

Severe Duty Motors

Model No: 365TSTFCD6526

Catalog No: E455A

Severe Duty Motor, 75 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 365TS Frame, TEFC

Product Information Packet: Model No: 365TSTFCD6526, Catalog No: E455A Severe Duty Motor, 75 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 365TS Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	75 Hp
Output KW	56.0 kW	Voltage	460 V
Speed	1780 r/min	Synchronous RPM	1800 r/min
Service Factor	1.15	Frame	365TS
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	95.5 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	85.0 A
Power Factor	87.5	Duty	Continuous
Insulation Class	H	Design Code	B
KVA Code	G	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6213	UL	Listed
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1
Hazardous Location	DIVISION 2 T2B		

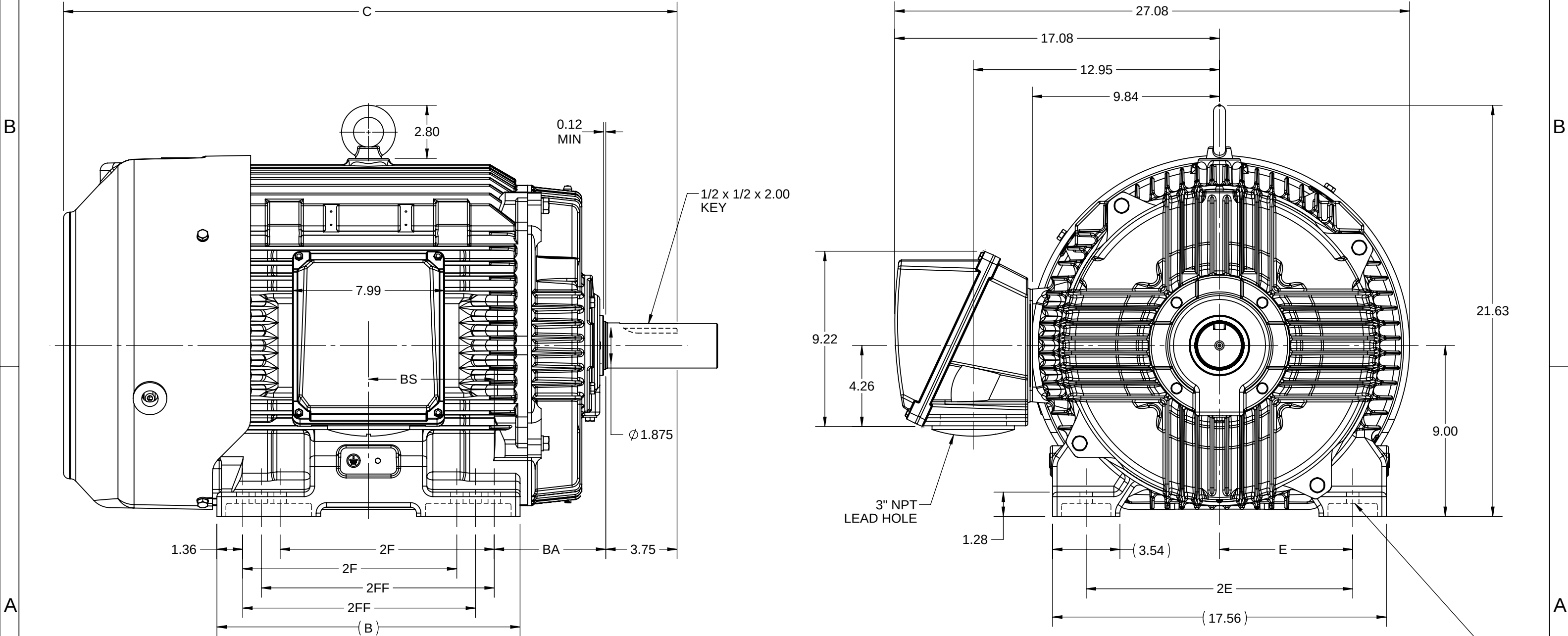
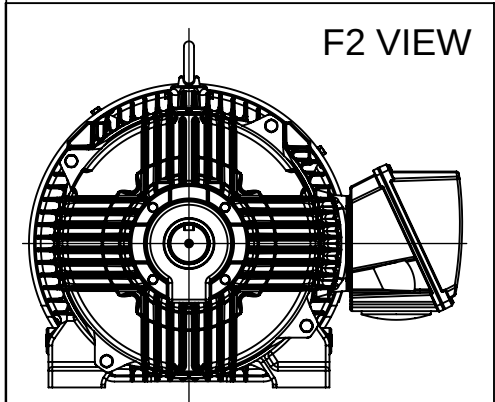
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.076 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Shaft Diameter	1.875 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 2:1/Variable 10:1

Drawings

Connection Drawing	EE7300U	Outline Drawing	SS557663-200
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4					3						
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME	
100	14.96	33.27	7.00	14.00	-	11.25	5.88	6.12	F1 OR F2	364TS	
200	15.94	32.27			11.25	12.25		6.62		364/365TS	

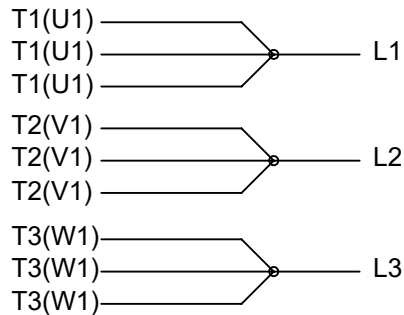


DRAWING REVISION D	REVISION BY SB	REV DATE/© DATE 05/21/2026
REQUEST NUMBER CR-0026353	APPROVED BY RMS	DATE 05/21/2026
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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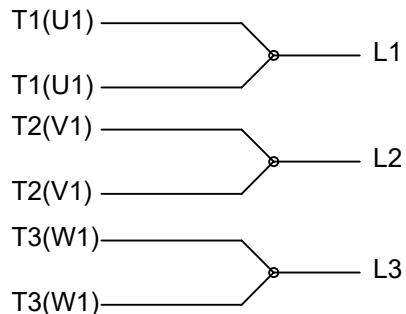
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY BISWA		<div>marathon™</div>	
DATE 12/24/2018			
APPROVED BY SBD		DESCRIPTION <div>OUTLINE</div> <div>364/365TS FR-NEMA-SD & IEEE841</div>	
DATE 12/24/2018			
REFERENCE		MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER SS557663	
		SHEET 1 OF 1	

IF MOTOR HAS 9 LEADS

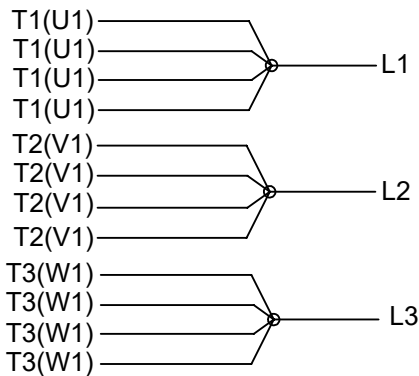
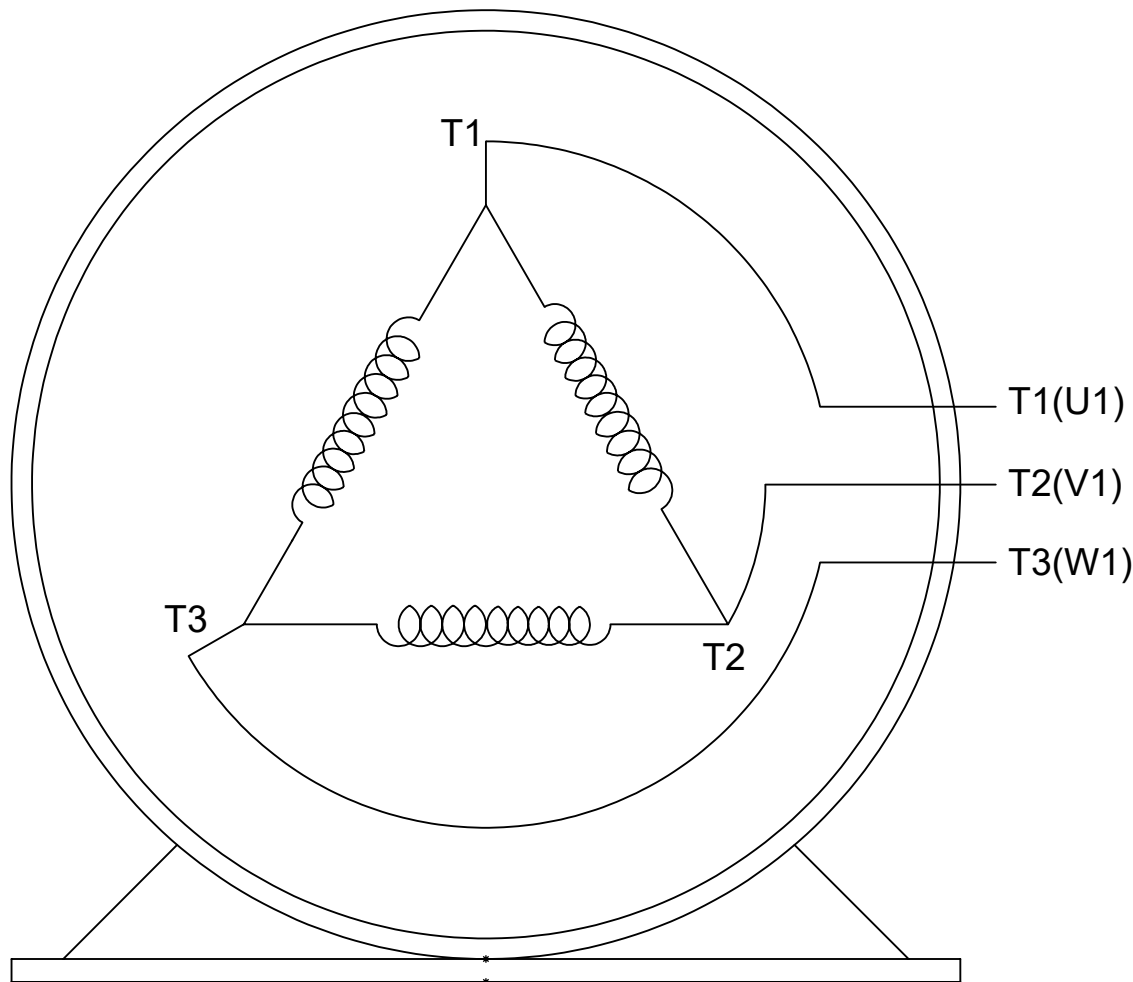


IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



VIEW OF TERMINAL END

DRAWING REVISION M	REVISION BY SB	REV DATE/© DATE 08/01/2025
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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DRAWN BY DRS	marathon™	
DATE 09-27-1996		
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL	
DATE 09-30-1996	3Ø SINGLE VOLTAGE	
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7300U
		SHEET 1 OF 1

Data Sheet

Date: 5/6/2020

365TSTFCD6526

Customer: _____

Attention: _____

Submitted by: _____



Submittal

Data @ 460 V

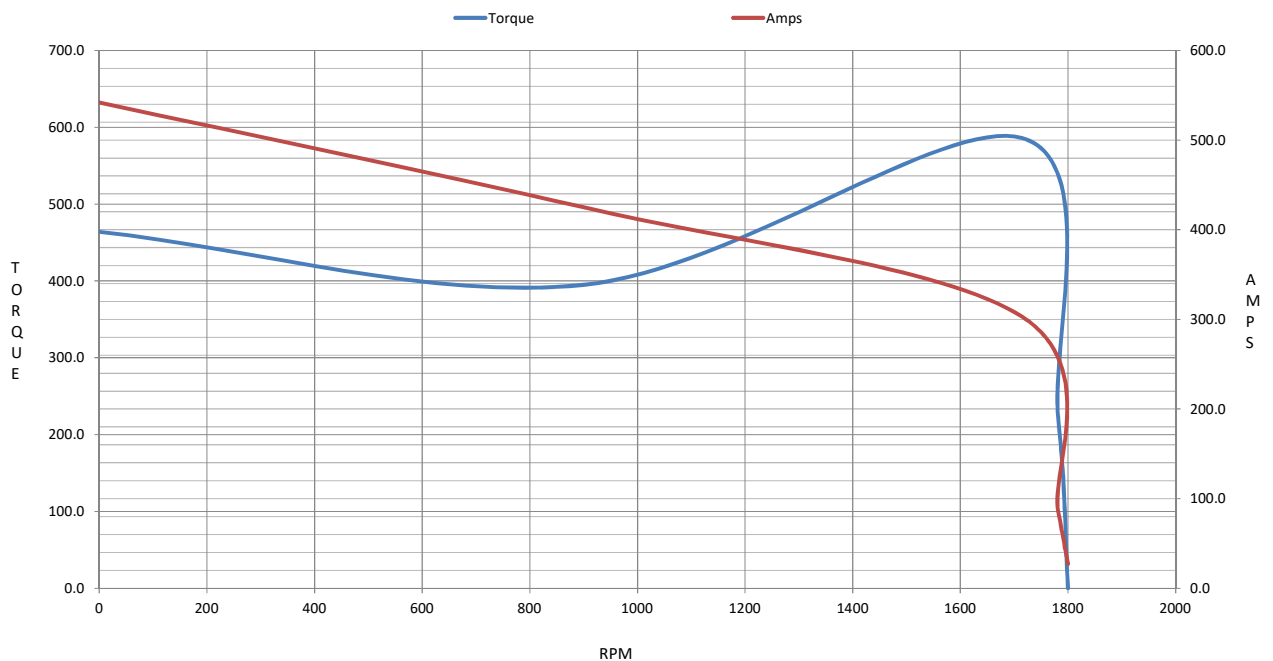
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	27.2	34.0	48.2	66.0	85.5	98.5	108	542	
Torque (ft-lb)	0.00	55.0	110	166	221	254	280	464	
RPM	1800	1795	1792	1788	1782	1,780	1775	0	
Efficiency (%)		93.0	95.0	95.4	95.4	95.0	94.5		
P.F. (%)	3.5	55.5	76.2	83.5	86.0	86.5	86.5	34.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle																																																																																																																																							
Speed (RPM)	0	900	1715	1782	1800																																																																																																																																							
Current (Amps)	542	425	303	85.5	27.2																																																																																																																																							
Torque (ft-lb)	464	395	586	221	0.00																																																																																																																																							
<div><div><div></div><div></div><div></div></div><div>Efficiency (%)P.F. (%)Current (Amps)</div><div>EFF P F</div><div>AMP S</div><div>LOAD</div></div> <table><tr><td colspan="2">HP</td><td colspan="3">75.0</td></tr><tr><td colspan="2">Sync. RPM</td><td colspan="3">1800</td></tr><tr><td colspan="2">Frame</td><td colspan="3">365</td></tr><tr><td colspan="2">Enclosure</td><td colspan="3">TEFC</td></tr><tr><td colspan="2">Construction</td><td colspan="3">TFC</td></tr><tr><td colspan="2">Voltage</td><td>460</td><td colspan="2">V</td></tr><tr><td colspan="2">Frequency</td><td>60</td><td colspan="2">Hz</td></tr><tr><td colspan="2">Design</td><td colspan="3">B</td></tr><tr><td colspan="2">LR Code letter</td><td colspan="3">G</td></tr><tr><td colspan="2">Service Factor</td><td colspan="3">1.15</td></tr><tr><td colspan="2">Temp Rise @ FL</td><td>65</td><td colspan="2">° C</td></tr><tr><td colspan="2">Duty</td><td colspan="3">CONT</td></tr><tr><td colspan="2">Ambient</td><td>40</td><td colspan="2">° C</td></tr><tr><td colspan="2">Elevation</td><td>3,300</td><td colspan="2">feet</td></tr><tr><td colspan="2">Rotor/Shaft wk²</td><td>20.5</td><td colspan="2">Lb-Ft²</td></tr><tr><td colspan="2">Ref Wdg</td><td>HE32254009</td><td colspan="2">NONE</td></tr><tr><td colspan="2">Sound Pressure @ 1M</td><td>72</td><td colspan="2">dBA</td></tr><tr><td colspan="2">VFD Rating</td><td colspan="3">CONSTANT 2:1</td></tr><tr><td colspan="2">Outline Dwg</td><td colspan="3">SS557663-365TS</td></tr><tr><td colspan="2">Conn. Diag</td><td colspan="3">EE7300U</td></tr><tr><td colspan="5">Additional Specifications:</td></tr><tr><td colspan="5">0</td></tr><tr><td colspan="5">0</td></tr><tr><td colspan="5">EQUIV CKT (OHMS / PHASE)</td></tr><tr><td>R1</td><td>R2</td><td>X1</td><td>X2</td><td>Xm</td></tr><tr><td>0.0450</td><td>0.0320</td><td>0.2720</td><td>0.4010</td><td>9.0720</td></tr></table>						HP		75.0			Sync. RPM		1800			Frame		365			Enclosure		TEFC			Construction		TFC			Voltage		460	V		Frequency		60	Hz		Design		B			LR Code letter		G			Service Factor		1.15			Temp Rise @ FL		65	° C		Duty		CONT			Ambient		40	° C		Elevation		3,300	feet		Rotor/Shaft wk²		20.5	Lb-Ft²		Ref Wdg		HE32254009	NONE		Sound Pressure @ 1M		72	dBA		VFD Rating		CONSTANT 2:1			Outline Dwg		SS557663-365TS			Conn. Diag		EE7300U			Additional Specifications:					0					0					EQUIV CKT (OHMS / PHASE)					R1	R2	X1	X2	Xm	0.0450	0.0320	0.2720	0.4010	9.0720	Information Block				
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Speed -Torque Curve





DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300U
 REFERENCE MODEL #: 365TSTFCD6526
 OUTLINE: SS557663-365TS
 CAT #: E455A
 WINDING: HE32254009 NONE 1
 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
75	56	1800	1782	365TS	TEFC	TFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	460	85.5	LINE OR INVERTER	CONT	H	1.15	40	3300

F.L. EFF	95.4	3/4 LD EFF	95.4	1/2 LD EFF	95.0	GTD EFF	95.0	ELECT. TYPE	SQ CAGE INV RATED
F.L. PF	86.0	3/4 LD PF	83.5	1/2 LD PF	76.2		95.0		

F.L. TORQUE	LR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
221 LB-FT	542	464 LB-FT 210%	586 LB-FT 265%	65

SOUND PRESSURE	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.
72 dBA	81 dBA	20.5 LB-FT²	500 LB-FT²	20 SEC.	2	1064 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	NO	NONE	BLUE (EPOXY)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE ODE							
BALL BALL	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON
6313 6213							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.045	0.032	0.272	0.401	9.072	0.080	ODE

* N O T E S *	If Inverter equals NONE, contact factory for further information	
	INVERTER TORQUE: CONSTANT 2:1	
	INV. HP SPEED RANGE: NONE	
	ENCODER: NONE	
	NONE PPR	

PREPARED BY: _____ DATE: 5/13/2020	BRAKE: NONE NONE FT-LB: NA VOLTAGE: NONE HZ:
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FORM: 3531 REV_4 2/27/06
 ** Subject to change without notice.