



**TEST REPORT**

Data 30/08/10

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

Codice

Motore **TS71C4 220/380V 60Hz 0,55kW**  
Cliente

**Caratteristiche elettriche**

**Electric characteristics**

Conn.	Vn	Freq.	Pn	speed	cosfi	In
	[V]	[Hz]	[kW]	[rpm]		[A]
Δ	220	60	0,55	1620	0,82	2,61
Y	380	60	0,55	1620	0,82	1,51

**Caratteristiche meccaniche**

**Mechanical characteristics**

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

Mn	η	Ms/Mn	Is/In	Mmax/Mn
[Nm]	[%]			
3,2	64,7	1,9	4,0	1,8

**Prova a vuoto / No load test**

Conn.	Freq.	Vn	Io	Pass	cosfi
	[Hz]	[V]	[A]	[kW]	
Y	60	360	0,63	0,084	0,21
Y	60	380	0,67	0,094	0,21
Y	60	400	0,72	0,105	0,20

**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	1580	60	360	1,68	3,3	0,92	0,55	60,0	0,86	12,22
<b>Y</b>	<b>4/4</b>	<b>1618</b>	<b>60</b>	<b>380</b>	<b>1,52</b>	<b>3,2</b>	<b>0,85</b>	<b>0,55</b>	<b>64,7</b>	<b>0,83</b>	<b>10,11</b>
Y	4/4	1632	60	400	1,43	3,2	0,83	0,55	66,9	0,80	9,33

**Prova di riscaldamento / Temperature rise test**

	Time	Conn.	Freq	Vin	Iin	Pout	Resist.	Terminals	dT1	T hous	Tamb
	[h]		[Hz]	[V]	[A]	[kW]	[Ω]		[°C]	[°C]	[°C]
Start	00:00	Y	60	380			28,4	U1-V1		24,3	24,3
End	02:15	Y	60	380	1,51	0,55	36,1	U1-V1	76,8	68,8	24,4

**Prova di spunto a caldo / Starting test**

Conn.	Vn	Freq.	Is	Is/In	Ms	Ms/Mn
	[V]	[Hz]	[A]		[Nm]	
Y	380	60	6,1	4,0	8,9	1,9

**Prova a rotore bloccato / Locked rotor test**

Conn.	Vn	Freq.	Is	Ms
	[V]	[Hz]	[A]	[Nm]
Y	380	60	6,1	8,9

**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