



6/17/2025

Engr. Date

Issued By     dschoeck     Issued Rev       Leading Innovation     TYPICAL MOTOR PERFORMANCE DATA       Model:     Y154XDSB47A.P       HP     KW     Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Am       1.50     1.1     4     1760     145TC     460     60     3     2.3       Enclosure     IP     Ins. Class     S.F.     Duty     NEMA Nom. Eff.     NEMA Design     kVA Code     Ambie (°C)       TEFC     56     F     1.15     CONT     86.5     B     400 C       coad     HP     kW     Amperes     Efficiency (%)     Power Factor (%)     Four Factor (%)       full Load     1.50     1.1     2.3     86.9     69.4       4 Load     1.13     0.8     2.0     85.5     61.7       4 Load     1.13     0.8     2.0     85.5     61.7       4 Load     0.38     0.3     1.1     77.6     41.2       tod Load     1.5     7.3 <td< th=""><th colspan="2"></th><th></th><th></th><th>Issued Date</th><th>6/20/202</th><th>25</th><th>Transmit #</th><th></th></td<>					Issued Date	6/20/202	25	Transmit #	
Leading Innovation >>>       TPICAL MOTOR PERFORMANCE DATA       Mode: Y154XD5847A.P       Image: Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Am       Image: Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Am       Image: Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Am       Image: Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Am       Image: Pole     Pole     FL AM     None, Eff     Desciption     Ambie     Colspan="2">Power Factor (%)       Cold     HP     kW     Ample A Boom     Mill Load     NT     Power Factor (%)       Cold     Ample: Mage: Colspan="2">Ample: Colspa: Colspa: Colspan="2">Ample: Colspan="2">Colspan="2" Colspan= "2"	TOSH	OSHIBA			Issued By	dschoe	ck	Issued Rev	
TYPICAL MOTOR PERFORMANCE DATA       Model:     Y154XDSB47A-P       HP     KW     Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Am       1.50     1.1     4     1760     145TC     460     60     3     2.3       Enclosure     IP     Ins. Class     S.F.     Duty     NEMA Nom. Eff.     Design     kVA Code     Ambie       oad     HP     kW     Amperes     Efficiency (%)     Power Factor (%)     0       ull Load     1.50     1.1     2.3     86.9     69.4     40.0       i.load     1.50     1.1     2.3     86.9     69.4     10.0       i.load     0.75     0.6     1.6     82.6     53.2     1.1       i.load     0.38     0.3     1.1     77.6     41.2     0       i.load     0.38     0.3     1.1     77.6     54.0     54.0       Vill Load     (b-ft)     (c/k FLT)     (r/k FLT)     (r/k FLT)     10.1					·				
Model:     Y154XDSB47A-P       HP     KW     Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Am       1.50     1.1     4     1760     145TC     460     60     3     2.3       Enclosure     IP     Ins. Class     S.F.     Duty     NEMA Nom. Eff.     Design     kVA Code     Ambie       0ad     HP     kW     Amperes     Efficiency (%)     Power Factor (%)       uil Load     1.50     1.1     2.3     86.9     69.4       Load     1.13     0.8     2.0     85.5     61.7       Load     0.75     0.6     1.6     82.6     53.2       Load     0.38     0.3     1.1     77.6     412       ocked Rotor     19.6     7.3     54.0     54.0       Vill Load     Locked Rotor     Pull Up     Break Down     Inerti       (Ib-ft)     (% FLT)     (% FLT)     (% FLT)     10.4       4.48     330     245     375	Leading inn	ovation ///							
HP     KW     Pole     FL RPM     Frame     Voltage     Hz     Phase     FL Am       1.50     1.1     4     1760     145TC     460     60     3     2.3       Enclosure     IP     Ins. Class     S.F.     Duty     NEMA Nom. Eff.     NEMA Design     kVA Code     Ambie (°C)       TEFC     56     F     1.15     CONT     86.5     B     40 C       oad     HP     kW     Amperes     Efficiency (%)     Power Factor (%)     40 C       uil Load     1.50     1.1     2.3     86.9     69.4     1.16       Load     1.30     0.8     2.0     85.5     61.7     1.12     1.14     1.16     82.6     53.2     1.16     1.12     1.12     1.12     1.12     1.12     1.12     1.12     1.12     1.11     1.11     1.12     1.12     1.12     1.11     1.11     1.11     1.11     1.11     1.11     1.11     1.11     1.11     1.12     1.11 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>									
1.50     1.1     4     1760     145TC     460     60     3     2.3       Enclosure     IP     Ins. Class     S.F.     Duty     NEMA Nom. Eff.     NEMA Design     kVA Code     Ambie (°C)       TEFC     56     F     1.15     CONT     86.5     B     40 C       oad     HP     kW     Amperes     Efficiency (%)     Power Factor (%)       uil Load     1.50     1.1     2.3     86.9     69.4       i Load     1.50     1.1     2.3     86.9     69.4       i Load     1.75     0.6     1.6     82.6     53.2       i Load     0.38     0.3     1.1     77.6     41.2       o Load     0.38     0.3     1.1     77.6     41.2       o Load     0.38     0.3     1.1     77.6     41.2       o Load     330     245     375     0.13       Safe Stall Time(s)     Sound Pressure dB(A) @ 1M     Bearings*     Approx. Motor Weigh (lbs)	Model:	Y154XDSB47	A-P						
Enclosure     IP     Ins. Class     S.F.     Duty     NEMA Nom. Eff.     NEMA Design     kVA Code     Ambie (°C)       TEFC     56     F     1.15     CONT     86.5     B     40 C       oad     HP     kW     Amperes     Efficiency (%)     Power Factor (%)       uil Load     1.50     1.1     2.3     86.9     69.4       4 Load     1.13     0.8     2.0     85.5     61.7       4 Load     0.75     0.6     1.6     82.6     53.2       4 Load     0.38     0.3     1.1     77.6     41.2       Io Load     0.38     0.3     1.1     77.6     41.2       Io Load     19.6     7.3     54.0     54.0       Torque     Rotor v       Full Load     Locked Rotor     Pull Up     Break Down     Inerti       (Ib-ft)     (% FLT)     (% FLT)     (% FLT)     0.13       Safe Stall Time(s)     Sound     Pressure     Bearings*     Approx. Motor Weigh	HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
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     Amperes     Efficiency (%)     Power Factor (%)       uill Load     1.50     1.1     2.3     86.9     69.4       4 Load     1.13     0.8     2.0     85.5     61.7       4 Load     0.75     0.6     1.6     82.6     53.2       4 Load     0.38     0.3     1.1     77.6     41.2       Io Load     1.5     7.3     54.0     54.0       Torque     Torque       Torque     Rotor       Full Load     Locked Rotor     Pull Up     Break Down     Inerti       (Ib-ft)     (% FLT)     (% FLT)     (% FLT)     Inerti       (Ib-ft)     Go Ked Rotor     330     245     375     0.13       Safe Stall Time(s)     Sound	1.50 1.1		4	1760	145TC	460	60	3	2.3
oad     HP     kW     Amperes     Efficiency (%)     Power Factor (%)       uil Load     1.50     1.1     2.3     86.9     69.4       4 Load     1.13     0.8     2.0     85.5     61.7       4 Load     0.75     0.6     1.6     82.6     53.2       4 Load     0.38     0.3     1.1     77.6     41.2       Io Load     0.38     0.3     1.1     77.6     41.2       Io Load     1.5     7.3     54.0     54.0       Socked Rotor     19.6     54.0     54.0       Torque     Rotor v       Full Load     Locked Rotor     Pull Up     Break Down     Inertiant       (Ib-ft)     (% FLT)     (% FLT)     (% FLT)     0.13       4.48     330     245     375     0.13       Safe Stall Time(s)     Sound     Pressure     Bearings*     Approx. Motor Weigh       Cold     Hot     B(A) @ 1M     DE     NDE     (lbs)	Enclosure	IP	Ins. Class	S.F.	Duty			kVA Code	Ambient (°C)
ull Load     1.50     1.1     2.3     86.9     69.4       4 Load     1.13     0.8     2.0     85.5     61.7       a Load     0.75     0.6     1.6     82.6     53.2       a Load     0.38     0.3     1.1     77.6     41.2       lo Load     0.38     0.3     1.1     77.6     41.2       lo Load     1.5     7.3     7.3     7.3     54.0       ocked Rotor     19.6     7.3     54.0     54.0     19.6     54.0       Torque     Rotor v       Full Load     Locked Rotor     Pull Up     Break Down     Inerti       (lb-ft)     (% FLT)     (% FLT)     (% FLT)     (lb-ft'       4.48     330     245     375     0.13       Safe Stall Time(s)     Sound     Bearings*     Approx. Motor Weigh       Cold     Hot     Sound     DE     NDE     (lbs)	TEFC	56	F	1.15	CONT	86.5	В		40 C
Image: Safe Stall Time(s)   Sound Pressure dB(A) @ 1M   Sound Pressure dB(A) @ 1M   Sound Pressure dB(A) @ 1M   Bearings*   Approx. Motor Weigh (lbs)	Load Load Load	0.75	0.6	1 1	.6 .1	82.6		61.7 53.2 41.2	
Torque Rotor v   Full Load Locked Rotor Pull Up Break Down Inertian   (lb-ft) (% FLT) (% FLT) (% FLT) (lb-ft2)   4.48 330 245 375 0.13   Safe Stall Time(s) Sound Bearings* Approx. Motor Weigh   Cold Hot dB(A) @ 1M DE NDE (lbs)	o Load			1	.5			7.	3
Full Load Locked Rotor Pull Up Break Down Inertian   (lb-ft) (% FLT) (% FLT) (% FLT) (lb-ft2)   4.48 330 245 375 0.13   Safe Stall Time(s) Sound Pressure Bearings* Approx. Motor Weight   Cold Hot Hot DE NDE (lbs)									
(lb-ft)     (% FLT)     (% FLT)     (% FLT)     (% FLT)     (lb-ft2)       4.48     330     245     375     0.13       Safe Stall Time(s)     Sound Pressure dB(A) @ 1M     Bearings*     Approx. Motor Weigh (lbs)	ocked Rotor			1	9.6				.0
4.48     330     245     375     0.13       Safe Stall Time(s)     Sound     Bearings*     Approx. Motor Weigh       Cold     Hot     Pressure     OE     NDE     (lbs)		oad		Torqu	le		Bro	54	Rotor wk
Safe Stall Time(s) Sound Bearings* Approx. Motor Weigh   Cold Hot DE NDE (lbs)	Full L			Torqu 1 Rotor	e   Pul	-		54 ak Down	Rotor wk
dB(A) @ 1M DE NDE (lbs)	Full L (Ib-	ft)	(% F	Torqu 1 Rotor FLT)	e Pul (% I	FLT)		54 ak Down 6 FLT)	Rotor wk
31 26 - 6305C3 6305C3 71	Full L (Ib- 4.4 Safe Stall	ft) 18 Time(s)	(% I 33	Torqu 1 Rotor FLT) 30	le Pul (% I 24 Bearing	FLT) 45 s*		54 ak Down 6 FLT) 375 Approx. Mo	Rotor wki Inertia (Ib-ft²) 0.13 tor Weight
	Full L (Ib- 4.4 Safe Stall	ft) 18 Time(s)	(% I 33	Torqu 1 Rotor FLT) 30	le Pul (% I 24 Bearing	FLT) 45 s*		54 ak Down 6 FLT) 375 Approx. Mo	Rotor wki Inertia (Ib-ft²) 0.13 tor Weight
	Full L (Ib- 4.4 Safe Stall Cold	ft) 18 Time(s) Hot	(% F 33 Sound Pressure dB(A) @ 1M	Torqu 1 Rotor FLT) 30 E	Ie Pul (% I 2 <sup>i</sup> Bearing	FLT) 45 s* NDE	(%	54 ak Down 6 FLT) 375 Approx. Mo (Ib	Rotor wk Inertia (Ib-ft²) 0.13 tor Weight
	Full L (Ib- 4.4 Safe Stall Cold	ft) 18 Time(s) Hot	(% F 33 Sound Pressure dB(A) @ 1M	Torqu 1 Rotor FLT) 30 E	Ie Pul (% I 2 <sup>i</sup> Bearing	FLT) 45 s* NDE	(%	54 ak Down 6 FLT) 375 Approx. Mo (Ib	Rotor v Inerti (Ib-ft 0.13 tor Weigh
*Bearings are the only recommended spare part(s).	Full L (Ib- 4.4 Safe Stall Cold 31	ft)	(% F 33 Sound Pressure dB(A) @ 1M	Torqu 1 Rotor FLT) 30 E	Ie Pul (% I 2 <sup>i</sup> Bearing	FLT) 45 s* NDE	(%	54 ak Down 6 FLT) 375 Approx. Mo (Ib	Rotor v Inertia (Ib-ft <sup>2</sup> 0.13 tor Weigh

Customer **Customer PO** Sales Order Project # Tag: All characteristics are average expected values. TOSHIBA INTERNATIONAL CORPORATION · HOUSTON, TEXAS U.S.A. Engineering bmammen Doc. Written By D. Suarez Doc.# / Rev MPCF-1119/0

Doc. Approved By

M. Campbell

Doc. Issued

6/8/2011



Project #

Tag:



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			



## Motor Connection Diagram 3 Leads - Wye Connection Single Voltage

3SY





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.

тозн	IBA			Issued Date: Issued By:	6/20/20 dschoe	-	Transmit #: Issued Rev:	
Leading Inn	ovation >>>		SPARE	E PARTS LIS	ST*			
Model:	Y154XDSB47	A-P						
Model: HP	Y154XDSB47	A-P Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	-		<b>FL RPM</b> 1760	Frame 145TC	Voltage 460	<b>Hz</b> 60	Phase 3	<b>FL Amps</b> 2.3
HP	kW	Pole			<u> </u>			

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

**Bearings NDE** 

6305C3 / 25BC03J3OX

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	All characteristics are average expected values.							
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Engineering	bmammen	Doc. Written By	D. Suarez	Doc.#/Rev	MPCF-1125 / 0			
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