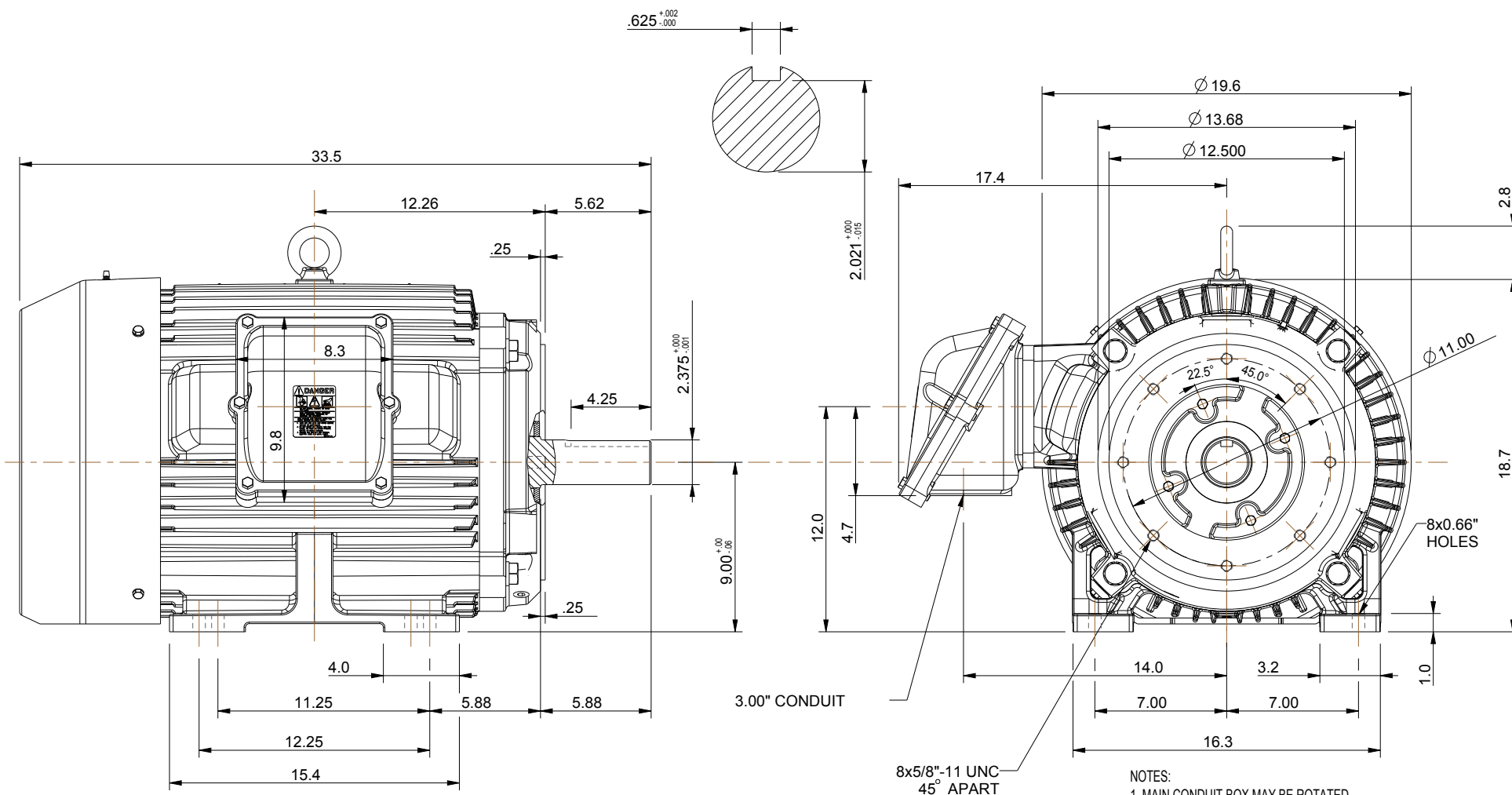




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360TC TEXP FRAME F1 ASSEMBLY	TOLERANCES .X .1 .XX .03 .XXX .005 .XXXX .0005																								
MDSL804-07	MAXIMUM MOTOR WEIGHT 860 lbs. 390 kgs.																								
TOSHIBA TOSHIBA INTERNATIONAL CORPORATION		0 FIRST ISSUE	NO	REVISION	MO	04/16/14	JR	CHECK																	



DRAWN BY: M. O'DOWD
 CHECK BY: J. RUSSELL
 APPROVED BY: _____
 www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: 0604XPEA42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	4	1775	364TC	230/460	60	3	136/68
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	95.0	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	60.00	44.7	67	95.3	87.1
¾ Load	45.00	33.6	52	94.8	85.2
½ Load	30.00	22.4	37	93.2	79.4
¼ Load	15.00	11.2	26	87.9	61.0
No Load			19.5		
Locked Rotor			473		

Torque				Rotor wk² Inertia (lb-ft²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
178	175	125	270	16.80

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6314C3	6312C3	961

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

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

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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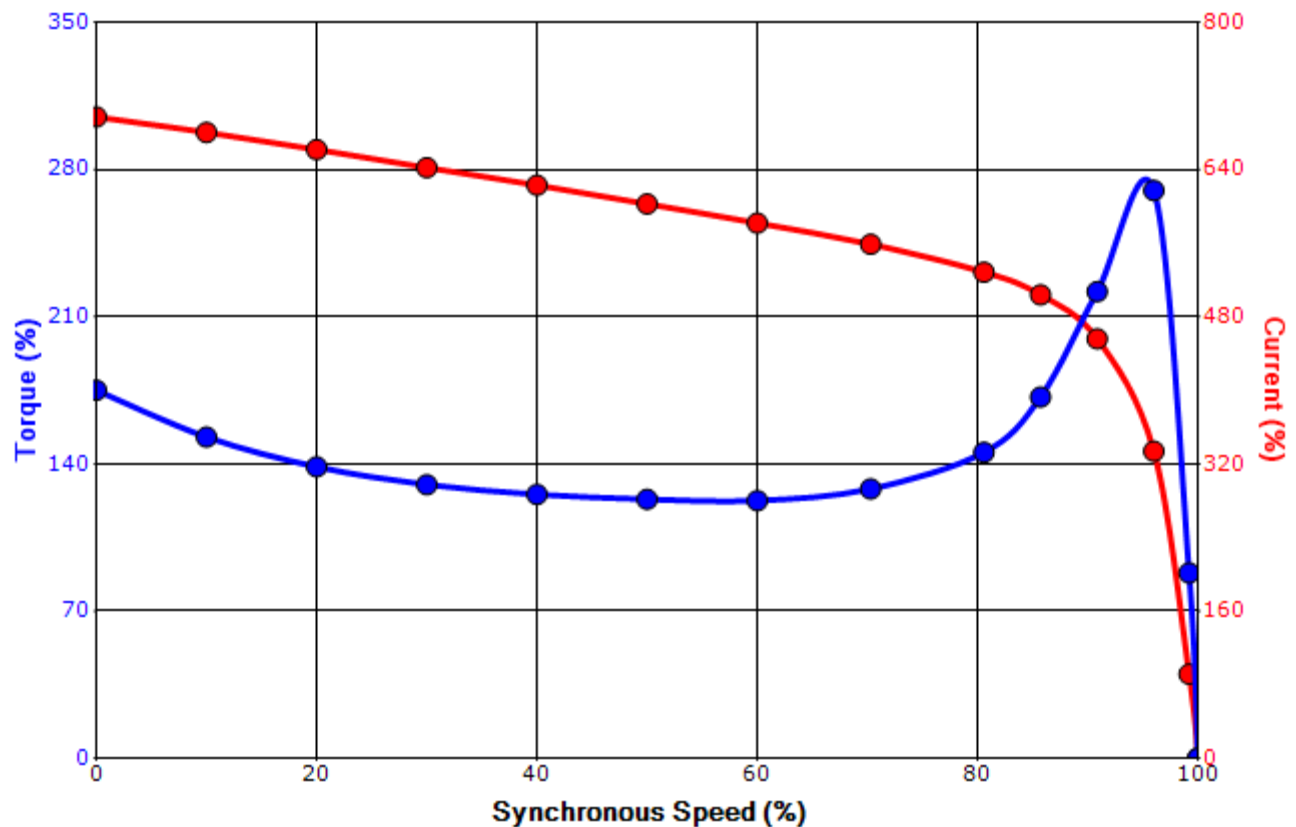
Engineering	Jrodrigu	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	8/29/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: 0604XPEA42A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	4	1775	364TC	230/460	60	3	136/68
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	56	F	1.15	CONT	95.0	B		40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
473	16.80	178	175	125		270		

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	Jrodrigu	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	8/29/2024	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

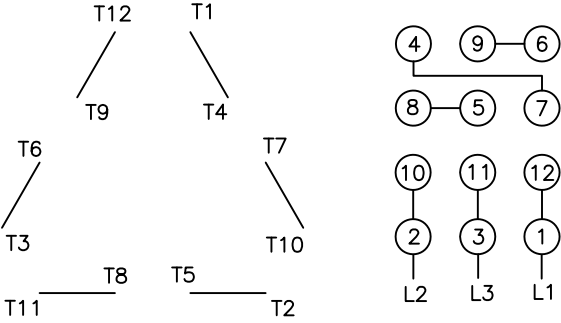
Motor Connection Diagrams
12 Leads

Across-the-Line Starting / Running Connections

Low Voltage Delta



High Voltage Delta



Switch L1 and L2 to reverse rotation

Suitable for Wye-Delta Starting and Limited Part-Winding-Starting.
Please Contact Toshiba International for specific connections.