

- NOTES:
1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 2. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
 3. KEY DIMENSIONS EQUAL (MOTOR SUPPLIED WITH KEY)
- 0.188" x 0.188" x 1.38"

UNITS: INCHES

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.

**140T TEFC FRAME
F1 ASSEMBLY**

MDSL081-01

TOSHIBA
TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

.X	.1
.XX	.03
.XXX	.005
.XXXX	.0005

MAXIMUM
MOTOR WEIGHT

56 lbs.
25 kgs.

NO	REVISION	DRAWN BY	DATE	CHECK
1	CHANGED 'H' DIMENSION FROM 0.35	MO	04/22/14	JR
0	FIRST ISSUE (OVERRIDE 'R' & 'S' DIM. VALUES)	N. MOMIN	12/29/10	JR
NO				



DRAWN BY: N. MOMIN
CHECK BY: J. RUSSELL
APPROVED BY:

www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: Y154XDSB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1750	145T	460	60	3	2.40
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	86.5	B	M	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.1	2.4	85.5	72.7
¾ Load	1.13	0.8	1.9	82.0	64.8
½ Load	0.75	0.6	1.6	82.0	52.2
¼ Load	0.38	0.3	1.5	69.1	33.8
No Load			1.3		8.3
Locked Rotor			19.00		67.9

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
4.5	285	250	425	0.12

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
28.6	23	-	6305C3	6305C3	

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

Motor Options:
Product Family:EQP Global 841
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.

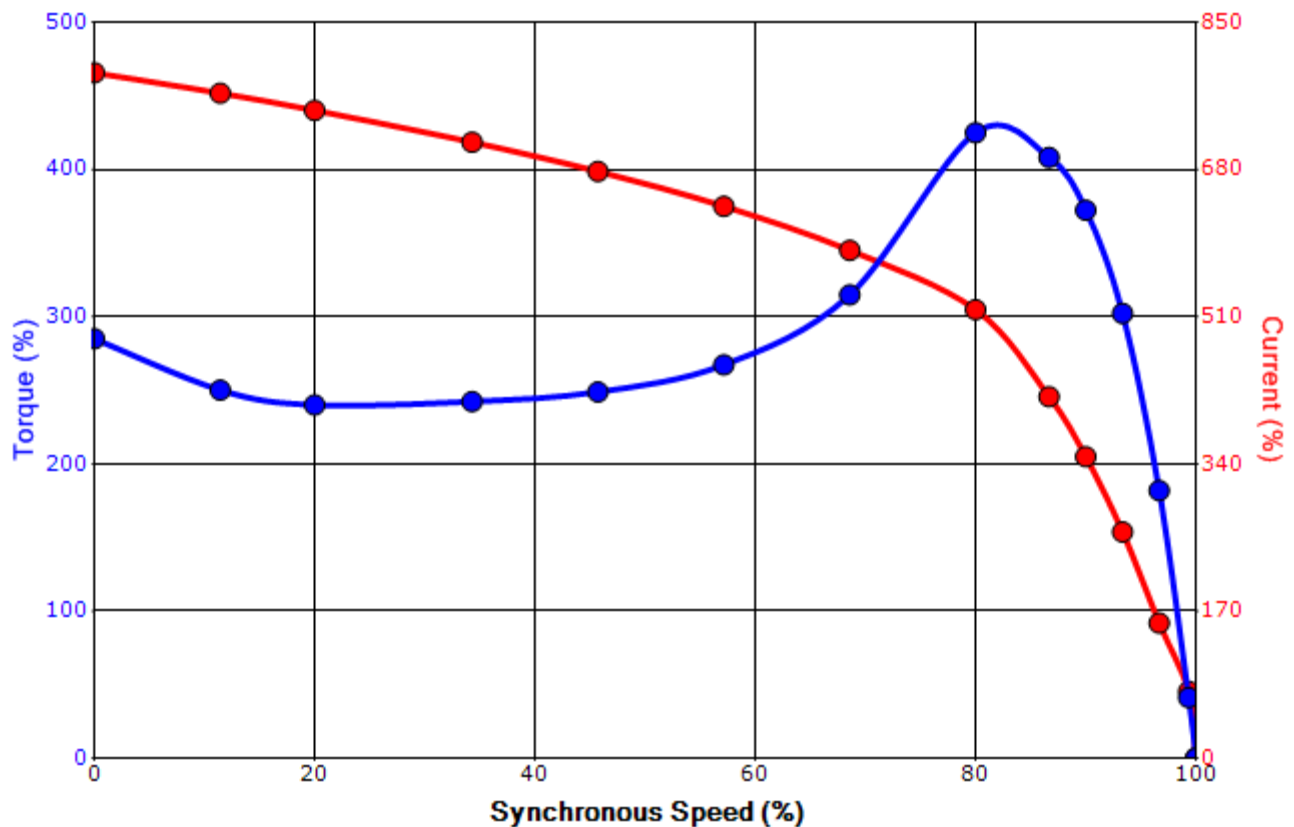
Engineering	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	7/7/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: Y154XDSB41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1750	145T	460	60	3	2.40
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	86.5	B	M	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
19.00	0.12	4.5	285	250			425	

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.

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

Engineering	jaustin	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	7/7/2014	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.