

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 365TSTFS14009
Catalog No: Y1625
75,3600,TEFC,365TS,3/60/230/460
Fire Pump



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REGAL[®]

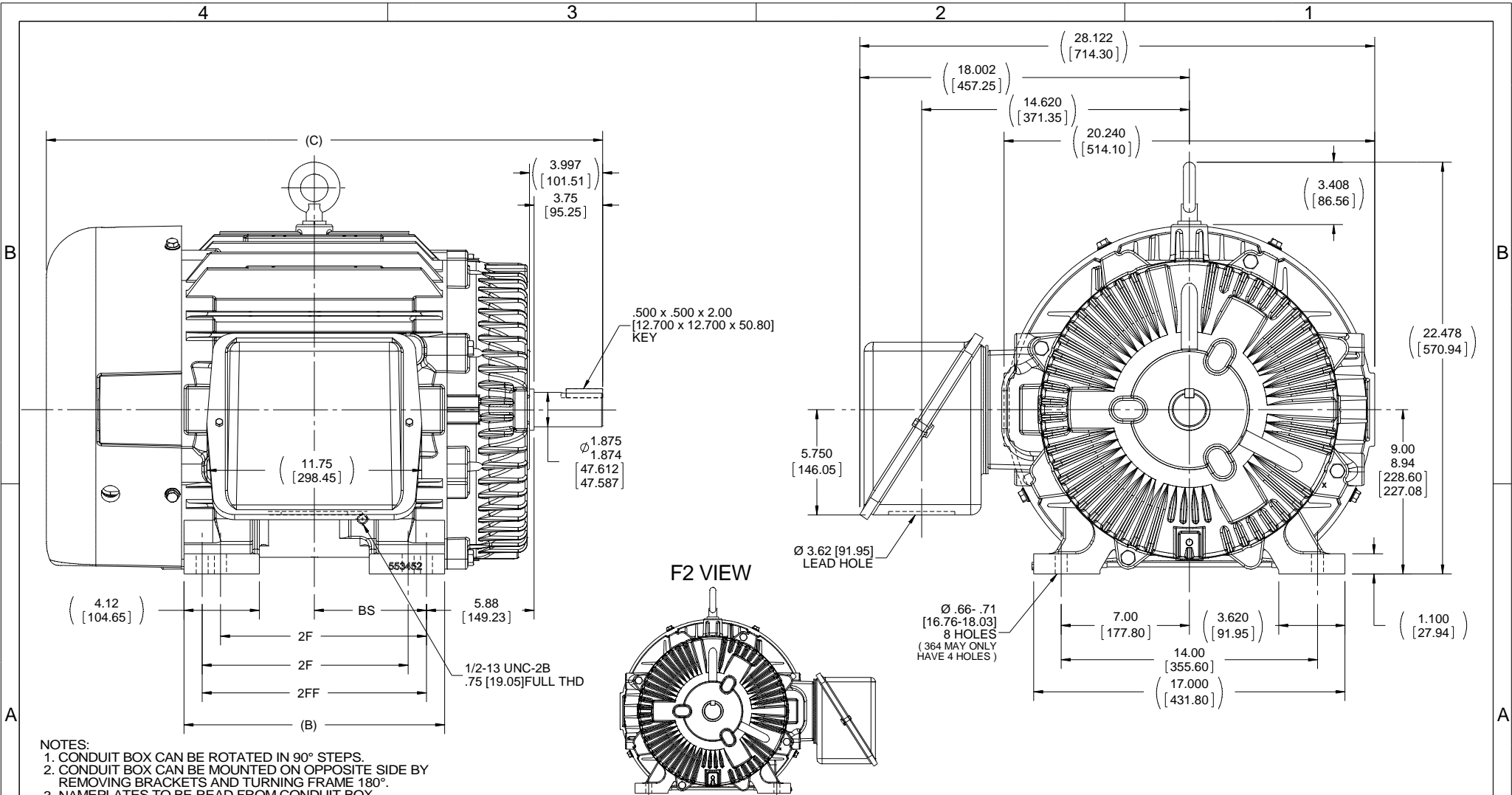


Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	172.0/86.0 A	Speed	3558 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	365TS
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6312	UL	No
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	30.38 in	Frame Length	14.50 in
Shaft Diameter	1.875 in	Shaft Extension	3.99 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS504620-1450	Connection Diagram	A-EE7308AA



- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
 4. DIMENSION IN [] DESIGNATE MILLIMETERS.

DASH	FRAME	B	C	2F	2FF	BS
1350	364TS	13.25 [336.55]	29.38 [746.25]	11.25 [285.75]	---	5.62 [142.75]
1450	364/365TS	14.25 [361.95]	30.38 [771.65]	11.25 [285.75]	12.25 [311.15]	6.12 [155.45]

DRAWING REVISION C
 ECO ECO-0074104
 ECO DESCRIPTION
 UPDATED TO CURRENT STANDARDS
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REVISION BY JJB
 APPROVED BY TDB
 DATE 03-24-2015
 DATE 03-25-2015
 TOLERANCES UNLESS OTHERWISE SPECIFIED:
 DEC INCH mm ANGLE
 .X ±0.1 [+2.5] ±0.5°
 .XX ±0.01 [+0.25]
 .XXX ±0.005 [+0.127]
 .XXXX ±0.0005 [+0.0127]
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
 CORNER FILLETS: R.02 [.51]
 MACHINED SURFACES: 125 INCH/mm 3.2
 mm SHOWN IN [BRACKETS]

DRAWN BY TLB
 DATE 04-29-1988
 APPROVED BY ML
 DATE 04-29-1988
 REFERENCE

REGAL™ Regal Beloit America, Inc.
 DESCRIPTION
OUTLINE
 360TS FR.- TEFC- (STD.)
 MATERIAL PROCESS/FINISH
 SIZE B DRAWING NUMBER SS504620 SHEET 1 OF 1



LOW VOLTAGE

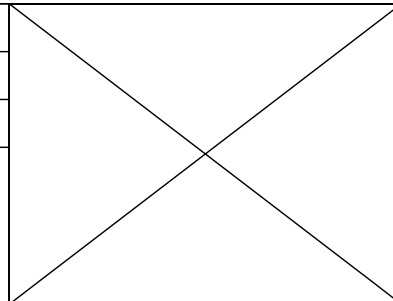


HIGH VOLTAGE



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	Regal Beloit America, Inc.	
DATE 01-12-1994		
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS	
DATE 01-14-1994		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7308AA
		SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 365TSTFS14009 AN **WINDING#:** T365273 NONE 2
CONN. DIAGRAM: A-EE7308AA **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: B-SS504620-1450

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56&45	3600	3558&2960	365TS	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	172/86&166/8 3	PWS(LV ONLY) & YDRUN	CONTINUOUS	F1	1.15/1.15	40	3300

FULL LOAD EFF: 93&93	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87.5&88	3/4 LOAD PF: 86	1/2 LOAD PF: 80	91.7	SQ CAGE IND RUN	48 / 24

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
111 LB-FT	1070 / 535	200 LB-FT 180	270 LB-FT 242	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	8.2 LB-FT^2	55 LB-FT^2	15 SEC.	2	925 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP 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	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6312						

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

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

DATE: 06/22/2017 12:15:25 AM
FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

3651S1TS14009



Submital
Data @ 460 V

Date: 6/29/2017

Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

Motor Load Data

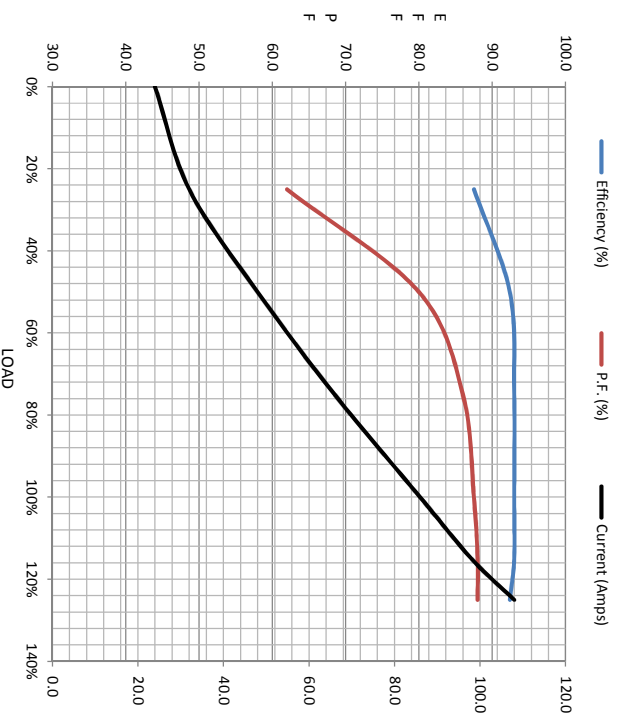
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	24.0	32.0	48.0	66.0	86.0	98.0	108	535
Torque (ft-lb)	0.00	28.0	55.0	83.0	111	128	139	200
RPM	3600	3590	3580	3570	3558	3550	3545	0
Efficiency (%)		87.5	92.4	93.0	93.0	93.0	92.4	
P.F. (%)	9.0	62.0	80.0	86.0	87.5	88.0	88.0	32.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	1800	3375	3558	3600
Current (Amps)	535	475	310	86.0	24.0
Torque (ft-lb)	200	175	270	111	0.00

Information Block

HP	75.0			
Sync. RPM	3600			
Frame	365			
Enclosure	TEFC			
Construction	TFS			
Voltage	30/460#190/38 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wkt	8.2 Lb-Fe			
Ret Wdg	T365273 NONE			
Sound Pressure @ 1M	78 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS04620-1450			
Conn. Diag	A-EET308AA			
Additional Specifications:				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0530	0.0380	0.3060	0.3550	10.9620



Speed -Torque Curve

