

DANGER
 TO PREVENT PERSONAL INJURY OR DEATH
 READ AND UNDERSTAND ALL INSTRUCTIONS
 BEFORE OPERATING THIS EQUIPMENT.
 ONLY TRAINED OR TRAINING PERSONNEL WILL
 BE ALLOWED TO OPERATE THIS EQUIPMENT.
 1. LOCK OFF AND TAG OUT POWER SOURCE
 BEFORE OPERATING THIS EQUIPMENT.
 2. TO PREVENT PERSONAL INJURY OR DEATH
 ALWAYS WEAR YOUR SAFETY GEAR.
 3. ALWAYS USE PROPER LIFTING TECHNIQUE.
 4. ALWAYS USE PROPER TIE-OFF TECHNIQUE.
 5. ALWAYS USE PROPER FALL PROTECTION.
 6. ALWAYS USE PROPER ELECTRICAL SAFETY PROCEDURES.
 7. ALWAYS USE PROPER LOCKOUT/TAGOUT PROCEDURES.
 8. ALWAYS USE PROPER WELDING SAFETY PROCEDURES.
 9. ALWAYS USE PROPER CUTTING SAFETY PROCEDURES.
 10. ALWAYS USE PROPER DRILLING SAFETY PROCEDURES.
 11. ALWAYS USE PROPER GRINDING SAFETY PROCEDURES.
 12. ALWAYS USE PROPER MILLING SAFETY PROCEDURES.
 13. ALWAYS USE PROPER TURNING SAFETY PROCEDURES.
 14. ALWAYS USE PROPER TAPPING SAFETY PROCEDURES.
 15. ALWAYS USE PROPER THREADING SAFETY PROCEDURES.
 16. ALWAYS USE PROPER BENDING SAFETY PROCEDURES.
 17. ALWAYS USE PROPER FORMING SAFETY PROCEDURES.
 18. ALWAYS USE PROPER SHEARING SAFETY PROCEDURES.
 19. ALWAYS USE PROPER BRACING SAFETY PROCEDURES.
 20. ALWAYS USE PROPER RIGGING SAFETY PROCEDURES.
 21. ALWAYS USE PROPER HOISTING SAFETY PROCEDURES.
 22. ALWAYS USE PROPER LIFTING SAFETY PROCEDURES.
 23. ALWAYS USE PROPER LOWERING SAFETY PROCEDURES.
 24. ALWAYS USE PROPER MOVING SAFETY PROCEDURES.
 25. ALWAYS USE PROPER POSITIONING SAFETY PROCEDURES.
 26. ALWAYS USE PROPER ALIGNING SAFETY PROCEDURES.
 27. ALWAYS USE PROPER ADJUSTING SAFETY PROCEDURES.
 28. ALWAYS USE PROPER TIGHTENING SAFETY PROCEDURES.
 29. ALWAYS USE PROPER LOOSENING SAFETY PROCEDURES.
 30. ALWAYS USE PROPER CLEANING SAFETY PROCEDURES.
 31. ALWAYS USE PROPER MAINTENANCE SAFETY PROCEDURES.
 32. ALWAYS USE PROPER REPAIR SAFETY PROCEDURES.
 33. ALWAYS USE PROPER REPLACEMENT SAFETY PROCEDURES.
 34. ALWAYS USE PROPER DISPOSAL SAFETY PROCEDURES.
 35. ALWAYS USE PROPER STORAGE SAFETY PROCEDURES.
 36. ALWAYS USE PROPER TRANSPORT SAFETY PROCEDURES.
 37. ALWAYS USE PROPER UNLOADING SAFETY PROCEDURES.
 38. ALWAYS USE PROPER LOADING SAFETY PROCEDURES.
 39. ALWAYS USE PROPER UNPACKING SAFETY PROCEDURES.
 40. ALWAYS USE PROPER PACKING SAFETY PROCEDURES.
 41. ALWAYS USE PROPER LABELING SAFETY PROCEDURES.
 42. ALWAYS USE PROPER MARKING SAFETY PROCEDURES.
 43. ALWAYS USE PROPER IDENTIFICATION SAFETY PROCEDURES.
 44. ALWAYS USE PROPER RECORDING SAFETY PROCEDURES.
 45. ALWAYS USE PROPER REPORTING SAFETY PROCEDURES.
 46. ALWAYS USE PROPER DOCUMENTATION SAFETY PROCEDURES.
 47. ALWAYS USE PROPER COMMUNICATION SAFETY PROCEDURES.
 48. ALWAYS USE PROPER COORDINATION SAFETY PROCEDURES.
 49. ALWAYS USE PROPER COLLABORATION SAFETY PROCEDURES.
 50. ALWAYS USE PROPER TEAMWORK SAFETY PROCEDURES.

- 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 0.188" x 0.188" x 1.38" (MOTOR SUPPLIED WITH KEY)

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**

MDSL800-01

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

TOLERANCES

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

MAXIMUM MOTOR WEIGHT

77 lbs.
35 kgs.

NO	REVISION	DRAWN BY	DATE	CHECK
1	CHANGE LOGO TO XP	MO	03/14/14	JR
0	FIRST ISSUE (OVERRIDE D, R, & S DIMS.)	MO	02/27/14	JR
NO				



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 CHECK BY: J. RUSSELL
 APPROVED BY: _____
 www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: 0022XPEC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2	1.5	2	3490	145T	575	60	3	2.10
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	85.5	B	K	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	2	1.5	2.1	85.0	84.8
¾ Load	1.50	1.1	1.6	85.0	79.9
½ Load	1.00	0.7	1.2	82.3	69.6
¼ Load	0.50	0.4	1.0	73.0	47.5
No Load			0.9		8.9
Locked Rotor			18.00		70.5

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
3.01	285	270	370	0.06

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
18.6	12.5	-	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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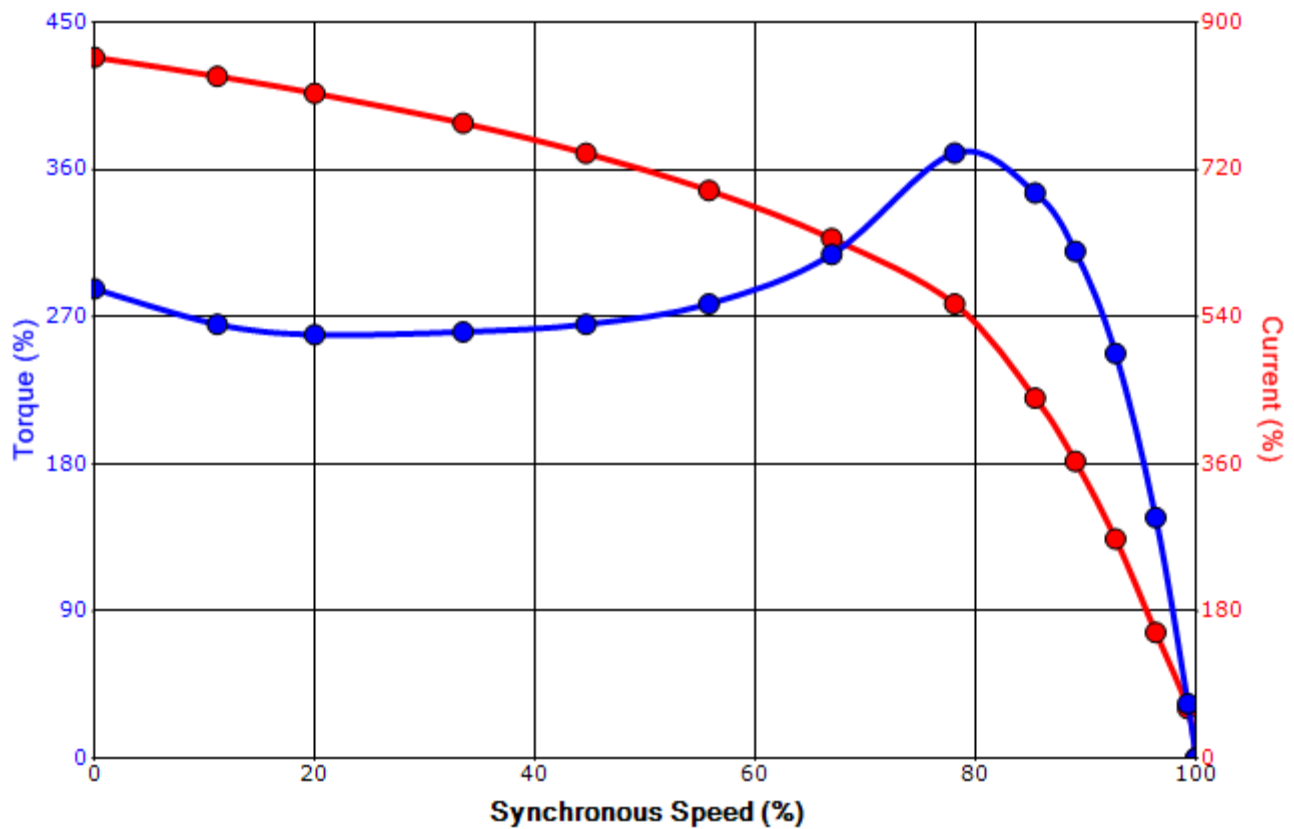
Engineering	garce	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	4/30/2014	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0022XPEC41A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2	1.5	2	3490	145T	575	60	3	2.10
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	85.5	B	K	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
18.00	0.06	3.01	285	270			370	

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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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.