

TECHNICAL INFORMATION

- BEARING LUBRICATION DE: Mobil Polyrex EM
ODE: Mobil Polyrex EM
- BEARING TYPE DE: 6315C3
ODE: 6315C3 INSULATED
- WINDING TEMP. DETECTORS
NUMBER AND TYPE: 6xRTD(Pt0°C-100ohm)
LOCATION: IN STATOR SLOT
- BEARING TEMP. DETECTORS
NUMBER AND TYPE: _____
- SPACE HEATER 1 PHASE
VOLTS: 120 WATTS: 400
- ROTATION: CCW VIEWED FROM NON DRIVE END
THIS MOTOR IS UNI DIRECTIONAL
- MOTOR PAINT COLOR: _____
- APPROX. WEIGHT: 7300 Lbs
- ACCESSORIES: _____

DRAWING LIST					
MAIN TERMINAL BOX	3	UPDATE	RWS	1/2/14	
130-7532-02					
AUX TERMINAL BOX FOR	2	UPDATE	MH	8/15/05	
SPACE HEATER 130-7520-50					
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	POLE	VOLTAGE	FREQUENCY	FULL LOAD SPEED	TOSHIBA MODEL NO.	
HP	2	V	Hz	(min ⁻¹)		
TYPE	FORM	INS. CLASS	RATING	FRAME	S.F.	ENCLOSURE
		F	CONT.	5811/12		WP-I
TOSHIBA INTERNATIONAL CORPORATION						
HOUSTON, TEXAS U.S.A.						
3rd ANGLE PROJ.	PREPARED BY:	DATE:	CHECKED BY:	DATE:	DRAWING NO.:	REV.:
	R.WILKINS	03/25/03	M. HO	04/01/03	MDSL 0086-01	3

TYPICAL MOTOR PERFORMANCE DATA

Model: M353WPAL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1750	1306	2	3570	5812USS	4000	60	3	224
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	95.6	-		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1750.00	1305.0	223	95.6	88.0
¾ Load	1312.50	978.7	171	95.5	86.1
½ Load	875.00	652.5	123	94.8	80.2
¼ Load	437.50	326.2	83	92.0	61.4
No Load			67.2		4.9
Locked Rotor			1552		28.5

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
2575	200	165	240	222.90

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
14	7	-	6315C3	6315C3 INS	0

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

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

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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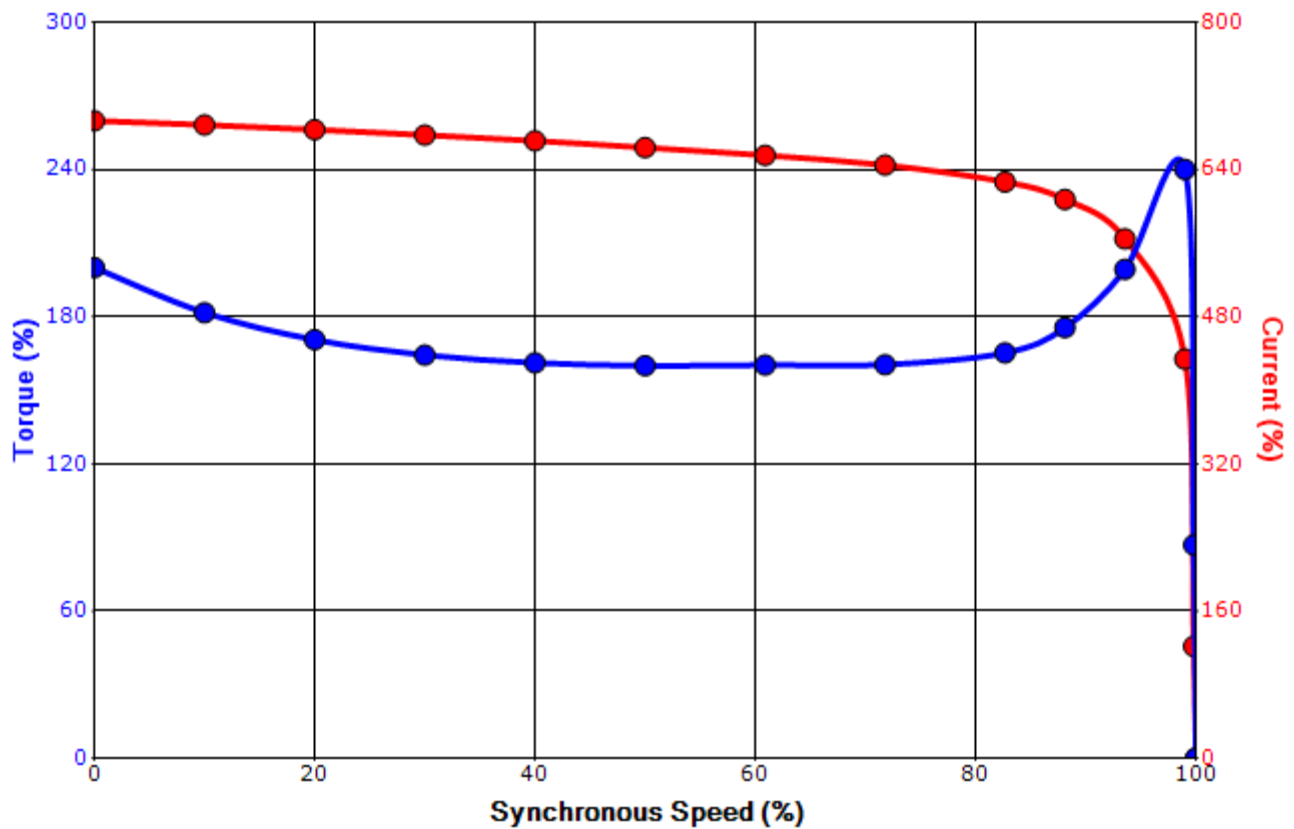
Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	2/27/2020	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: M353WPAL11F-C

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1750	1306	2	3570	5812USS	4000	60	3	224
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
WP-I	23	F	1.15	CONT	95.6	-		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
1552	222.90	2575	200		165	240		

Design Values



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

Tag:

All characteristics are average expected values.

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Engineering	SSuryani	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
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