

UNITS: INCHES

FRAME SIZE	MOTOR DIMENSIONS										CONDUIT BOX							
	A	B	C	D	G	J	K	M	O	P	T	AA	AB	AC	AE	AF	XL	XN
213T/215T	10.4	8.7	19.5	5.25	1.0	2.0	0	6.9	11.4	11.2	2.0	1.00	11.3	8.8	5.25	2.8	7.0	6.1

FRAME SIZE	MOUNTING					SHAFT EXTENSION					KEY SEAT			BEARINGS			MAXIMUM WEIGHT								
	E	2F	H	BA	N-W	V	U	R	S	ES	LS	OS	213T/215T <th>4.25</th> <th>5.50/7.00</th> <th>0.44</th> <th>3.50</th> <th>3.38</th> <th>3.12</th> <th>1.375</th> <th>1.201</th> <th>0.312</th> <th>2.38</th> <th>6308UU</th> <th>6208UU</th> <th>180 lbs.</th>	4.25	5.50/7.00	0.44		3.50	3.38	3.12	1.375	1.201	0.312	2.38	6308UU

- NOTES:
- DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
  - MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
  - KEY DIMENSIONS EQUAL S x S x 2.38 (MOTOR SUPPLIED WITH KEY)
  - MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME
  - THIS DIMENSION EQUALS 2F FOR 213T MOUNTING
  - STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE

CUSTOMER: \_\_\_\_\_ MOTOR MODEL NO.: \_\_\_\_\_ TAG NO's.: \_\_\_\_\_

P.O. NO.: \_\_\_\_\_ HP: \_\_\_\_\_ VOLTAGE: \_\_\_\_\_ RPM(SYN.): \_\_\_\_\_ Hz: \_\_\_\_\_

FRAME SIZE: \_\_\_\_\_ PRODUCT TYPE: IEF3 EQP III, EPACT, & HIGH EFFICIENCY

COMMENTS: \_\_\_\_\_

PER: \_\_\_\_\_ DATE: \_\_\_\_\_

STANDARD (NO AUX. BOXES)

RTD AUX. BOX

SPACE HEATER AUX. BOX

BEARING RTD's

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE  PRELIMINARY

DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED  CERTIFIED

**TOSHIBA**

TOSHIBA INTERNATIONAL CORPORATION

TOTALLY-ENCLOSED FAN-COOLED  
HORIZONTAL FOOT-MOUNTED  
3 PHASE INDUCTION MOTOR  
F1 ASSEMBLY

**XT SERIES**

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**TYPICAL MOTOR PERFORMANCE DATA**

Model: CY754FLF2USWQ

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7	5.5	4	1758	213T	230/460	60	3	20/10
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	91.7	B	H	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7	5.6	9.1	91.7	83.9
¾ Load	5.62	4.2	7.2	91.4	79.1
½ Load	3.75	2.8	5.6	89.7	68.8
¼ Load	1.87	1.4	4.5	82.8	46.7
No Load			3.6		6.6
Locked Rotor			63.00		60.9

Torque				Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
22.4	380	205	340	1.08

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
32	15	-	6308UU	6208UU	

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

**Motor Options:**  
Product Family:Design C  
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

**TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.**

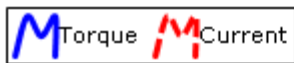
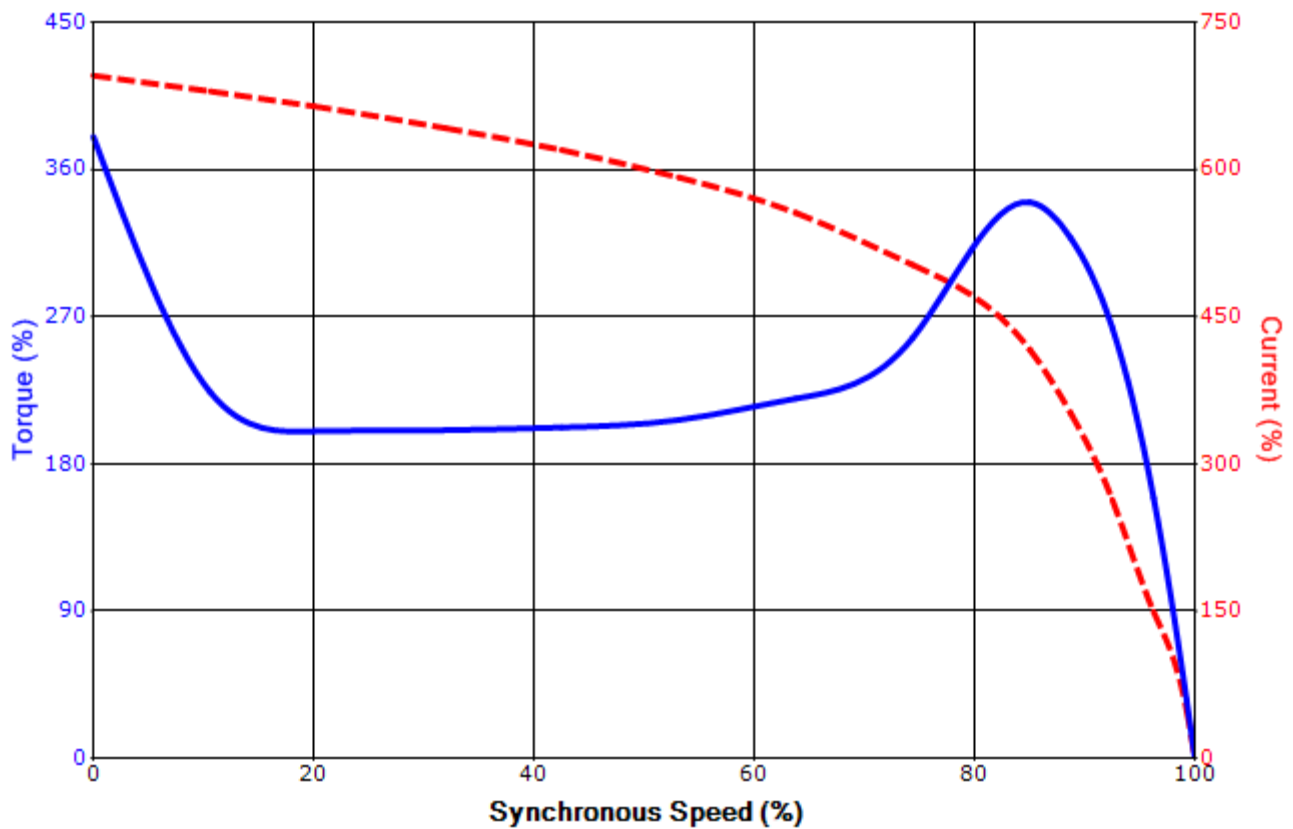
Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/13/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**SPEED TORQUE/CURRENT CURVE**

Model: CY754FLF2USWQ

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7	5.5	4	1758	213T	230/460	60	3	20/10
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	54	F	1.15	CONT	91.7	B	H	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 (%)				
63.00	1.08	22.4	380	205			340	

**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	-

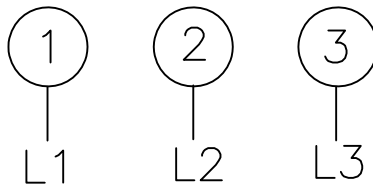
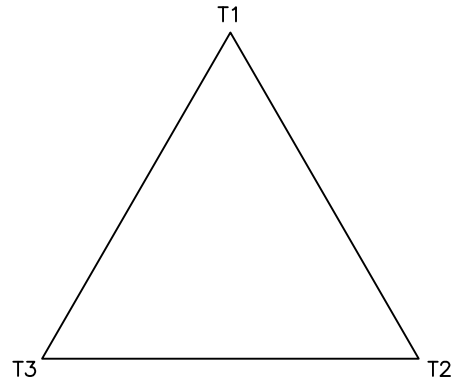
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Engineering	aacosta	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/13/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

**Motor Connection Diagram**  
3 Leads - Delta 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.