



**ELECTRIC FIRE PUMP TEST**  
 MAG-TECH PUMP & CONTROLLER SERVICES, LLC.  
 18508 AMBER DR.  
 LUTZ, FL. 33549  
 PHONE #: 813-949-9735  
 FAX #: 813-949-9795  
[WWW.MAG-TECHINC.COM](http://WWW.MAG-TECHINC.COM)

BILL TO:	John Bolinger Co	SITE NAME	Rock Lake BuildingB
STREET ADDRESS:	2875 S. Orange Ave Ste 500-1510	BLDG. ADDRESS:	33rd St
CITY, STATE & ZIP:	Orlando, FL 32806	CITY, STATE & ZIP:	Pompano Beach, FL
POINT OF CONTACT:	John Bolinger	POINT OF CONTACT:	
CONTACT PHONE #	407-496-8723	CONTACT PHONE #	
SPRINKLER COMP.	WigintonFire	POINT OF CONTACT:	
OFFICE PHONE #		CONTACT PHONE #	

<b>A. PUMP DATA</b>														
MAKE:	Patterson	IMPELLER DIAMETER ("):	15.063											
MODEL/TYPE:	8X6 MI	MAX NET: (PSI):	107											
SERIAL NUMBER:	Fp-C180163-01	RATED NET (psi):	95											
RATED CAPACITY (gpm):	1500	150% NET (psi):	74											
RATED SPEED (rpm):	1780	TYPE:		I.B.		O.B.								
ELECTRIC MOTOR MAKE:	WEG	VOLTAGE:	230-460	HP:	100									
MODEL:	100180P3EFP404TS-W40	FLA:	232	PHASE:	3									
S/N:	14282263	RPM:	1775	SF:	1.15									
CONTROLLER MAKE:	Firetrol	VOLTAGE:	440-480	TRANSFER MAKE:										
CONTROLLER MODEL:	FTA1000-AM100B	FLA:	60	TRANSFER MODEL:										
CONTROLLER SER. #:	1914315-01RE	HP:	100	TRANSFER SER. #:										
MANUFACTURE DATE:		MIN RUN:		START TYPE:										
JOCKEY PUMP MAKE:	AMT	S/N:	P0818MSV31100005	VOLTAGE:	208-230/460									
JOCKEY PUMP MODEL:	MSV3-11	GPM:	16	HP:	2									
J.P. CONTROLLER MAKE:	Firetrol	J.P. CONTROLLER SER. #:	1915437-01											
J.P. CONTROLLER MOD.:	FTA550F-AG002B	VOLTAGE:	440-480	HP:	2									
SUCTION SUPPLY FROM:	SUPPLY PRESSURE (PSI):													

B. PUMP TEST													
%	LOCATION	TIME	RATED (gpm)	DIS. PSI	SUC. PSI	NET. PSI	#	SIZE	PITOT (psi)	ACTUAL (gpm)	RPM	AMPS	VOLTS
0	Pump Room		0	178	69	109				0		65 61 62	492 489 487
100	Test Header		1500	143	48	95	2	2 1/2"	20	1508		118 110 116	491 487 485
150	Test Header		2250	99	23	76	2	2 1/2"	12	2256		132 124 129	491 488 485
							2	1 3/4"	26				
150E						0							

**STARTS:** MANUAL: (X)(X)(X)(X)(X)(X) AUTOMATIC: (X)(X)(X)(X)(X)(X)

<b>SET POINTS:</b>	JOCKEY	ON	175	OFF	165	FIRE PUMP	ON	150	OFF	165
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**REMARKS:**

<b>COMPLETED BY:</b> Greg Maples	<b>WITNESS:</b>	<b>DATE:</b> 12/18/2019
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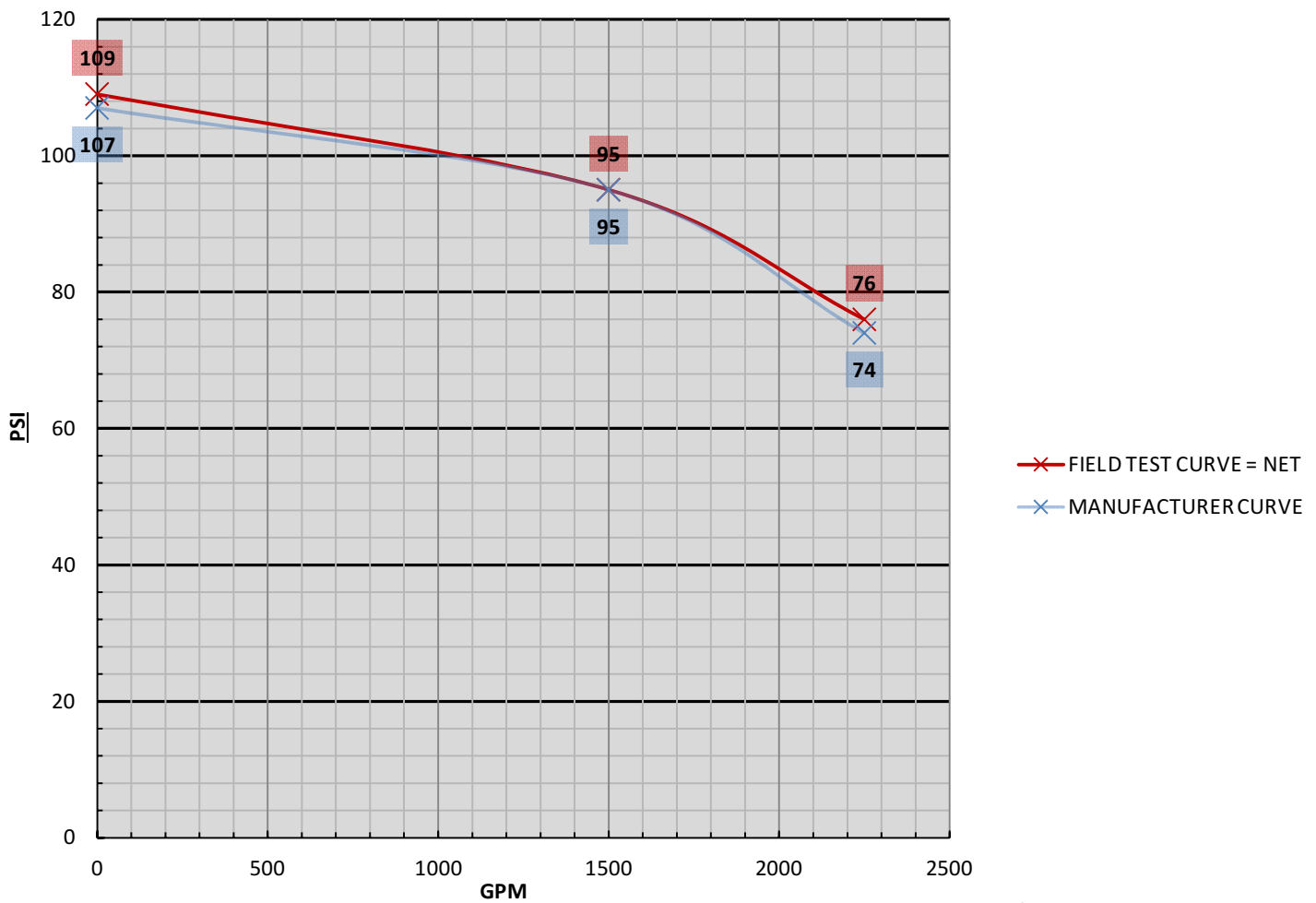
**DRC**

PZ20-12000019  
10/21/2020

**DRC**

PZ20-12000019  
8/19/2020

# FIRE PUMP FIELD PERFORMANCE & ACCEPTANCE TEST CURVE



MANUFACTURER - **Patterson**  
 MODEL - **8X6 MI**  
 SERIAL # - **Fp-C180163-01**

NO FLOW, MAX PRESSURE - **107**  
 100%, RATED PRESSURE - **95**  
 150%, PEAK LOAD PRESSURE - **74**

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8/19/2020

# Patterson Pump Company

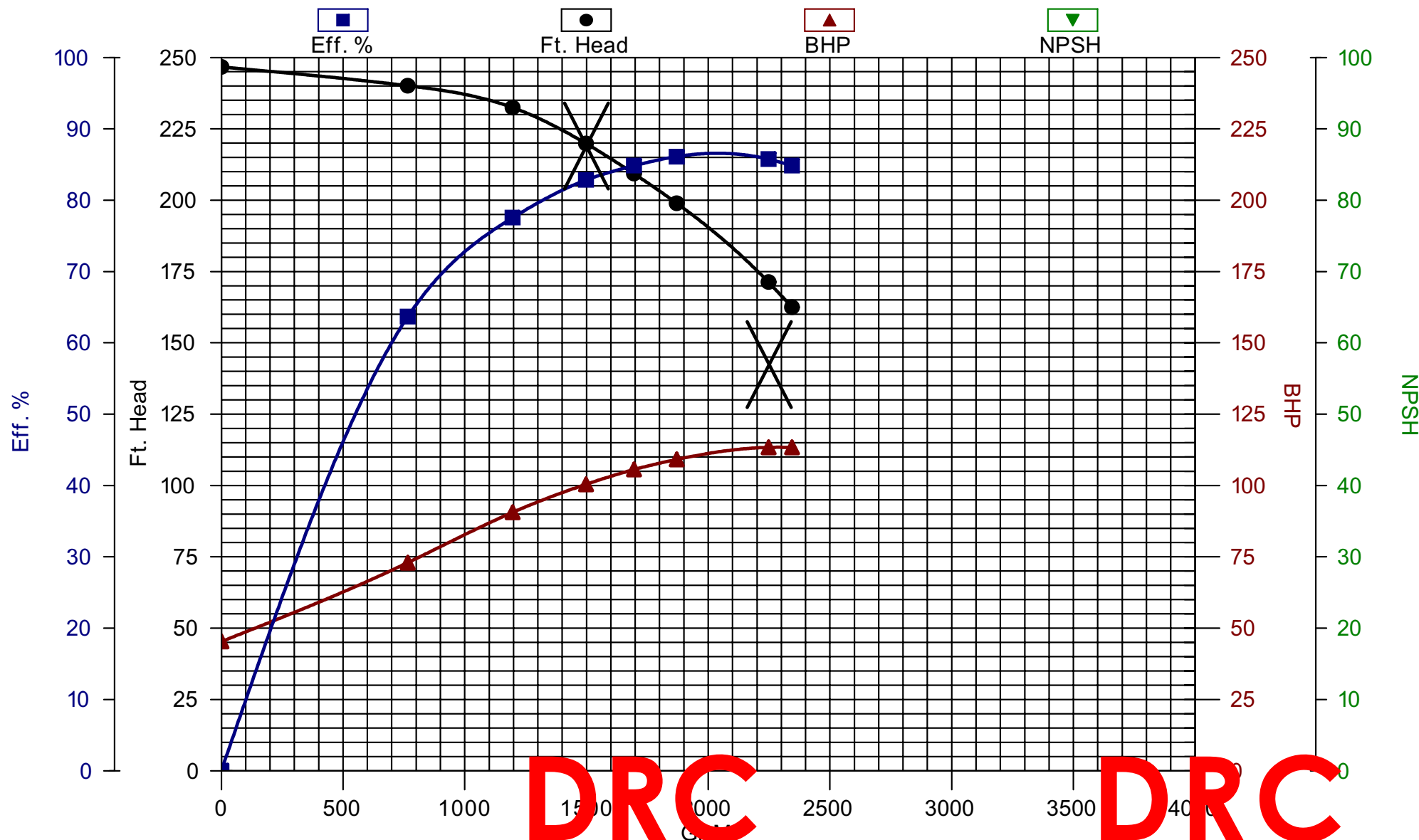
Serial No: FP-C0180163-01  
 Pump Type: 8X6MI  
 Imp Pattern: D02-68959  
 Imp Dia: 15.063  
 Vane Tips: .750  
 No. Stages: 1  
 Certified By: JH

Sold To: WIGINTON FIRE  
 Test Driver: WESTINGHOUSE  
 HP: 150  
 Eff%: 0.924  
 Test RPM: 1780  
 Test Type: Performance Test  
 Approved By: J.L. HMEGILL



Job: 364048  
 GPM: 1500  
 Ft. Head: 219  
 Rated RPM: 1780  
 Test Num: 1  
 Date: Jun-11-2019

Witnessed By: J.L. HMEGILL



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# PATTERSON PUMP COMPANY

## ORDER INFORMATION

Customer: WIGINTON FIRE  
Serial No: FP-C0180163-01  
Job: 364048

## PUMP DATA

Pump Size & Type: 8X6MI  
Impeller Pattern: D02-68959  
Impeller Diameter: 15.063  
Vane Tips: .750  
Stages: 1

## RATING (Design)

GPM: 1500  
FT HD: 219  
RPM (N2): 1780

## TEST INFORMATION

Positive Pressure Test  
Venturi Meter: 8"  
Venturi Constant: 192.78  
Discharge Dia: 6.00  
Suction Dia: 8.00  
Discharge Gauge Elev. (Zd): 0.00  
Suction Gauge Elev. (Zs): 0.00  
Pressure Ga: 300PSI  
Panel No.: 1  
Water Temp

## TEST DRIVER INFORMATION

HP: 150  
RPM: 1780  
Manufacturer: WESTINGHOUSE  
Serial No.: 474B859G09  
Volts: 460  
Amps: 177  
S.F.: 1.15  
Eff. (.00): 0.924

## SECONDARY RATINGS

GPM: 2,250.00, 0.00  
FT HD: 142.35, 0.00

Data Collected by: JH  
Test Date: Jun-11-2019  
Test No.: 1

Test Data					
No	Pd (PSI)	Ps (PSI)	kW	N1	h (" H2O)
1	124.00	15.40	37.50	1,795.00	0.00
2	120.00	15.00	60.10	1,792.00	16.00
3	115.00	14.10	74.40	1,790.00	39.00
4	108.00	13.20	82.30	1,789.00	61.00
5	102.50	12.80	86.40	1,788.00	78.00
6	97.00	12.20	89.30	1,788.00	95.00
7	82.50	10.80	92.60	1,787.00	137.00
8	78.00	10.40	92.60	1,787.00	149.00

Calculated Data					
Q1 (GPM)	H1 (FT)	whp	ehp	bhp1	npump
0.00	250.87	0.00	50.27	46.45	0.00
771.12	243.37	47.39	80.56	74.44	63.66
1,203.91	235.07	71.46	99.73	92.15	77.55
1,505.66	222.10	84.44	110.32	101.94	82.84
1,702.59	211.18	90.80	115.82	107.02	84.84
1,878.99	200.73	95.24	119.71	110.61	86.11
2,256.43	172.61	98.35	124.13	114.69	85.75
2,353.18	163.75	97.30	124.13	114.69	84.84

Calculated Data at Rated Speed		
Q2 (GPM)	H2 (FT)	bhp2
0.00	246.69	45.29
765.96	240.12	72.95
1,197.18	232.45	90.62
1,498.09	219.87	100.41
1,694.97	209.29	105.59
1,870.58	198.94	109.13
2,247.59	171.26	113.35
2,343.96	162.47	113.35

Comments:  
UL/FM RATING 100HP.

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## HYDROSTATIC PRESSURE TEST REPORT

Pump Serial No. <i>FR C000180163-01</i>		Pump Job No. <i>364048</i>	
Pump Model <i>8X6 m F</i>			
Test Liquid <i>Water, Ambient Temperature</i>			
Test Location (check one): <input checked="" type="checkbox"/> Small Test Stand <input type="checkbox"/> Large Test Stand <input type="checkbox"/> HVAC Test Stand <input type="checkbox"/> Flo-Pac Test Stand		Test Pressure (PSI) <i>390</i>	
		Test Duration (Minutes) <i>10 min</i>	
		Gauge Serial No. <i>4271727</i>	
Test Results <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail			
Comments <i>OK</i>			

TESTED BY

*Trent Harris*  
Signature

*6-11-19*  
Date

WITNESS (if applicable)

Signature

Printed Name

Company

Date

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## CO Item / Serial

CO / Line / Rel: C000180163 1 0

Source: J 364048 0

Item: FP-C000180163-1

Description: 8x6 MI HORIZONTAL SPLIT CASE; DESIGN: 15

Serial #: FP-C180163-01

Sequence: 1

Product Line: FP

End User: FPSC

UL / FM: UL-FM

Name Plate Type: SC UL/FM

## Controller / Drive

Controller Mfg:

Controller Serial #:

Drive Mfg:

Drive Serial #:

## Details

Size Type: 8x6 MI

Num Stages: 1

BHP Rated: 100.000

BHP Max: 113.400

Max Suct: 153

GPM: 1,500

RPM: 1,780

PSIG: 95

Max PSIG: 107

Cap PSIG: 74

Impeller Diameter: 15.063

Min Sub In:

Suct PSI:

☐ Name Plate Printed

Print Name Plate

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