

UNITS: INCHES

ROTATION FROM NDE

CCW
  CW

- NOTES:
1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
  2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
  3. KEY DIMENSIONS EQUAL 0.625"x 0.625"x 4.25" (MOTOR SUPPLIED WITH KEY)

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**  
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MILL & CHEMICAL DUTY  
**EQP** 840

TOTALLY ENCLOSED FAN COOLED  
 FOOTED C-FACED  
 3 PHASE INDUCTION MOTOR  
 364TC-365TC F1 ASSEMBLY

DRAWING #: MDSL045-07  
 REV. DATE: 07/12/18 REV. #: 3 PER.: M. O'DOWD  
 REV. DESCRIP.:



Issued Date	9/24/2019	Transmit #	
Issued By	dschoeck	Issued Rev	

### TYPICAL MOTOR PERFORMANCE DATA

Model: 0754XSSB42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
75	55	4	1780	365TC	460	60	3	85
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	95.4	B	G	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	75	55.9	85.0	95.4	87.4
¾ Load	56.25	41.9	64.9	94.9	86.0
½ Load	37.50	28.0	46.6	93.7	81.4
¼ Load	18.75	14.0	31.4	88.6	63.1
No Load			24.0		4.6
Locked Rotor			542.5		27.2

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)	
221	160	135	270	20.46

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
26.3	14.8	-	6314C3	6312C3	1027

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

**Motor Options:**  
 Product Family:EQP Global 840 CFace Footed  
 Mounting:C-Face 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	garce	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 1
Engr. Date	10/27/2015	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019



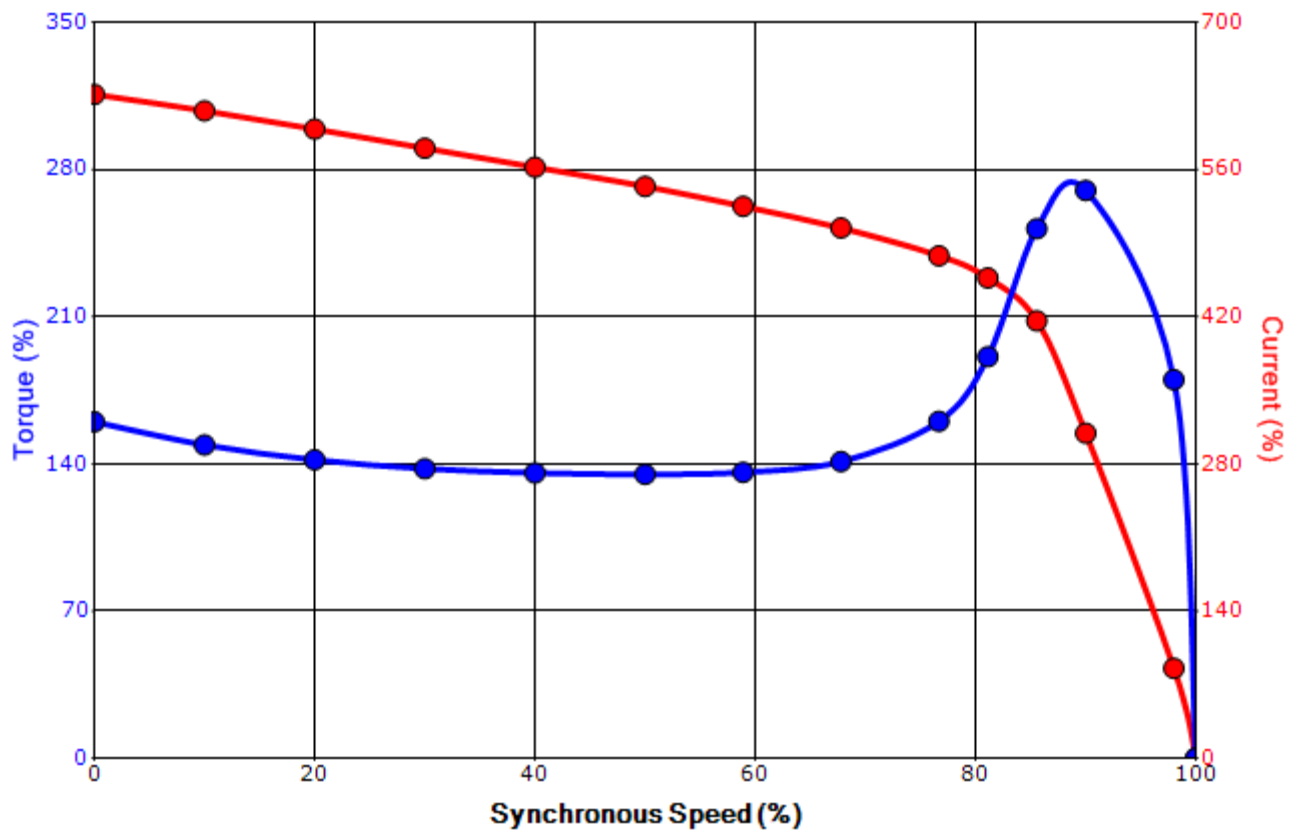
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### SPEED TORQUE/CURRENT CURVE

Model: 0754XSSB42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
75	55	4	1780	365TC	460	60	3	85
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	95.4	B	G	40 C
Locked Rotor Amps	Rotor wk <sup>2</sup> Inertia (lb-ft <sup>2</sup> )	Torque				Pull Up (%)	Break Down (%)	
		Full Load (lb-ft)	Locked Rotor (%)					
542.5	20.46	221	160		135	270		

### 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	-

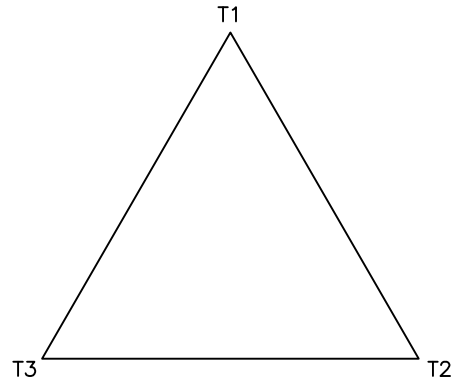
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Engineering	garce	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121/1
Engr. Date	10/27/2015	Doc. Approved By	M. Campbell	Doc. Issued	9/20/2019

**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.