

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTFS14071

Catalog No: Y1627

Fire Pump Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 365T Frame,
TEFC



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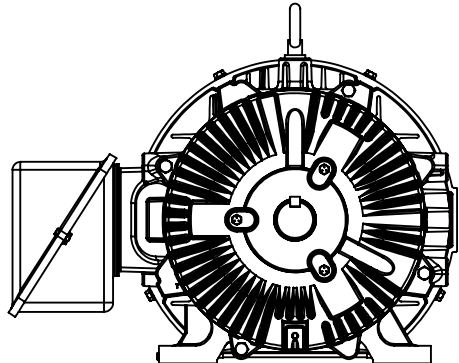
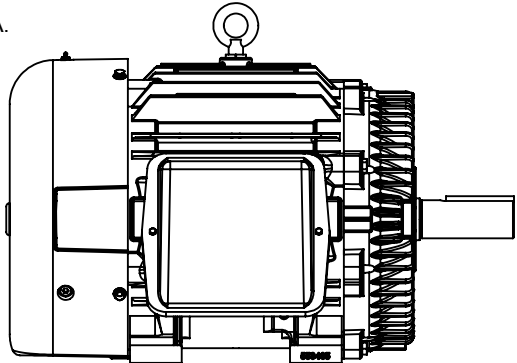
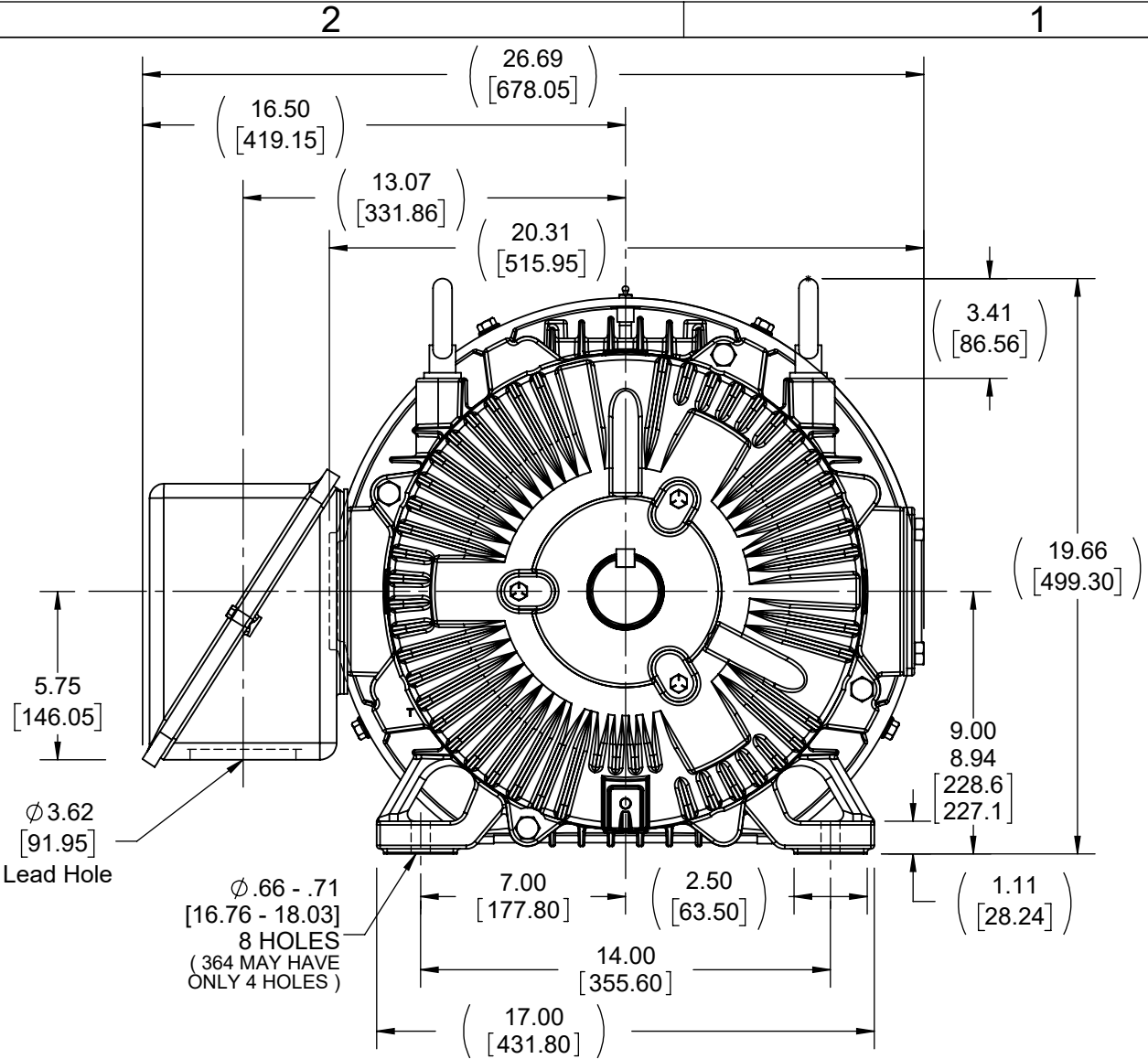
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	230/460 & 190/380 V
Speed	1778 & 1478 rpm	Service Factor	1.15 & 1.15
Frame	365T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	176/88 & 170/85 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6312
UL	No	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

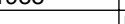
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.076 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	32.52 in
Frame Length	14.50 in	Shaft Diameter	2.375 in
Shaft Extension	6.13 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7308AA	Outline Drawing	B-SS504688-1450



NOTE:

1. ALTERNATE FRAME DRAWING.
2. MODELS USING ALTERNATE FRAME 553485A.

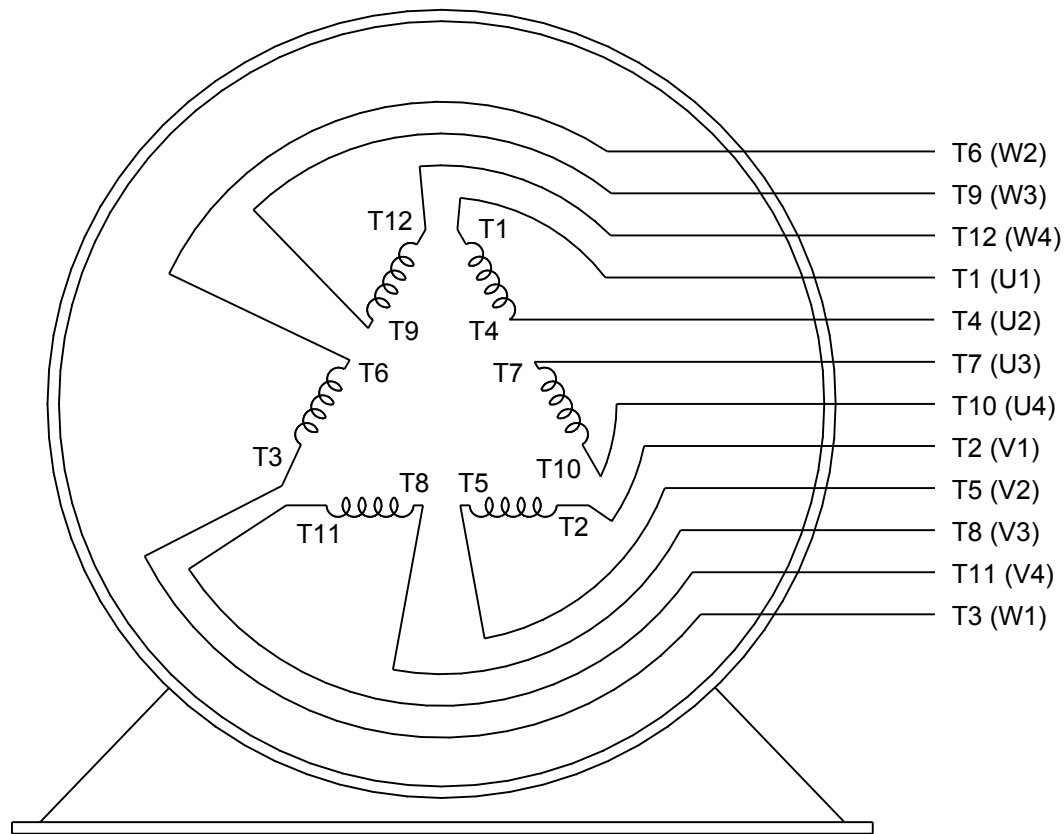
NOTES: 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS							DRAWING REVISION E		REVISION BY MJ		REV DATE/© DATE 05/04/2022		TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7° 30" .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]				DRAWN BY TLB		Regal Rexnord Regal Beloit America, Inc.							
							REQUEST NUMBER CR-0007552		APPROVED BY VJ		DATE 05/04/2022						DATE 04-29-1998									
							REQUEST NUMBER DESCRIPTION OUTLINE DRAWING IS UPDATED WITH NEW FRAME.														APPROVED BY ML		DESCRIPTION OUTLINE 360T FR. - TEFC - (STD.)			
							COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.										REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200 INCH mm 5.1				DATE 04-29-1988					
DASH	FRAME	B	C	2F	2FF	BS											THIRD ANGLE PROJECTION			SIZE B	DRAWING NUMBER SS504688		SHEET 1 OF 1			
1350	364T	13.25 [336.55]	31.52 [800.61]	11.25 [285.75]	- - - [142.75]	5.62 [142.75]																				
1450	364/365T	14.25 [361.95]	32.52 [826.01]	11.25 [285.75]	12.25 [311.15]	2.38 [60.45]																				
4					3					2					1											



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	THIRD ANGLE PROJECTION
DATE 01-12-1994	
APPROVED BY GK	
DATE 01-14-1994	
REFERENCE	

 Regal Beloit America, Inc.		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 365TTFS14071 AN
 CONN. DIAGRAM: A-EE7308AA
 OUTLINE: B-SS504688-1450

WINDING#: T3654198 NONE 2
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56&45	1800	1778&1478	365T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	176/88&170/8 5	PWS(LV ONLY) & YDRUN	CONTINUOU S	F1	1.15/1.15	40	3300

FULL LOAD EFF: 94.1&93.6	3/4 LOAD EFF: 94.1	1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85&85	3/4 LOAD PF: 82	1/2 LOAD PF: 75	93	SQ CAGE IND RUN	56 / 28

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
222 LB-FT	1070 / 535	430 LB-FT 192	510 LB-FT 230	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	18 LB-FT^2	500 LB-FT^2	25 SEC.	2	1040 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	RED (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6314	6312	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further
information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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DATE: 06/22/2017 03:26:49 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/19/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



365TTFS14071

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	28.0	35.0	50.0	68.0	88.0	101	110	535	
Torque (ft-lb)	0.00	55.0	110	166	222	256	278	430	
RPM	1800	1795	1790	1782	1778	1,772	1768	0	
Efficiency (%)		90.2	93.6	94.1	94.1	93.6	93.0		
P.F. (%)	6.0	56.0	75.0	82.0	85.0	85.5	85.5	34.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle																																					
Speed (RPM)	0	600	1700	1778	1800																																					
Current (Amps)	535	475	300	88.0	28.0																																					
Torque (ft-lb)	430	375	510	222	0.00																																					
Efficiency (%) P.F. (%) Current (Amps) <table><caption>Graph Data Points (Estimated)</caption><thead><tr><th>Load (%)</th><th>Efficiency (%)</th><th>P.F. (%)</th><th>Current (Amps)</th></tr></thead><tbody><tr><td>0</td><td>-</td><td>-</td><td>28.0</td></tr><tr><td>25</td><td>90.0</td><td>55.0</td><td>35.0</td></tr><tr><td>50</td><td>93.0</td><td>75.0</td><td>55.0</td></tr><tr><td>60</td><td>94.0</td><td>85.0</td><td>65.0</td></tr><tr><td>80</td><td>94.0</td><td>84.0</td><td>85.0</td></tr><tr><td>100</td><td>94.0</td><td>86.0</td><td>105.0</td></tr><tr><td>125</td><td>93.0</td><td>86.0</td><td>125.0</td></tr></tbody></table>						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)	0	-	-	28.0	25	90.0	55.0	35.0	50	93.0	75.0	55.0	60	94.0	85.0	65.0	80	94.0	84.0	85.0	100	94.0	86.0	105.0	125	93.0	86.0	125.0					
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						100	94.0	86.0	105.0																																	
						125	93.0	86.0	125.0																																	
						Information Block																																				
						HP		75.0																																		
						Sync. RPM		1800																																		
						Frame		365																																		
						Enclosure		TEFC																																		
						Construction		TFS																																		
						Voltage		30/460#190/381V																																		
						Frequency		60 Hz																																		
						Design		B																																		
						LR Code letter		G																																		
						Service Factor		1.15																																		
						Temp Rise @ FL		75 °C																																		
						Duty		CONT																																		
						Ambient		40 °C																																		
Elevation		1,000 feet																																								
Rotor/Shaft wk ²		18.0 Lb-Ft ²																																								
Ref Wdg		T3654198 NONE																																								
Sound Pressure @ 1M		75 dBA																																								
VFD Rating		NONE																																								
Outline Dwg		B-SS504688-1450																																								
Conn. Diag		A-EE7308AA																																								
Additional Specifications:																																										
0																																										
0																																										
EQUIV CKT (OHMS / PHASE)																																										
R1	R2	X1	X2	Xm																																						
0.0570	0.0420	0.3210	0.4420	9.3180																																						

Speed -Torque Curve

