

DANGER
 ELECTRICAL EQUIPMENT
 WARNING: TO PREVENT PERSONAL INJURY OR DEATH, READ AND UNDERSTAND THE INSTRUCTIONS CAREFULLY BEFORE USING THIS EQUIPMENT.
 1. DO NOT TOUCH THE MOTOR PARTS WHILE THE MOTOR IS RUNNING.
 2. DO NOT TOUCH THE MOTOR PARTS IMMEDIATELY AFTER THE MOTOR HAS STOPPED.
 3. DO NOT TOUCH THE MOTOR PARTS IMMEDIATELY AFTER THE MOTOR HAS STOPPED.
 4. DO NOT TOUCH THE MOTOR PARTS IMMEDIATELY AFTER THE MOTOR HAS STOPPED.

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 TEXP FRAME F1 ASSEMBLY	TOLERANCES .X .1 .XX .03 .XXX .005 .XXXX .0005							
MDSL800-01	MAXIMUM MOTOR WEIGHT							
TOSHIBA	77 lbs.	1 CHANGE LOGO TO XP	MO	03/14/14	JR	DRAWN BY:	M. O'DOWD	
	35 kgs.	0 FIRST ISSUE (OVERRIDE D, R, & S DIMS.)	MO	02/27/14	JR	CHECK BY:	J. RUSSELL	
TOSHIBA INTERNATIONAL CORPORATION		NO REVISION	DRAWN BY	DATE	CHECK	APPROVED BY:	www.toshiba.com/ind	

TYPICAL MOTOR PERFORMANCE DATA

Model: Y154XPEC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1750	145T	575	60	3	2
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	L	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.1	1.9	86.5	72.6
¾ Load	1.13	0.8	1.5	85.6	64.9
½ Load	0.75	0.6	1.2	82.1	52.3
¼ Load	0.38	0.3	1.1	69.3	34.4
No Load			1.1		8.3
Locked Rotor			15.00		68.5

Torque				Rotor wk ²
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	Inertia (lb-ft ²)
4.5	280	245	425	0.12

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
30	24	-	6305ZZC3	6305ZZC3	

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

Motor Options:
Product Family:EQP Global Explosion Proof
Mounting:Footed,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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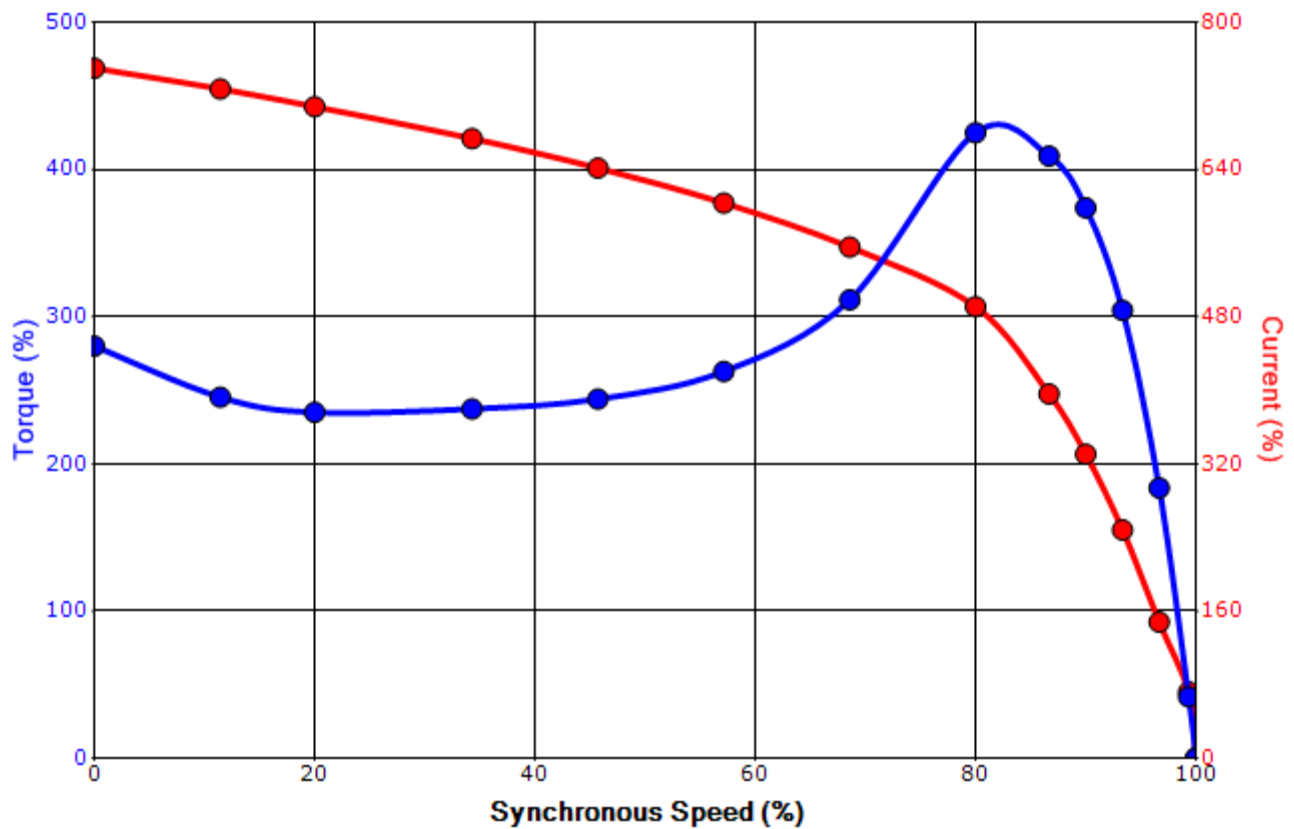
Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	6/13/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: Y154XPEC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1750	145T	575	60	3	2
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	L	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
15.00	0.12	4.5	280	245			425	

Design Values



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

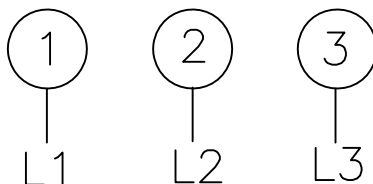
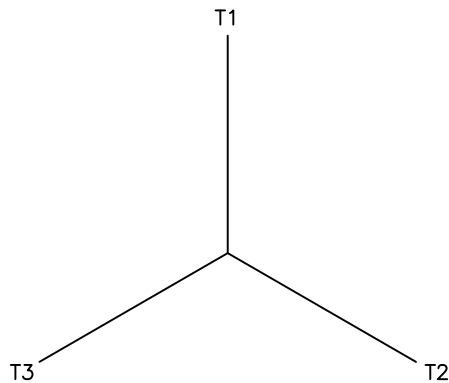
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Engineering	jhock	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	6/13/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

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.