

XXX kgs.

(XXX lbs.)

0 FIRST ISSUE

NO

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

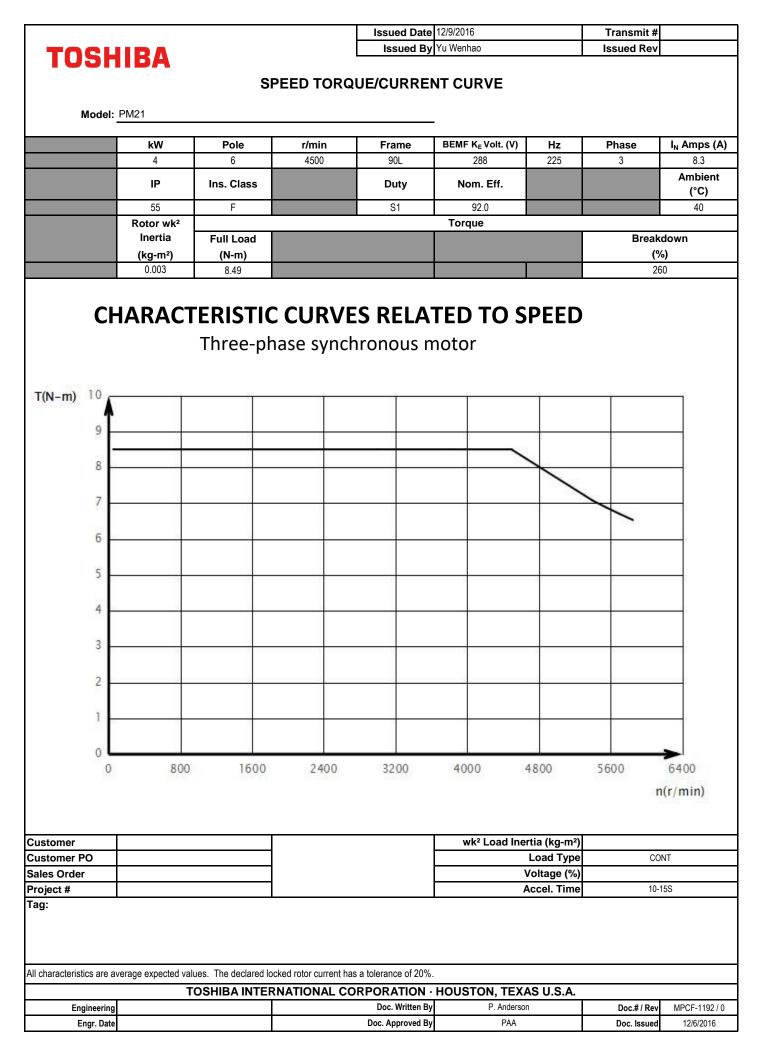
R. Roth08/24/16REVISIONDRAWN BYDATE

37
140
180
NOTES: I. MAIN CONDUIT BOX MAY BE ROTATED
IN 90~INCREMENTS 2. STANDARD PRODUCT USE
BI-DIRECTIONAL
FAN. OPPOSITE ROTATION AVAILABLE
ONLY BY CONNECTION CHANGE.
3. KEY DIMENSIONS EQUAL (MOTOR SUPPLIED WITH KEY)
х ́
PURPOSES UNLESS THE DRAWING IS CERTIFIED.
Tosh-ECO PM
DRAWN BY:
CHECK BY:
APPROVED BY: CHECK www.toshiba.com/ind



## TYPICAL MOTOR PERFORMANCE DATA

		1 1			,			
	kW	Pole	r/min	Frame	BEMF K <sub>E</sub> Volt. (V)	Hz	Phase	I <sub>N</sub> Amps (A
	4	6	4500	90L	288	225	3	8.3
	IP	Ins. Class		Duty	Nom. Eff.			Ambient
				-				(°C)
	55	F		S1	92.0			40
oad		kW	Ampere		Efficiency (	%)		
ull Load		4.00	8.36		92.0			
4 Load		3.00	6.41		90.7		4	
2 Load		2.00	4.46		88.0			
	Load		2.45		80.3			
lo Load		-	0.87		-			
Full Load (N-m) 8.49			Torque				eakdown % FLT) 260	Rotor wk Inertia (kg-m²) 0.003
		Sound Bearings*					Approx. M	otor Weight
			DE N				(kg)	
		dB(A) @ 1M	DE		NDE		۱)	kg)
Bearings are the only rec	commended spa	71	DE 6205-22		NDE 6204-2Z/C3			<b><g)< b=""> 13</g)<></b>
	commended spa	71						
Notor Options:	ommended spa	71						
lotor Options:	commended spa	71						
Customer Customer PO Sales Order	commended spa	71						
lotor Options: ustomer ustomer PO ales Order roject # ag:		71 re part(s).	6205-22		6204-2Z/C3			
ustomer ustomer PO ales Order roject # ag:	rage expected v	71 re part(s).	6205-22	//C3	6204-2Z/C3			
Customer PO	rage expected v	71 re part(s).	6205-22	//C3	6204-2Z/C3	.S U.S.A.		13





## SPARE PARTS LIST\*

Model: PM21

Customer

	kW	Pole	r/min	Frame	BEMF K <sub>E</sub> Volt. (V)	Hz	Phase	I <sub>N</sub> Amps (A)	
	4	6	4500	90L	288	225	3	8.3	
	IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)	
	55	F		S1	92.0			40	
E Bearing:				6205-	2Z/C3				
IDE Bearing:	6204-2Z/C3								

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 PO					
Sales Order					
Project #					
Tag:		•			
All observatoriation are au					
All characteristics are av	erage expected values.				
	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



## NAMEPLATE DATA

Model: P	M21				-					
	kW	Pole	r/min	Frame	BEMF K <sub>E</sub> Volt. (V)	Hz	Phase	I <sub>N</sub> Amps (A)		
	4	6	4500	90L	288	225	3	8.3		
	IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)		
	55	F		S1	92.0			40		
	Dr	ive End Bearing:			6205-2Z/C3					
	Non-Drive End Bearing:			6204-2Z/C3						
	Rated Torque:			8.49 <b>Nm</b>						
	Voltag	ge Constant (Ke):	0.613 <b>VS</b>					-		
		ue Constant (Kt):	1.0		Nm/A			-		
		BEMF at:					-			
			4500 r/min					-		
		Comments 1:						_		
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ustomer PO ales Order roject #			IATIONAL CO	PRPORATION Doc. Written B Doc. Approved B	y P. Anderson	S U.S.A.	Doc.# / Rev Doc. Issued			

