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Issued By	Yu Wenhao	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: PM6

kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
1.1	6	4500	71M	273.5	225	3	2.3
IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
55	F		S1	89.5			40

Load	kW	Amperes (A)	Efficiency (%)
Full Load	1.10	2.37	89.5
¾ Load	0.73	1.81	88.2
½ Load	0.55	1.27	85.1
¼ Load	0.28	0.71	77.6
No Load		0.31	

Torque					
Full Load			Breakdown	Inertia	
(N-m)			(% FLT)	(kg-m²)	
2.31			260	0.0005	

		Sound Pressure	Bearin	Approx. Motor Weight	
		dB(A) @ 1M	DE	NDE	(kg)
		67	6202-2RS	6202-2RS	5

*Bearings are the only recommended spare part(s).

Motor Options:

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values. The declared locked rotor current has a tolerance of 20%.

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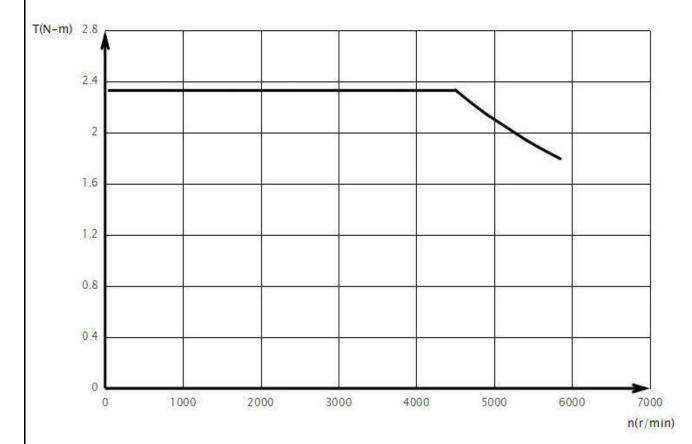
SPEED TORQUE/CURRENT CURVE

Model: PM6

kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
1.1	6	4500	71M	273.5	225	3	2.3
IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
55	F		S1	89.5			40
Rotor wk ²				Torque			
Inertia	Full Load					Break	down
(kg-m²)	(N-m)					(%	6)
0.0005	2.29					26	60

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase synchronous motor



Customer	wk² Load Inertia (kg-r	12)
Customer PO	Load Ty	Oe CONT
Sales Order	Voltage ((6)
Project #	Accel. Tir	10-15S

Tag:

All characteristics are average expected values. The declared locked rotor current has a tolerance of 20%.

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SPARE PARTS LIST*

Model: PM6

kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
1.1	6	4500	71M	273.5	225	3	2.3
IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
55	F		S1	89.5			40

DE Bearing:	6202-2RS
NDE Bearing:	6202-2RS

*Bearings are the only recommended spare part(s).

Other than the grease used for regreasable bearings and the oil used for oil-lubricated bearings, Toshiba advises that there are no "use" parts. The only insurance spares that Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above.

Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advise our order entry department of the model and serial numbers found on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number, price and availability.

Note: Our internal part numbers are subject to change without notice and are not published.

Customer	
Customer PO	
Sales Order	
Project #	
_	

Tag:

All characteristics are average expected values.

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NAMEPLATE DATA

Model: PM6

kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
1.1	6	4500	71M	273.5	225	3	2.3
IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
55	F		S1	89.5			40

Drive End Bearing: 6202-2RS

Non-Drive End Bearing: 6202-2RS

Rated Torque: 2.31 Nm

Voltage Constant (Ke): 0.571 VS

 Torque Constant (Kt):
 0.97
 Nm/A

 BEMF at:
 4500
 r/min

Comments 1:

Customer	
Customer PO	
Sales Order	
Project #	_

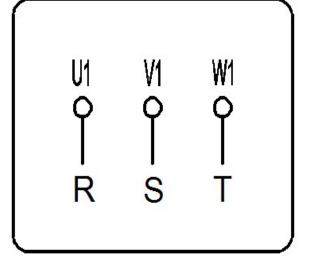
Tag:

All characteristics are average expected values.

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Motor Connection Diagrams



By: Du Jiushi Date: 2016-12-8 checked:Chang Jungu date:2016-12-8 Revision 0