

# PRODUCT INFORMATION PACKET

Model No: 364TTDS4328

Catalog No: U520

Fire Pump Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 364T Frame, DP



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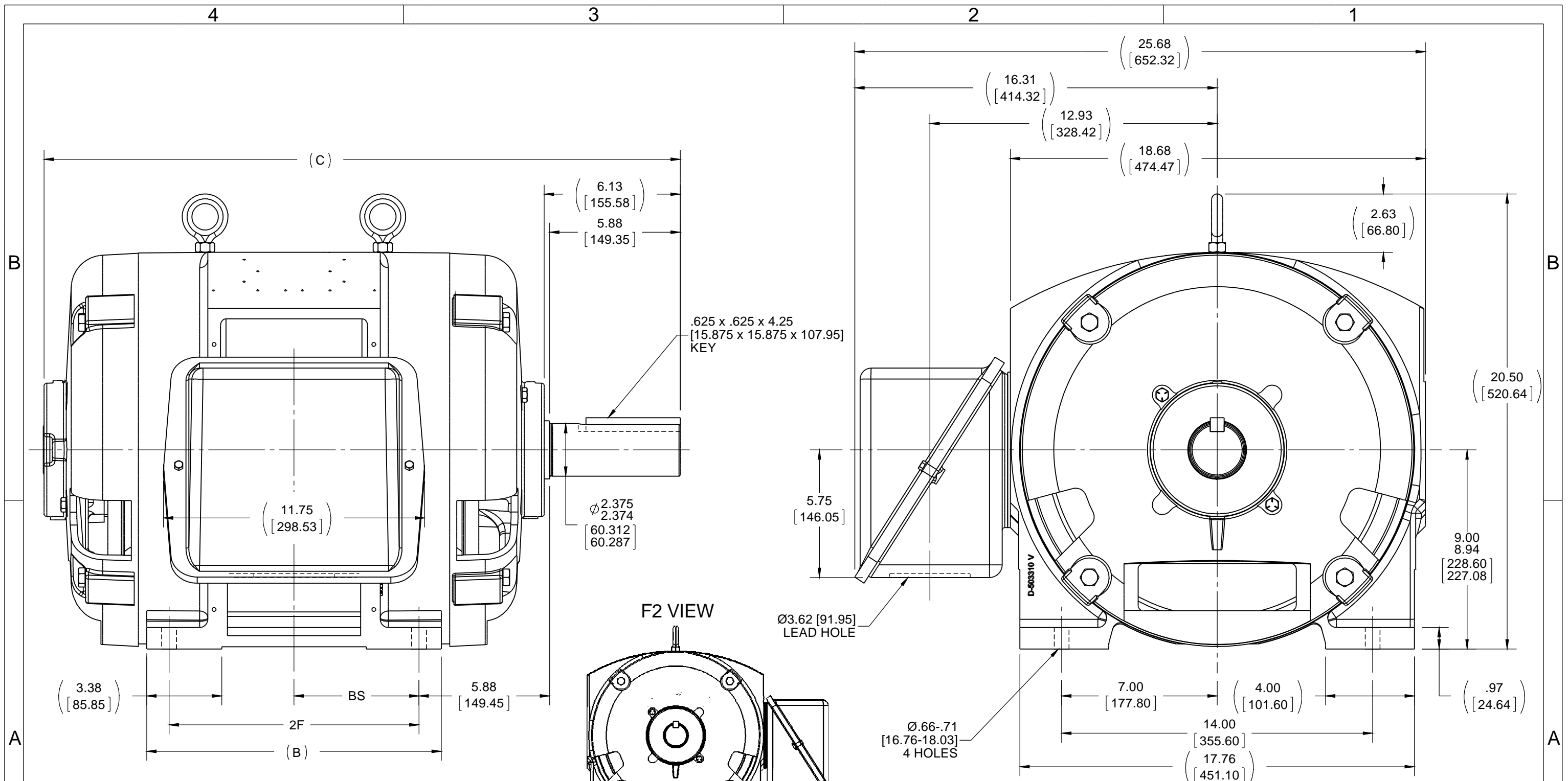


**Nameplate Specifications**

Phase	<b>3</b>	Output HP	<b>60 &amp; 50 Hp</b>
Output KW	<b>45.0 &amp; 37.0 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>1780 &amp; 1478 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>364T</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>93.6 &amp; 93 %</b>
Ambient Temperature	<b>50 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>144/72 &amp; 146/73 A</b>	Power Factor	<b>83.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>B</b>	KVA Code	<b>F</b>
Drive End Bearing Size	<b>6314</b>	Opp Drive End Bearing Size	<b>6312</b>
UL	<b>No</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>12</b>
Number of Speeds	<b>1</b>		

**Technical Specifications**

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Part Wdg Start Low Volt Only &amp; Wye Start Delta Run</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.115 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>T</b>	Overall Length	<b>28.64 in</b>
Frame Length	<b>14.00 in</b>	Shaft Diameter	<b>2.375 in</b>
Shaft Extension	<b>6.13 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Outline Drawing	<b>B-SS509461-1400</b>	Connection Drawing	<b>A-EE7308AA</b>



- 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	BS
1400	364T	13.25 [336.55]	28.64 [727.46]	11.25 [285.75]	5.62 [142.75]
1500	365T	14.25 [361.95]	29.64 [752.86]	12.25 [311.15]	6.12 [155.45]

DRAWING REVISION J REVISION BY JJB DATE 11-19-2014  
 ECO ECO-0064257 APPROVED BY DJK DATE 11-19-2014  
 ECO DESCRIPTION  
 UPDATED TO CURRENT STANDARDS  
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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 [0.076/.381]  
 CORNER FILLETS: .02 [0.51]  
 MACHINED SURFACES: 125 INCH 3.2 mm  
 mm SHOWN IN [BRACKETS]

DRAWN BY TLB  
 DATE 01-22-1988  
 APPROVED BY GK  
 DATE 01-26-1988  
 REFERENCE  
 THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.  
 DESCRIPTION  
**OUTLINE**  
 360T FR. - DR. PR.  
 MATERIAL PROCESS/FINISH  
 SIZE B DRAWING NUMBER **SS509461** SHEET 1 OF 1



### LOW VOLTAGE



### HIGH VOLTAGE



### VIEW OF TERMINAL END

DRAWING REVISION <b>K</b>	REVISION BY <b>AJW</b>	DATE <b>07-17-2015</b>
ECO <b>ECO-0081632</b>	APPROVED BY <b>T. VUE</b>	DATE <b>07-17-2015</b>
ECO DESCRIPTION <b>REV'D IEC MARKINGS PER IEC 60034-8</b>		
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DRAWN BY <b>LZ</b>	<b>Regal Beloit America, Inc.</b>		
DATE <b>01-12-1994</b>			
APPROVED BY <b>GK</b>	<b>DESCRIPTION</b> <b>CONN DIAGRAM-EXTERNAL</b> <b>3Ø-2/1 DELTA-12 LEADS</b>		
DATE <b>01-14-1994</b>			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE <b>A</b>	DRAWING NUMBER <b>EE7308AA</b>	SHEET <b>1 OF 1</b>

**CERTIFICATION DATA SHEET**

**Model#:** 364TTDS4328 BP      **WINDING#:** T3644140 NONE 1  
**CONN. DIAGRAM:** A-EE7308AA      **ASSEMBLY:** F1/F2 CAPABLE  
**OUTLINE:** B-SS509461-1400

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&50	45&37	1800	1780&1478	364T	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	144/72&146/7 3	PWS(LV ONLY) & YDRUN	CONTINUOUS	B1	1.15/1.15	50	3300

FULL LOAD EFF: 93.6&93	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83.5&84	3/4 LOAD PF: 80	1/2 LOAD PF: 72	92.4	SQ CAGE IND RUN	51 / 25.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
177 LB-FT	830 / 415	300 LB-FT 169	400 LB-FT 226	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	12.2 LB-FT^2	300 LB-FT^2	20 SEC.	2	675 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	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6314	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

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

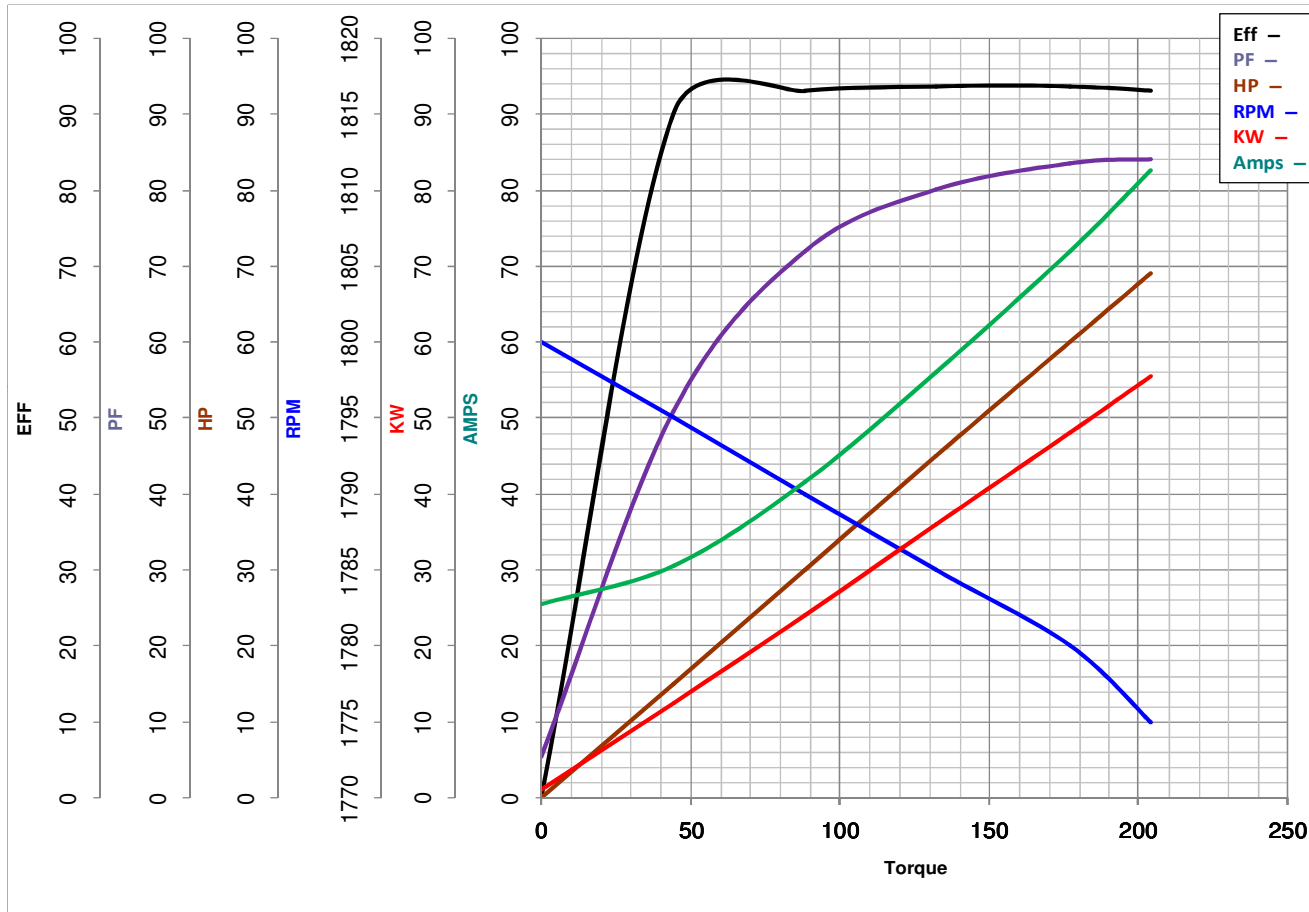
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DATE: 06/21/2017 08:11:15 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.



**MARATHON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer \_\_\_\_\_ Curve at 460 Volts HP 60&50 PHASE 3  
 Model No 364TTDS4328 60 HZ  
60 HP VOLTS 230/460&190/380  
 Catalog No U520 HZ 60&50 RPM 1780&1478



Torque in Lb.Ft

FL TORQUE 177 Lb.Ft  
 BD TORQUE 400.0 Lb.Ft  
 LR TORQUE 300 Lb.Ft

FL AMPS 144/72  
 PU TORQUE 275.0 Lb.Ft  
 LR AMPS 415

WINDING T3644140-

Date 3/7/2019