



Issued Date	12/9/2016	Transmit #	
Issued By	Yu Wenhao	Issued Rev	

TYPICAL MOTOR PERFORMANCE DATA

Model: PM11

kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
1.5	6	1800	71M	273.5	90	3	3.2
IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
55	F		S1	89.9			40

Load	kW	Amperes (A)	Efficiency (%)
Full Load	1.50	3.18	89.9
¾ Load	1.13	2.46	89.9
½ Load	0.75	1.71	89.6
¼ Load	0.38	0.93	83.8
No Load		0.47	

Torque				
Full Load			Breakdown	Inertia
(N-m)			(% FLT)	(kg-m²)
7.96			260	0.0012

		Sound Pressure	Bearin	Approx. Motor Weight	
	dB(A) @ 1M	DE	NDE	(kg)	
		62	6202-2RS	6202-2RS	7

*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%.

TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.									
Engineering		Doc. Written By	P. Anderson	Doc.# / Rev	MPCF-1190 / 0				
Engr. Date		Doc. Approved By	PAA	Doc. Issued	12/6/2016				



Issued Date	12/9/2016	Transmit #	
Issued By	Yu Wenhao	Issued Rev	

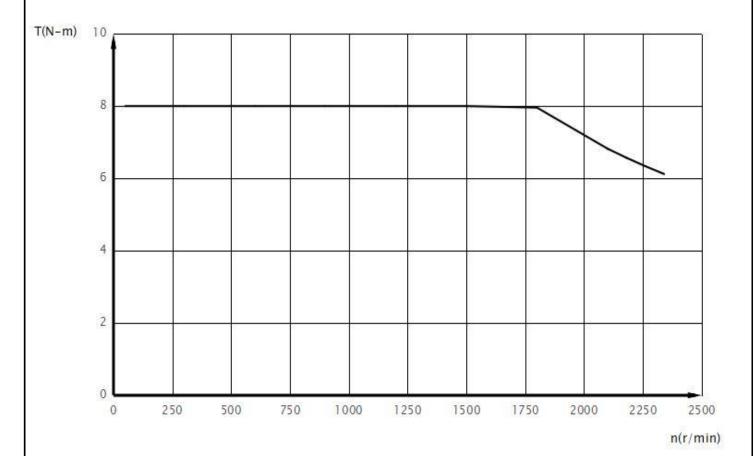
SPEED TORQUE/CURRENT CURVE

Model: PM11

kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
1.5	6	1800	71M	273.5	90	3	3.2
IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
55	F		S1	89.9			40
Rotor wk ²	Torque						
Inertia	Full Load					Break	down
(kg-m²)	(N-m)					(%	%)
0.0012	7 96					2	60

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase synchronous motor



Customer		wk² Load Inertia (kg-m²)	
Customer PO		Load Type	CONT
Sales Order		Voltage (%)	
Project #		Accel. Time	10-15S

Tag:

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

Engineering	Doc. Written By	P. Anderson	Doc.# / Rev	MPCF-1192/0
Engr. Date	Doc. Approved By	PAA	Doc. Issued	12/6/2016



Issued Date 12/9/2016	Transmit #	
Issued By Yu Wenhao	Issued Rev MDS	LE024-01

SPARE PARTS LIST*

Model: PM11

kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
1.5	6	1800	71M	273.5	90	3	3.2
IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
55	F		S1	89.9			40

DE Bearing:	6202-2RS
NDE Bearing:	6202-2RS
NDL Bearing.	0101 1110

*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.

	<u> </u>				
	TOSHIBA INTER	RNATIONAL CORPORATION -	HOUSTON, TEXAS U.S.A.		
Engineering		Doc. Written By	P. Anderson	Doc.# / Rev	MPCF-1193 / 0
Engr. Date		Doc. Approved By	PAA	Doc. Issued	12/6/2016

TOSHIBA

Issued Date 12/9/2016	Transmit #	
Issued By Yu Wenhao	Issued Rev	

NAMEPLATE DATA

Model: PM11

kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
1.5	6	1800	71M	273.5	90	3	3.2
IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
55	F		S1	89.9			40

Drive End Bearing: 6202-2RS

Non-Drive End Bearing: 6202-2RS

Rated Torque: 7.96 Nm

Voltage Constant (Ke): 1.452 VS

Torque Constant (Kt): 2.51 Nm/A

BEMF at: 1800 r/min

Comments 1:

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

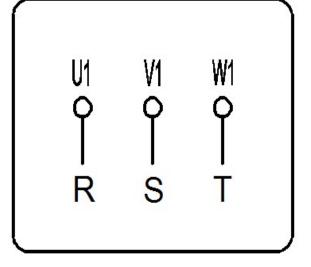
All characteristics are average expected values.

TOCHIDA INTEDNATIONAL	CORPORATION · HOUSTON, TEXAS U.S.A.	
TOSHIDA INTERNATIONAL	. CORPORATION ' HOUSTON, TEXAS U.S.A.	

Engineering		Doc. Written By	P. Anderson	Doc.# / Rev	MPCF-1191 / 0
Engr. Date		Doc. Approved By	PAA	Doc. Issued	12/6/2016

TOSHIBA

Motor Connection Diagrams



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