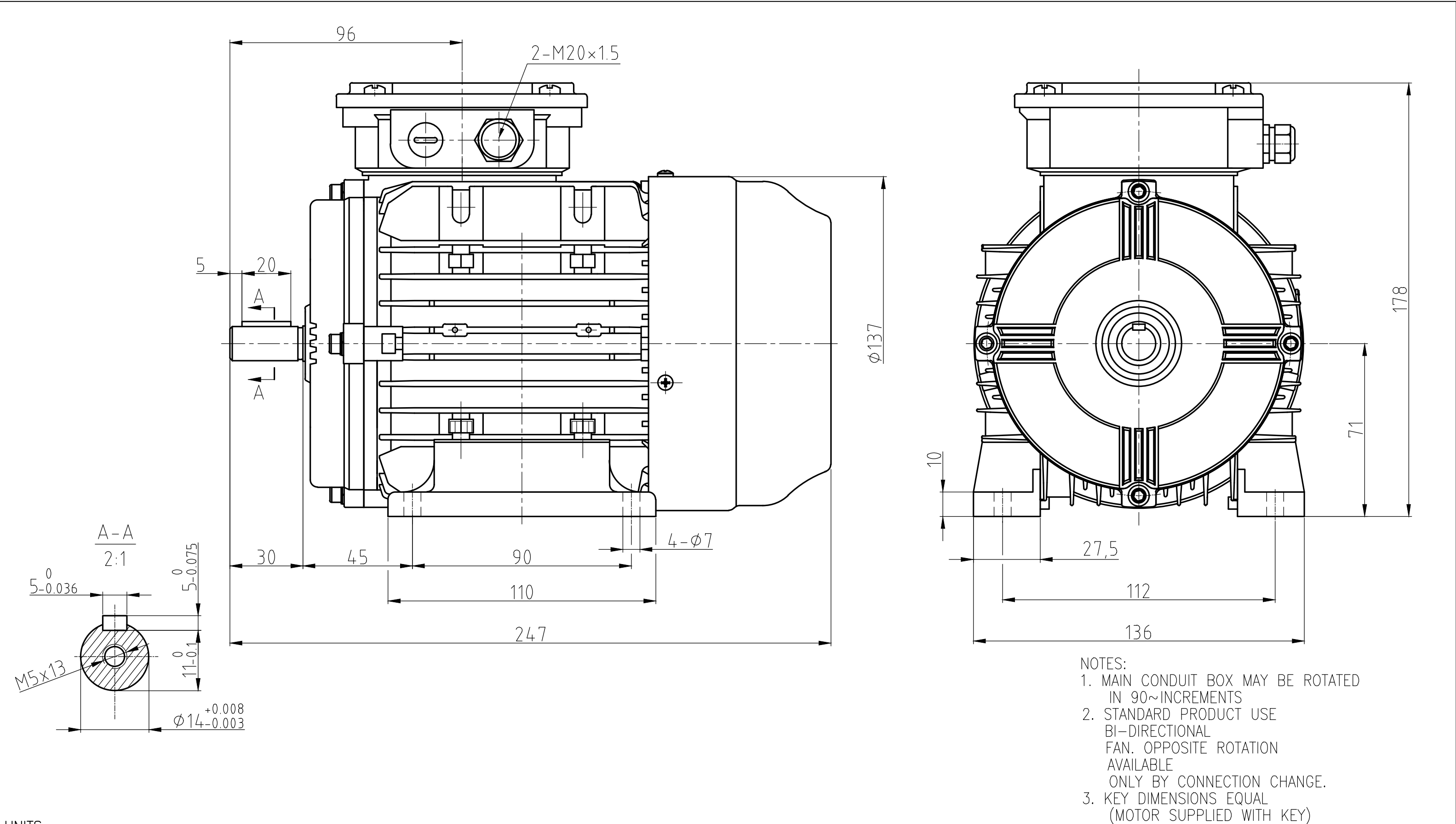




UNITS: mm									
TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT WITHOUT NOTICE. DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS CERTIFIED.									
PERMANENT MAGNENT 71 IEC			TOLERANCES						Tosh-ECO PM
TEFC (IP55) B3 ALUMINUM FRAME			.X .1						
			.XX .03						
			.XXX .005						
			.XXXX .0005						
MDSLE024-01			MAXIMUM MOTOR WEIGHT						DRAWN BY: _____ CHECK BY: _____ APPROVED BY: _____ www.toshiba.com/ind
TOSHIBA TOSHIBA INTERNATIONAL CORPORATION			XXX kgs.						
			(XXX lbs.)						
			0 FIRST ISSUE						
			NO REVISION						
			R. Roth 08/24/16						DRAWN BY: _____ CHECK BY: _____ APPROVED BY: _____ www.toshiba.com/ind
			DRAWN BY DATE CHECK						

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TYPICAL MOTOR PERFORMANCE DATA

Model: PM1

	kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
	0.55	6	3600	71M	289	180	3	1.2
	IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
	55	F		S1	88.0			40

Load		kW	Amperes (A)	Efficiency (%)	
Full Load		0.55	1.21	88.0	
¾ Load		0.42	0.93	86.0	
½ Load		0.28	0.66	81.8	
¼ Load		0.14	0.37	70.9	
No Load			0.18		

Torque				Rotor wk ² Inertia (kg-m²)
Full Load (N-m)			Breakdown (% FLT)	
1.49			260	0.0005

		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
			DE	NDE	
		64	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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Engineering		Doc. Written By	P. Anderson	Doc.# / Rev	MPCF-1190 / 0
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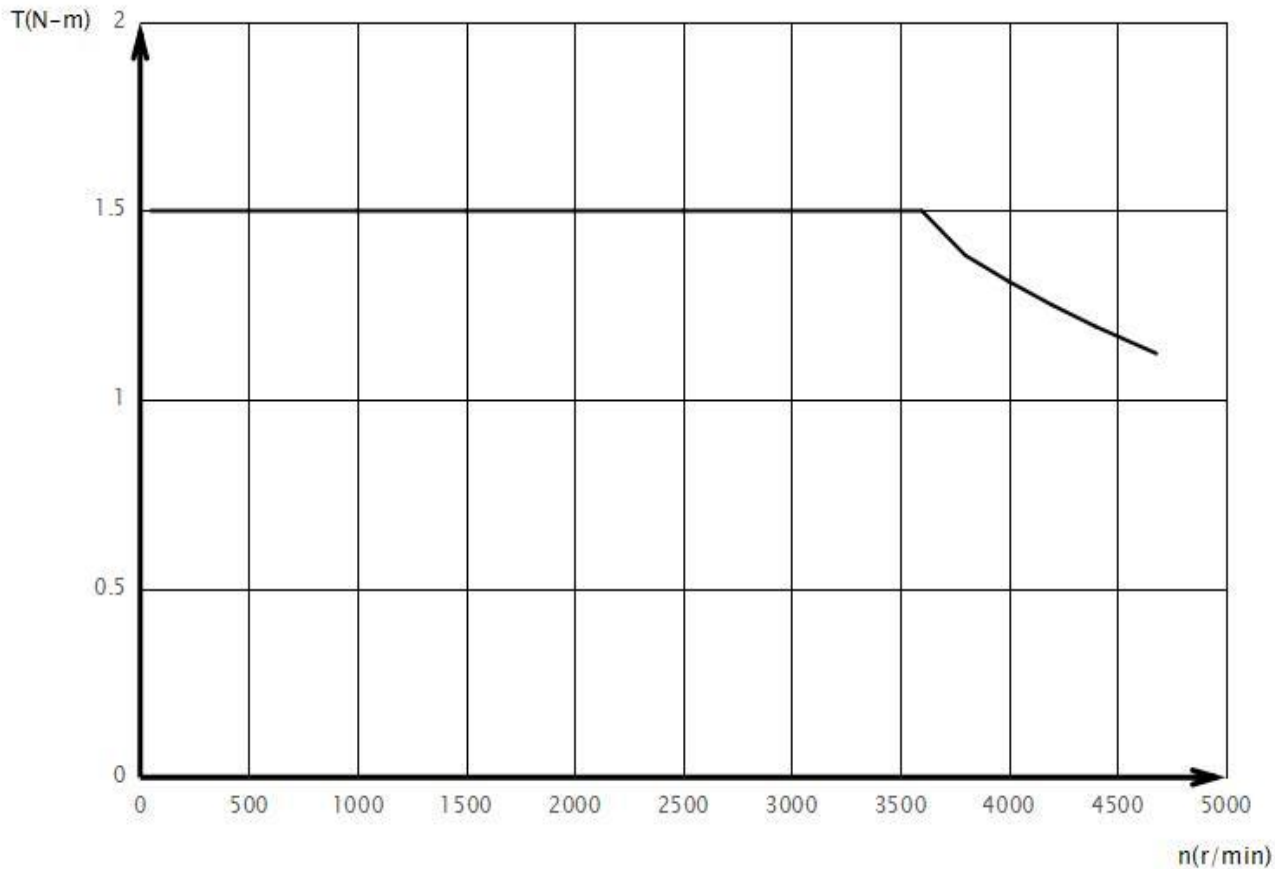
SPEED TORQUE/CURRENT CURVE

Model: PM1

	kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
	0.55	6	3600	71M	289	180	3	1.2
	IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
	55	F		S1	88.0			40
	Rotor wk ² Inertia (kg-m ²)	Torque						
		Full Load (N-m)				Breakdown (%)		
	0.0005	1.49					260	

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase synchronous motor



Customer			wk^2 Load Inertia (kg-m ²)	
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%.

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SPARE PARTS LIST*

Model: PM1

	kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
	0.55	6	3600	71M	289	180	3	1.2
	IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
	55	F		S1	88.0			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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Engineering

Doc. Written By

P. Anderson

Doc.# / Rev

MPCF-1193 / 0

Engr. Date

Doc. Approved By

PAA

Doc. Issued

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NAMEPLATE DATA

Model: PM1

	kW	Pole	r/min	Frame	BEMF K _E Volt. (V)	Hz	Phase	I _N Amps (A)
	0.55	6	3600	71M	289	180	3	1.2
	IP	Ins. Class		Duty	Nom. Eff.			Ambient (°C)
	55	F		S1	88.0			40

Drive End Bearing: 6202-2RS

Non-Drive End Bearing: 6202-2RS

Rated Torque: 1.49 Nm

Voltage Constant (K_e): 1.53 VSTorque Constant (K_t): 1.23 Nm/A

BEMF at: 3600 r/min

Comments 1:

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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Motor Connection Diagrams

