,38	0,18	46,9	0,72	12,78
Y	4/4	1590	60	400	0,65	1,10	0,36	0,18	49,9	0,69	11,67

Prova di riscaldamento / Temperature rise test

	Time	Conn.	Freq	Vin	Iin	Pout	Resist.	Terminals	dT1	T hous	Tamb
	[h]		[Hz]	[V]	[A]	[kW]	[Ω]		[K]	[°C]	[°C]
Start	00:00	Y	60				103,60	U1-V1		22,7	22,7
End	02:30	Y	60	380	0,66	0,18	132,55	U1-V1	71,0	60,7	23,4

Prova di spunto a caldo / Starting test

Conn.	Vn	Freq.	Is	Is/In	Ms	Ms/Mn
	[V]	[Hz]	[A]		[Nm]	
Y	380	60	1,66	2,7	2,13	1,9

Prova a rotore bloccato / Locked rotor test

Conn.	Vn	Freq.	Is	Ms	Pin
	[V]	[Hz]	[A]	[Nm]	[kW]
Y	380	60	1,66	2,13	1,02

Resistenza d'isolamento / Insulation resistance

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

Rigidità dielettrica / High voltage test

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

Manufactured and tested in accordance with rules of IEC 34-1