Issued Date	6/20/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

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TYPICAL MOTOR PERFORMANCE DATA

Model: 0104XPEA44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	4	1770	215TC	230/460	60	3	26.4/13.2
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	56	F	1.15	CONT	91.7	B		40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	10.00	7.5	13.2	91.9	77.0
¾ Load	7.50	5.6	10.8	90.9	71.5
½ Load	5.00	3.7	8.6	88.4	61.4
¼ Load	2.50	1.9	5.8	82.0	48.9
No Load			6.8		5.0
Locked Rotor			87		43.7

Torque				Rotor wk² Inertia
Full Load (lb-ft)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(lb-ft²)**
29.7	305	225	350	1.33

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold	**Hot**		**DE**	**NDE**	**(lbs)**
35	15	-	6308UU	6308UU	

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

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

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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Engineering	bmammen	**Doc. Written By**	D. Suarez	**Doc.# / Rev**	MPCF-1119 / 0
Engr. Date	5/5/2025	**Doc. Approved By**	M. Campbell	**Doc. Issued**	6/8/2011

Issued Date	6/20/2025	Transmit #	
Issued By	dschoeck	Issued Rev	

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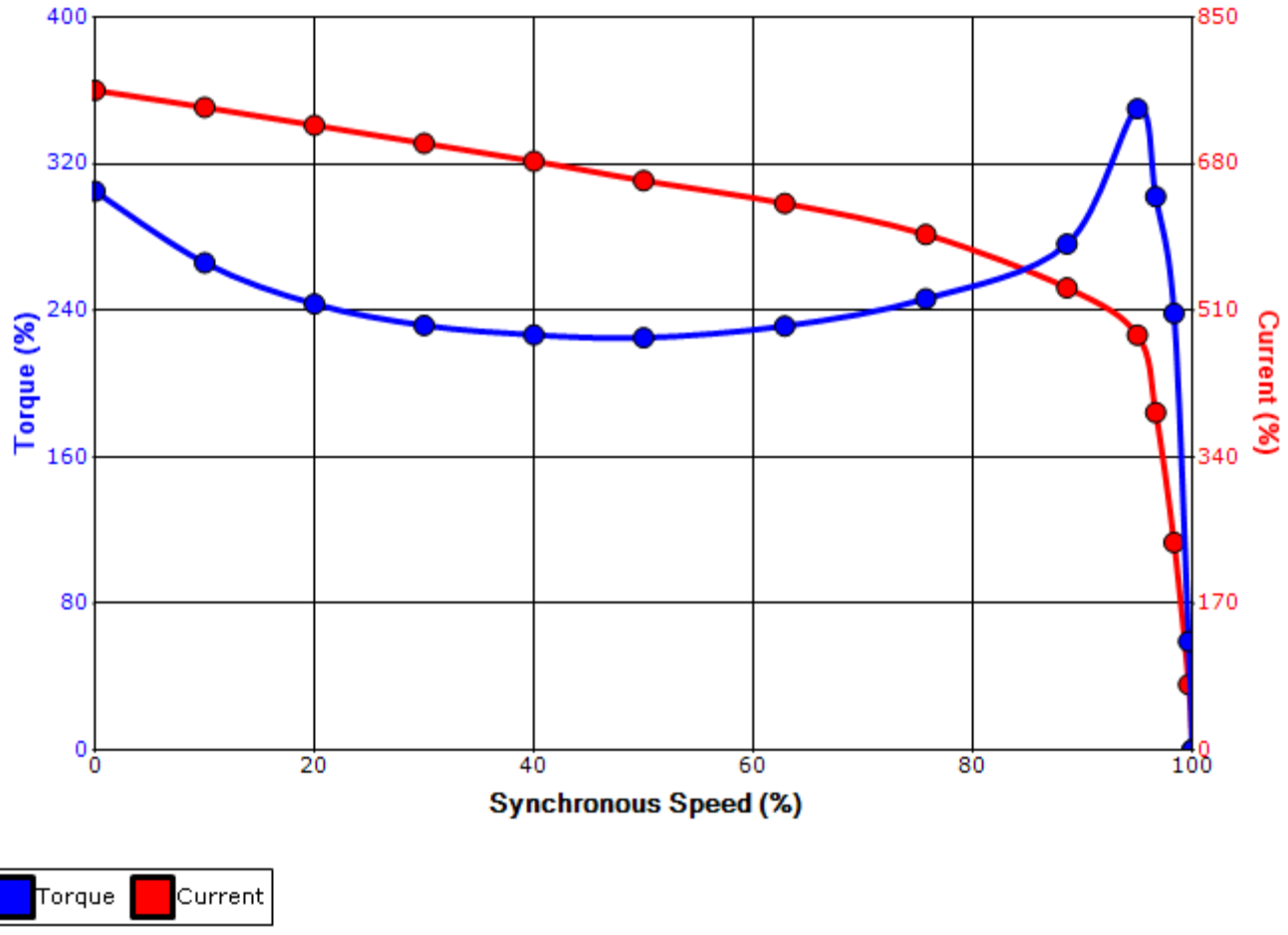
SPEED TORQUE/CURRENT CURVE

Model: 0104XPEA44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	4	1770	215TC	230/460	60	3	26.4/13.2
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	56	F	1.15	CONT	91.7	B		40 C

Locked Rotor Amps	Rotor wk² Inertia (lb-ft²)	Torque			
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
87	1.33	29.7	305	225	350

Design Values



Customer		**wk² Load Inertia (lb-ft²)**	-
Customer PO		**Load Type**	-
Sales Order		**Voltage (%)**	100
Project #		**Accel. Time**	-

Tag:

All characteristics are average expected values.

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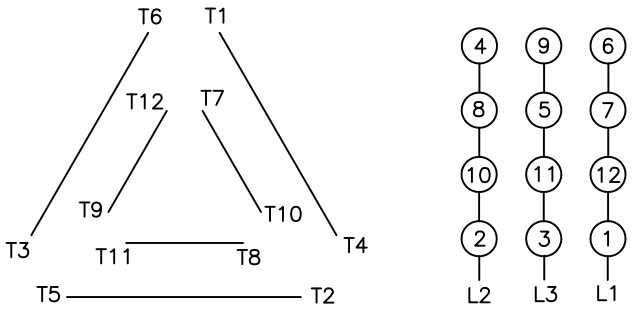
Engineering	bmammen	**Doc. Written By**	D. Suarez	**Doc.# / Rev**	MPCF-1121 / 0
Engr. Date	5/5/2025	**Doc. Approved By**	M. Campbell	**Doc. Issued**	6/8/2011

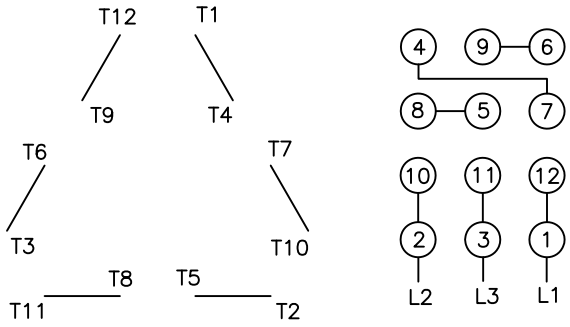
Motor Connection Diagrams
12 Leads

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.

Issued Date:	6/20/2025	**Transmit #:**	
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SPARE PARTS LIST*

Model: 0104XPEA44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	4	1770	215TC	230/460	60	3	26.4/13.2
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**NEMA Nom. Eff.**	**NEMA Design**	**kVA Code**	**Ambient (°C)**
TEFC	56	F	1.15	CONT	91.7	B		40 C

Bearings DE	6308UU / 40BC03JGGOA
Bearings NDE	6308UU / 40BC03JGGOA

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

Other than the grease used for regreasable bearings and the oil used for oil-lubricated bearings, Toshiba advises that there are no "use" parts. The only insurance spares that Toshiba suggests for these squirrel-cage induction motors are industry-standard and commercially available off-the-shelf bearings as noted above.

Motor components such as terminal boxes, fan covers and other machined parts are available on special request. In these cases, please advise our order entry department of the model and serial numbers found on the motor nameplate and a description of the needed components. With this information they will be able to furnish the current part number, price and availability.

Note: Our internal part numbers are subject to change without notice and are not published.

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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Engineering	bmammen	**Doc. Written By**	D. Suarez	**Doc.# / Rev**	MPCF-1125 / 0
Engr. Date	5/5/2025	**Doc. Approved By**	M. Campbell	**Doc. Issued**	6/8/2011