



Leading Innovation >>>

TYPICAL MOTOR PERFORMANCE DATA

Issued Date

Issued By

6/20/2025

dschoeck

Transmit #

Issued Rev

up	1-34/	Dela I		F rom o	Valtara		Dhaaa	
HP 2	kW 1.5	Pole 4	FL RPM 1750	Frame 145TC	Voltage 230/460	Hz 60	Phase 3	FL Amps 5.6/2.8
2					NEMA	NEMA		Ambient
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
TEFC	56	F	1.15	CONT	86.5	B		40 C
oad	HP	kW	Ampe	eres	Efficiency	y (%)	Power Fa	actor (%)
ull Load	2.00	1.5	2.	8	87.1			5.8
Load	1.50	1.1	2.		86.8		69	9.8
2 Load	1.00	0.7	1.		84.4			3.4
Load	0.50	0.4	1.		77.4			1.6
lo Load		-	11					.9
ocked Rotor			22	2			53	3.7
			T					Determine
Full Lo	had	Looko	Torque d Rotor		III Up	Bro	ak Down	Rotor wk ² Inertia
run Lo (lb-ft			FLT)		FLT)	_	6 FLT)	(lb-ft ²)
(1)-11 0.0			70		205	(7	335	0.15
Cold	Hot	Pressure dB(A) @ 1M	DE	Bearin	NDE		Approx. Mo	-
32	27	dB(A) @ 1M -	DF 6305		NDE 6305U			os)
	27 ecommended spare	dB(A) @ 1M -						-
32 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face Re Mounting:C-Face Re Customer PO	27 ecommended spare	dB(A) @ 1M -						-
32 Bearings are the only re Totor Options: Product Family:EQF Aounting:C-Face Re Aounting:C-Face Re Sustomer PO Fales Order	27 ecommended spare	dB(A) @ 1M -						-
32 Bearings are the only re lotor Options: roduct Family:EQF Mounting:C-Face Re Mounting:C-Face Re ustomer ustomer ustomer PO ales Order roject #	27 ecommended spare	dB(A) @ 1M -						-
32 Bearings are the only re roduct Family:EQF founting:C-Face Re ustomer ustomer PO ales Order roject # ag:	27 ecommended spare	dB(A) @ 1M -						_
32 Bearings are the only re Product Family: EQF Aounting: C-Face Re Sustomer Sustomer PO ales Order Project # ag:	27 ecommended spare P Global Explos ound,Shaft:T Sl	dB(A) @ 1M -	6305	E UU	6305U	U		_
32 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face Re	27 ecommended spare P Global Explos ound,Shaft:T Sl	dB(A) @ 1M -	6305		6305U	U 		_



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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
2	1.5	4	1430	145TC	190/380	50	3	6.6/3.3
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient
TEFC	56	F	1.0	CONT	83.5	-		(° C) 40 C
TELE	50		1.0	CONT	00.0	-		40 C
oad	HP	kW	Ampe	eres	Efficiency	y (%)	Power F	actor (%)
ull Load	2.00	1.5	3.1		83.7			2.7
Load	1.50	1.1	2.		85.2			3.2
2 Load	1.00	0.7	1.9		84.3			3.1
Load	0.50	0.4	1.:		79.4			5.0
lo Load		-	1.4					.5
ocked Rotor			34	4			71	1.4
		I	Torque					Rotor wk ²
Full Lo			d Rotor		ll Up		ak Down	Inertia
(lb-ft 7.35			F LT) 15		FLT) 165	(%	6 FLT) 235	(lb-ft ²) 0.15
Cold			Pressure Documings dB(A) @ 1M DE NDE					
	Hot	dB(A) @ 1M					(It	os)
32	22	dB(A) @ 1M -	DE 6305		NDE 6305U		(Ik	os)
32 Bearings are the only re Motor Options: Product Family:EQF	22 ecommended span	e part(s).					(11	os)
32 Bearings are the only re	22 ecommended span	e part(s).					(t	os)
32 Bearings are the only re Notor Options: Product Family:EQF Mounting:C-Face R	22 ecommended span	e part(s).					. (It	os)
32 Bearings are the only re lotor Options: Product Family:EQF Mounting:C-Face R	22 ecommended span	e part(s).					(It	os)
32 Bearings are the only re lotor Options: Product Family:EQF Aounting:C-Face R	22 ecommended span	e part(s).					(t	os)
32 earings are the only re otor Options: roduct Family:EQF founting:C-Face R ustomer ustomer PO ales Order	22 ecommended span	e part(s).					(os)
32 Bearings are the only re Notor Options: Product Family:EQF	22 ecommended span	e part(s).					(k	os)
32 Bearings are the only re roduct Family: EQF Aounting: C-Face R ustomer ustomer PO ales Order roject # ag:	22 ecommended span	e part(s). ion Proof haft					(os)
32 Bearings are the only re roduct Family: EQF Aounting: C-Face R ustomer ustomer PO ales Order roject # ag:	22 ecommended span P Global Explos ound,Shaft:T S	e part(s). ion Proof haft	6305		6305U	U	(k	os)
32 Bearings are the only re Product Family:EQF Mounting:C-Face R Mounting:C-Face R Sustomer Sustomer PO Sales Order Project #	22 ecommended span P Global Explos ound,Shaft:T S	e part(s). ion Proof haft	6305		6305U	U 	([t	



Customer Customer PO Sales Order Project # Tag:

HP 2 Enclosure TEFC Locked Rotor Amps 22

				Issued Date	6/20/20	20	Transmit #	
SHI	BA			Issued By	dschoe	ck	Issued Rev	
ng Inno	vation >>>							
		SI	PEED TORQ	UE/CURREN	CURVE			
Model:	0024XPEA44A-	Р						
	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	1.5	4	1750	145TC	230/460	60	3	5.6/2.8
					NEMA	NEMA		Ambient
ire	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
	56	F	1.15	CONT	86.5	В		40 C
otor	Rotor wk ² Inertia	Full Load	Locked	Potor	Torque Pull U	n	Break	Down
	(lb-ft ²)	(lb-ft)	LUCKEU (%		(%)	þ	Break (%	
	0.15	6.00	27		205		33	
320							7	20
240 160 80	_	20	40 Synch	6 ronous Speed		80	3	40 Current (%) 60
80 0	_	_			(%)	80		40 Current (%) 60
80 0	_	_			(%)	nertia (Ib-ft²) Load Type		40 Current (%) 60 80
Hordne (%	_	_			(%)	nertia (Ib-ft²)		40 Current (%) 60 80

All characteristics are average expected values.

	TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1121 / 0				
Engr. Date	6/17/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				



HP

2

Enclosure TEFC

Locked Rotor

Amps

34

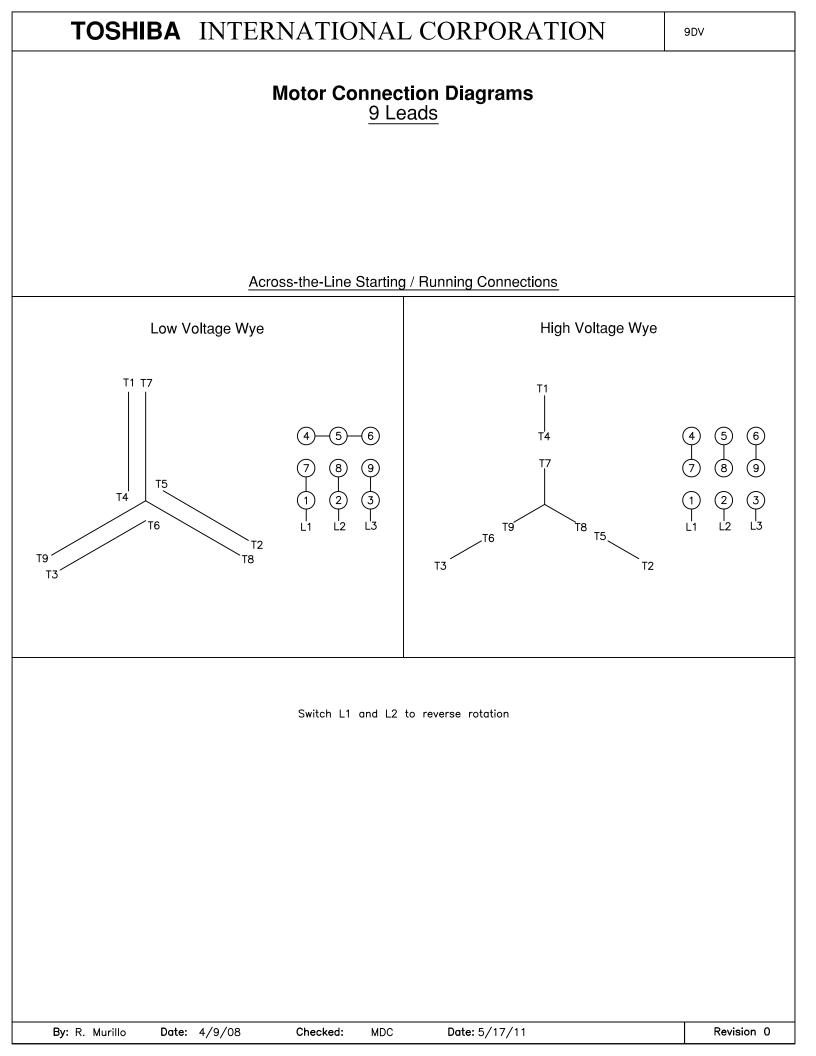
1.5 4 1430 145TC 190/380 50 3 6.6/3.3				Issued Date	6/20/202		Transmit #	
generation >>> BEED TORQUE/CURRENT CURVE ted::::::::::::::::::::::::::::::::::::	SHIBA			Issued By	dschoed	ck	Issued Rev	
1.5 4 1430 145TC 190/380 50 3 6.8/33 re IP Ins. Class S.F. Duty NEMA Nom. Eff. Design kVA Code Ambien (°C) 56 F 1.0 CONT 83.5 - 40 C otor Retor wk² Inertia ((b-ft)) Locked Rotor Puil Up Break Down (%) 90			PEED TORQ	UE/CURREN	T CURVE			
1.5 4 1430 145TC 190/380 50 3 6.6/3.3 ire IP Ins. Class S.F. Duty NEMA Nom. Eff. NEMA Design KVA Code Ambien (°C) otor Rotor wk² Inertia (Ib-ft) Full Load Locked Rotor Torque - 40 C otor Inertia (Ib-ft) (Ib-ft) (%a) (%b) (%b) <t< th=""><th>kW</th><th>Pole</th><th>FL RPM</th><th>Frame</th><th>Voltage</th><th>Hz</th><th>Phase</th><th>FL Amps</th></t<>	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
IP Ins. Class S.F. Duty Nom. Eff. Design KVA Code (*C) 56 F 1.0 CONT 83.5 - 40.C otor Rotor wk ² - 40.C - 40.C (b-ft?) Full Load Locked Rotor Pull Up Break Down (b-ft?) (b-ft?) (b-ft) (%) (%) (%) 0.15 7.35 215 165 235	1.5	4	1430	145TC		50		6.6/3.3
otor Rotor wk² Full Load Locked Rotor Pull Up Break Down (b-ft) (b-ft) (b-ft) (fk) (fk) (fk) (fk) 0.15 7.35 215 165 235 Design Values 000 0	_	Ins. Class	S.F.				kVA Code	
Inertia Full Load Locked Rotor Pull Up Break Down (b-tt) (tb-tt) (%) (%) (%) 0.15 7.35 215 165 235 Design Values		F	1.0	CONT		-		40 C
0.15 7.35 215 165 235 Design Values	otor Inertia				Pull Up	0		
Design Values								
	orque (%			•			4	²⁰ Current (%)
Synchronous Speed (%)	60						1	40
Oynemonous Opeed (%)	0	20	40	6	0	80	100	

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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Engineering	bmammen	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0				
Engr. Date	6/17/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				



тозні	BA			Issued Date: Issued By:	6/20/20 dschoe	-	Transmit #: Issued Rev:	÷
Leading Inno	ovation >>>> 0024XPEA44/		SPAR	E PARTS LIS	ST*			
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	Г
2	1.5	4	1750	145TC	230/460	60	3	Γ
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	

Enclo	sure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	Design	kVA Code	(°C)
TEF	С	56	F	1.15	CONT	86.5	В		40 C
Bearings	arings DE 6305UU / 25BC03JGGOX								
Bearings	NDE	6305UU / 25BC	03JGGOX						

FL Amps 5.6/2.8 Ambient

*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 av	erage expected values.								
	TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A.								
Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0				
Engr. Date	6/17/2025	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011				