



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

BILL TO:	John Bolinger Co	SITE NAME	Rock Lake BuildingD
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 #	

A. PUMP DATA										
MAKE:	Patterson	IMPELLER DIAMETER ("):						15.063		
MODEL/TYPE:	8X6 MI	MAX NET: (PSI):						106		
SERIAL NUMBER:	Fp-C180159-01	RATED NET (psi):						95		
RATED CAPACITY (gpm):	1500	150% NET (psi):						74		
RATED SPEED (rpm):	1780	TYPE:					I.B.		O.B.	
ELECTRICMOTOR MAKE:	WEG	VOLTAGE:		230/460		HP:		100		
MODEL:	100180P3EFP101TS	FLA:		232		PHASE:		3		
S/N:	1048139710	RPM:		1775		SF:		1.15		
CONTROLLER MAKE:	Firetrol	VOLTAGE:		440-480		TRANSFERMAKE:				
CONTROLLER MODEL:	FTA100-AM100B	FLA:		60		TRANSFERMODEL:				
CONTROLLER SER. #:	1914316-01RE	HP:		100		TRANSFERSER. #:				
MANUFACTURE DATE:		MIN RUN:		START TYPE:						
JOCKEY PUMP MAKE:	AMT	S/N: P10810MSV31100002				VOLTAGE:				208-230/460
JOCKEY PUMP MODEL:	MSV-311	GPM:				16		HP:		2
J.P. CONTROLLER MAKE:	Firetrol	J.P. CONTROLLER SER. #:				1915437-08				
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	170	64	106				0	1793	66 63 64	498 494 491
100	Test header		1500	141	46	95	3	2"	9.5	1500	1784	120 113 115	496 492 489
150	Test header		2250	98	24	74	1	2 1/2"	11	2248	1780	133 125 128	495 492 488
							2	2"	12				
150E						0	1	2"	11				

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

SET POINTS:	JOCKEY PUMP	ON	165	OFF	175	FIRE PUMP	ON	150	OFF	165
--------------------	-------------	----	-----	-----	-----	-----------	----	-----	-----	-----

REMARKS:

COMPLETED BY: Spencer	WITNESS:	DATE: 12/19/2019
------------------------------	-----------------	-------------------------

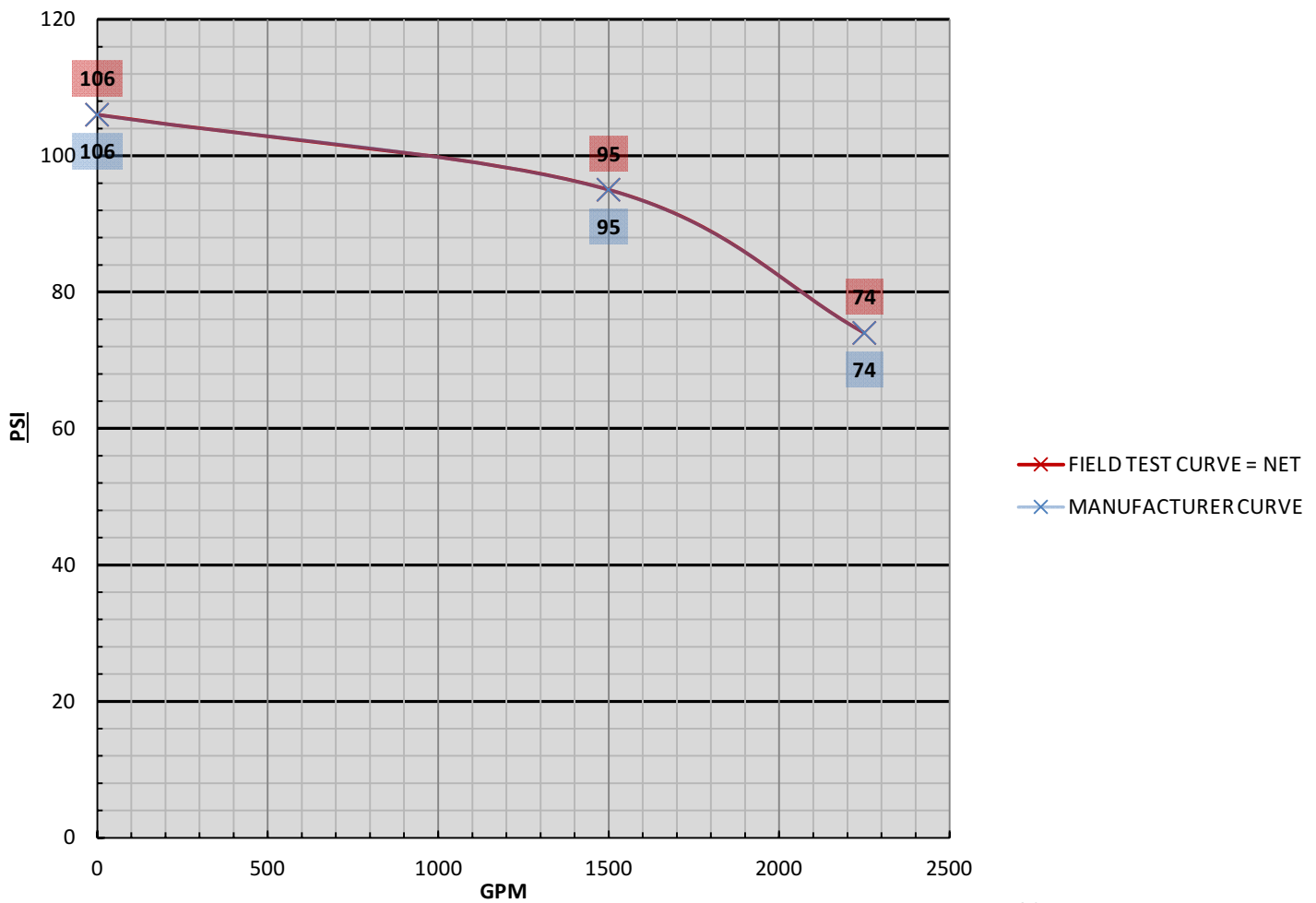
DRC

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-C180159-01**

NO FLOW, MAX PRESSURE - **106**
 100%, RATED PRESSURE - **95**
 150%, PEAK LOAD PRESSURE - **74**

DRC

PZ20-12000019
10/21/2020

DRC

PZ20-12000019
8/19/2020

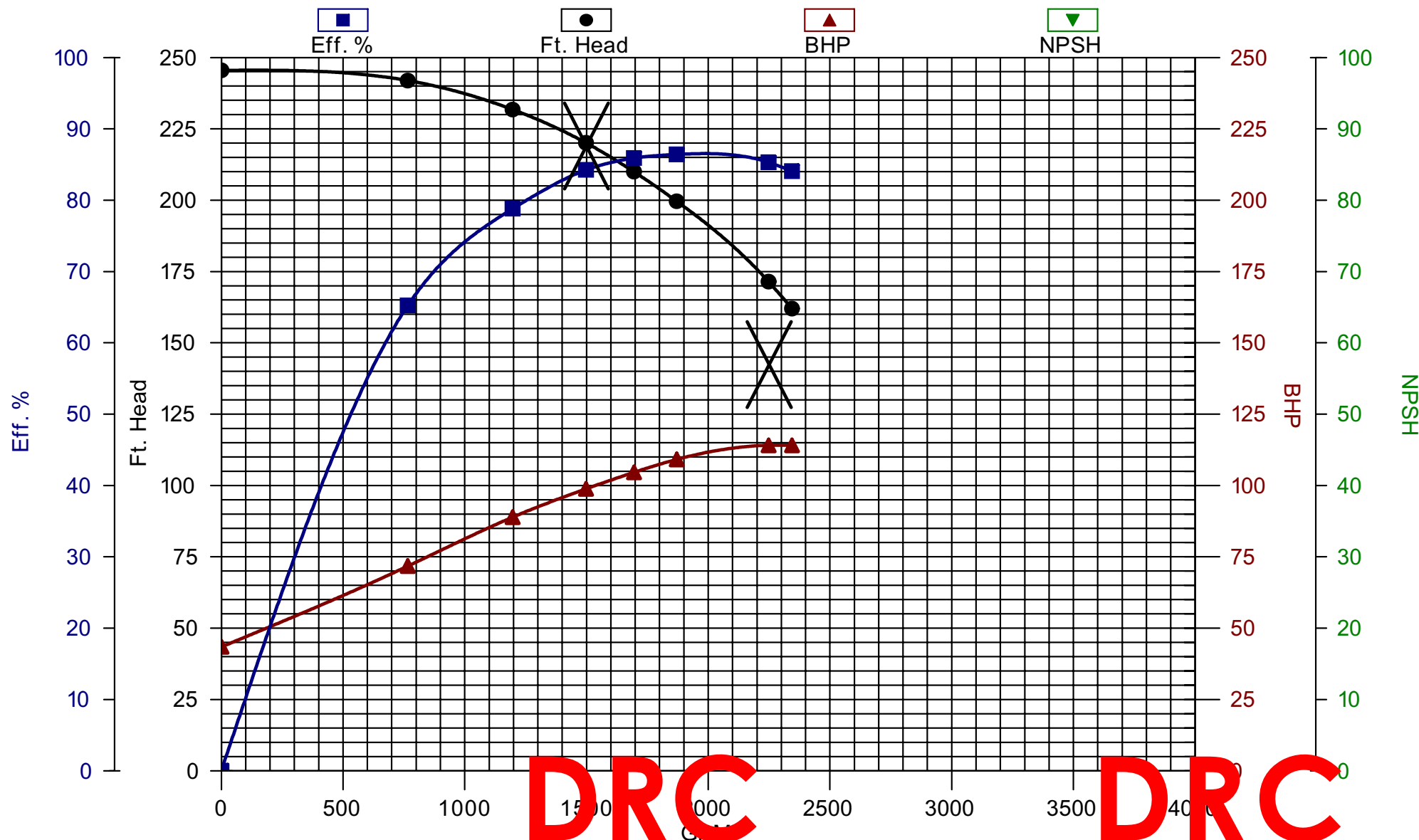
Patterson Pump Company

Serial No: FP-C0180159-01
 Pump Type: 8X6MI
 Imp Pattern: D02-68959
 Imp Dia: 15.063
 Vane Tips: .250
 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. H. HARGREAVES



Job: 364050
 GPM: 1500
 Ft. Head: 219
 Rated RPM: 1780
 Test Num: 1
 Date: Jun-11-2019
 Witnessed By: J. H. HARGREAVES



DRC

DRC

PZ20-12000019

PZ20-12000019

PATTERSON PUMP COMPANY

ORDER INFORMATION

Customer: WIGINTON FIRE
Serial No: FP-C0180159-01
Job: 364050

PUMP DATA

Pump Size & Type: 8X6MI
Impeller Pattern: D02-68959
Impeller Diameter: 15.063
Vane Tips: .250
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 Guage Elev. (Zd): 0.00
Suction Guage 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	122.00	13.80	36.00	1,796.00	0.00
2	119.00	13.20	59.10	1,792.00	16.00
3	113.00	12.40	73.00	1,790.00	39.00
4	106.50	11.60	81.00	1,789.00	61.00
5	101.00	11.00	85.60	1,788.00	78.00
6	95.50	10.40	89.30	1,788.00	95.00
7	81.00	9.20	93.20	1,787.00	137.00
8	76.00	8.60	93.20	1,787.00	149.00

Calculated Data					
Q1 (GPM)	H1 (FT)	whp	ehp	bhp1	npump
0.00	249.94	0.00	48.26	44.59	0.00
771.12	245.21	47.75	79.22	73.20	65.23
1,203.91	234.37	71.25	97.86	90.42	78.80
1,505.66	222.33	84.53	108.58	100.33	84.26
1,702.59	211.87	91.09	114.75	106.02	85.92
1,878.99	201.42	95.57	119.71	110.61	86.41
2,256.43	172.84	98.48	124.93	115.44	85.31
2,353.18	163.28	97.03	124.93	115.44	84.05

Calculated Data at Rated Speed		
Q2 (GPM)	H2 (FT)	bhp2
0.00	245.51	43.41
765.96	241.94	71.74
1,197.18	231.76	88.91
1,498.09	220.10	98.82
1,694.97	209.98	104.61
1,870.58	199.62	109.13
2,247.59	171.49	114.09
2,343.96	162.01	114.09

Comments:
UL/FM RATING 100HP.

DRC

PZ20-12000019

DRC

PZ20-12000019



HYDROSTATIC PRESSURE TEST REPORT

Pump Serial No. FP- C000 180159-01		Pump Job No. 364050	
Pump Model 8X6 MT			
Test Liquid Water, Ambient Temperature			
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) 390	
		Test Duration (Minutes) 10 min.	
		Gauge Serial No. 4271727	
Test Results <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail			
Comments O.K.			

TESTED BY

Trent Harris
Signature

6-11-19
Date

WITNESS (if applicable)

Signature

Printed Name

Company

Date

DRC

PZ20-12000019
10/21/2020

DRC

PZ20-12000019
8/19/2020

CO Item / Serial

CO / Line / Rel: C000180159 1 0

Source: J 364050 0

Item: FP-C000180159-1

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

Serial #: FP-C180159-01

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: 114.100

Max Suct: 154

GPM: 1,500

RPM: 1,780

PSIG: 95

Max PSIG: 106

Cap PSIG: 74

Impeller Diameter: 15.063

Min Sub In:

Suct PSI:

☐ Name Plate Printed

Print Name Plate

DRCPZ20-12000019
10/21/2020**DRC**PZ20-12000019
8/19/2020