

**TECHNICAL INFORMATION**

1. BEARING LUBRICATION DE: Mobil Polyrex EM  
ODE: Mobil Polyrex EM
2. BEARING TYPE DE: 6326C3  
ODE: 6326C3 INSULATED
3. WINDING TEMP. DETECTORS  
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)  
LOCATION: IN STATOR SLOT
4. BEARING TEMP. DETECTORS  
NUMBER AND TYPE: \_\_\_\_\_
5. SPACE HEATER 1 PHASE  
VOLTS: 120 WATTS: 400
6. ROTATION: CCW VIEWED FROM NON DRIVE END  
THIS MOTOR IS UNI DIRECTIONAL
7. MOTOR PAINT COLOR: \_\_\_\_\_
8. APPROX. WEIGHT: 7300 Lbs
9. ACCESORIES: \_\_\_\_\_

**DRAWING LIST**

MAIN TERMINAL BOX 130-7532-02		3	UPDATE	RWS	1/2/14
AUX TERMINAL BOX FOR SPACE HEATER 130-7520-50		2	UPDATE	MH	8/15/05
R.T.D. 130-7522-51		1	UPDATE	RW	4/16/03
THERMISTOR N/A		0	FIRST ISSUE	RW	3/25/03
PRODUCTION #	N/A	NO.	REVISION	BY	DATE

**MOTOR OUTLINE FOR  
THREE PHASE INDUCTION MOTOR**

CUSTOMER NAME				P.O. NO.	MOTOR TAG NO.	
OUTPUT HP	POLE 4	VOLTAGE V	FREQUENCY Hz	FULL LOAD SPEED (min <sup>-1</sup> )	TOSHIBA MODEL NO.	
TYPE	FORM	INS. CLASS F	RATING CONT.	FRAME 5811/12	S.F.	ENCLOSURE WP-I
TOSHIBA INTERNATIONAL CORPORATION HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY: R. WILKINS	DATE: 03/25/03	CHECKED BY: M. HO	DATE: 04/01/03	DRAWING NO.: MDSL 0086-02	REV. 3

**TYPICAL MOTOR PERFORMANCE DATA**

Model: M205WPAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1000	746	4	1880	5812US	4000	60	3	127
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	96.5	-	F	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1000	745.7	126.3	96.5	88.3
¾ Load	750.00	559.3	97.5	96.6	85.7
½ Load	500.00	372.9	71.1	96.2	78.6
¼ Load	250.00	186.4	49.5	94.0	57.7
No Load			37.3		4.0
Locked Rotor			737.94		21.9

Torque				Rotor wk <sup>2</sup>
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft <sup>2</sup> )
2794	110	105	230	247.37

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
6.5	2.8	-	6326C3	6326C3 INS	

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

**Motor Options:**  
Product Family:ODP & WP-I  
Mounting:Footed,Shaft:US Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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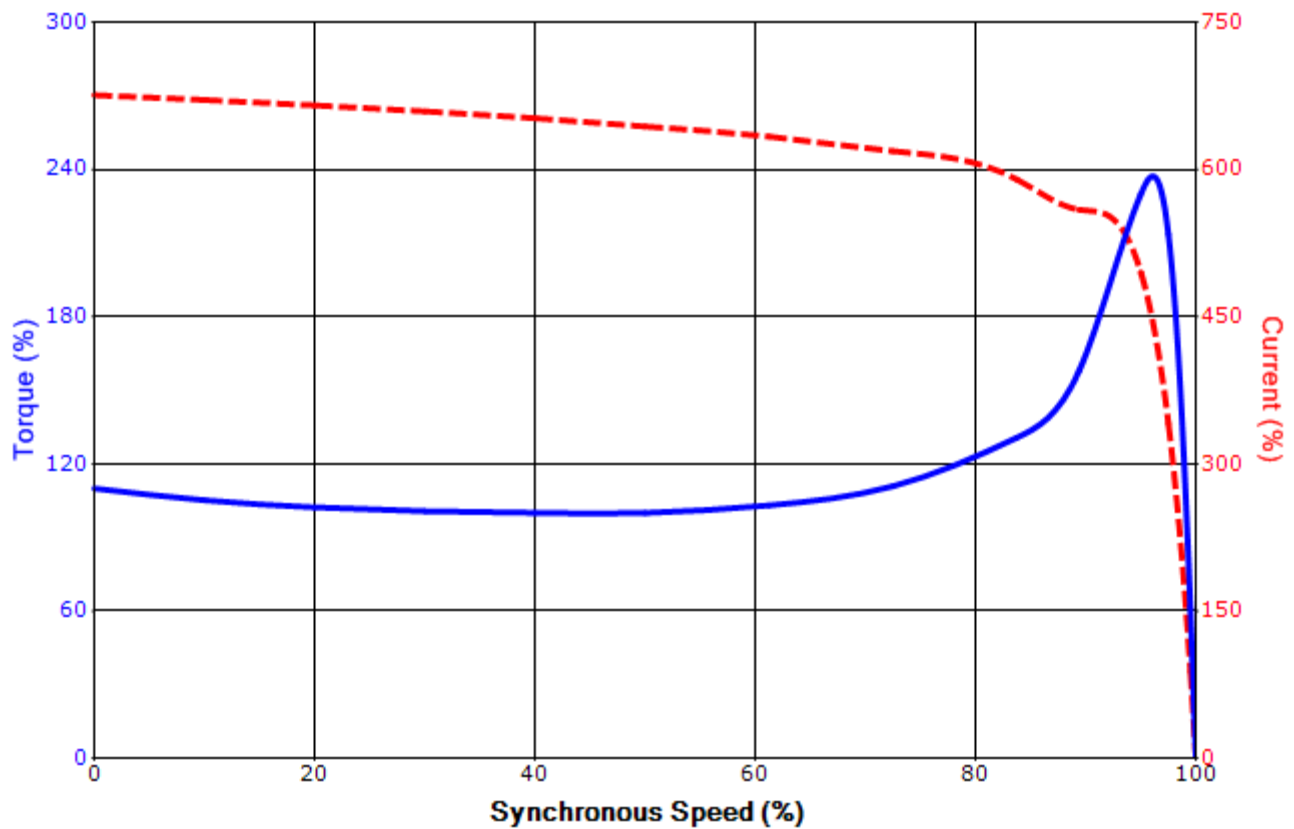
Engineering	bmmamen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/24/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: M205WPAL11E-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1000	746	4	1880	5812US	4000	60	3	127
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	96.5	-	F	40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
737.94	247.37	2794	110	105			230	

**Design Values**



Customer		wk <sup>2</sup> Load Inertia (lb-ft <sup>2</sup> )	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

Tag:

All characteristics are average expected values.

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Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/24/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

### Motor Connection Diagram 3 Leads - Wye Connection



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.  
If multiple cables represent a single lead, each one  
of them will be labeled with the appropriate lead number.