

# Annual Fire Pump Inspection Report

**534 West 42<sup>nd</sup> Street**

**May 2025**

CERTIFICATE ISSUED BY FDNY

CERT.# 87557872 D  
ISSUED 06/01/2023 EXPIRES 06/15/2026

NAME ERTAN BICER  
HOME 664 N ERIE AVE  
ADDR. LINDENHURST, NY 11757-2833  
FEE \$ 5 CAT. S13 TYPE Fitness  
DESC. CITY WIDE STANDPIPE SYSTEMS

EMPLOYER RAEI MAINTENANCE CORPORATION  
WORK  
LOCATION ,



*Ertan Bicer*

NOT  
FDNY  
EMPLOYEE

CERTIFICATE ISSUED BY FDNY

CERT.# 88745344 D  
ISSUED 06/01/2023 EXPIRES 08/12/2025

NAME ERTAN BICER  
HOME 664 N ERIE AVE  
ADDR. LINDENHURST, NY 11757-2833  
FEE \$ 5 CAT. S15 TYPE Fitness  
DESC. FOAM-WATER SPRINKLER SYSTEMS

EMPLOYER RAEI MAINTENANCE CORPORATION  
WORK  
LOCATION ,



*Ertan Bicer*

NOT  
FDNY  
EMPLOYEE

CERTIFICATE ISSUED BY FDNY

CERT.# 88745591 D  
ISSUED 06/01/2023 EXPIRES 08/12/2025

NAME ERTAN BICER  
HOME 664 N ERIE AVE  
ADDR. LINDENHURST, NY 11757-2833  
FEE \$ 5 CAT. G60 TYPE Fitness  
DESC. TORCH USE OF FLAMMABLE GASES

EMPLOYER RAEI MAINTENANCE CORPORATION  
WORK  
LOCATION ,



*Ertan Bicer*

NOT  
FDNY  
EMPLOYEE

## Fire Pump Flow Test Results

Date: 5/14/2025

Technician's Name: Ertan Bicer

Work Order #: 230559

### Location Information

Facility/Store Name: 534 West 42nd Street

Store #:

Address: 534 West 42nd Street

City: New York

State: NY

Zip Code: 10036

Contact Person:

Phone:

### Pre-Inspection Checklist

1. ☒ Yes ☐ No ☐ N/A Was facility/store manager notified prior to starting inspection?

Facility/Store Manager's Name:

Phone:

2. ☒ Yes ☐ No ☐ N/A Was alarm monitoring company notified prior to starting inspection?

Alarm monitoring company:

Central Station

Phone:

3. ☐ Yes ☐ No ☒ N/A Was last inspection reviewed for deficiencies?

### Fire Pump Inspection

#### Pump Room

4. ☒ Yes ☐ No ☐ N/A Clean, dry, orderly, proper lighting and free of debris?

5. ☒ Yes ☐ No ☐ N/A Adequately heated?

6. ☐ Yes ☐ No ☒ N/A Venting louvers operating freely?

#### Pump System

7. ☒ Yes ☐ No ☐ N/A Are the fire pump suction, discharge, and bypass valves fully open?

8. ☒ Yes ☐ No ☐ N/A Are all pipes free of leaks?

9. ☒ Yes ☐ No ☐ N/A Is the suction side gauge showing normal intake static pressure?

psi: 50

10. ☒ Yes ☐ No ☐ N/A Is the discharge gauge showing normal jockey pump pressure?

psi: 50

11. ☒ Yes ☐ No ☐ N/A Is relief valve discharge piping clear and draining (floor drain) properly?

12. ☐ Yes ☐ No ☒ N/A Is the diesel system solenoid valve operating correctly?

13. ☒ Yes ☐ No ☐ N/A Was jockey/fire pump auto started via a system pressure drop?

psi: 125

135

14. ☒ Yes ☐ No ☐ N/A Is the suction side gauge showing normal intake running pressure?

psi: 50

15. ☒ Yes ☐ No ☐ N/A Is the discharge gauge showing normal running pressure?

psi: 135

16. ☒ Yes ☐ No ☐ N/A Is the pump packing gland showing a slight discharge of water (min 1 drop per sec)?

17. ☒ Yes ☐ No ☐ N/A Does the pump appear to be free of unusual noise or vibration?

18. ☒ Yes ☐ No ☐ N/A Are the packing boxes, bearings, and pump casing cool and not overheating?

#### Electrical System

19. ☒ Yes ☐ No ☐ N/A Is the controller power on pilot light illuminated?

20. ☒ Yes ☐ No ☐ N/A Is the transfer switch normal pilot light illuminated?

21. ☒ Yes ☐ No ☐ N/A Is the reverse phase alarm pilot light off or normal phase rotation pilot light on?

22. ☒ Yes ☐ No ☐ N/A Is the isolation switch closed?

Observe and record time for motor to accelerate to full speed:

sec: 2

23. ☒ Yes ☐ No ☐ N/A Motor accelerated without any abnormalities?

#### Diesel System

24. ☐ Yes ☐ No ☒ N/A Is the full tank at least two thirds full?

25. ☐ Yes ☐ No ☒ N/A Is the fire pump controller switch in the auto position?

26. ☐ Yes ☐ No ☒ N/A Are the two battery voltage readings normal?

27. ☐ Yes ☐ No ☒ N/A Are the two battery lights on, or if equipped with failure lights, are they off?

28. ☐ Yes ☐ No ☒ N/A Are all alarm pilot lights off?

## Fire Pump Flow Test Results

Date: 5/14/2025

Technician's Name: Ertan Bicer

Work Order #: 230559

What is the engine running time meter:

hrs:

29. ☐ Yes ☐ No ☒ N/A

Is the oil level normal?

30. ☐ Yes ☐ No ☒ N/A

Are the battery terminals free of corrosion?

31. ☐ Yes ☐ No ☒ N/A

Discharge of cooling water was adequate while engine was running?

Observe and record time for engine to crank and start:

sec: NA

Observe and record time for engine to reach full running speed:

sec: NA

Observe and record oil pressure gauge (*with engine running*):

psi: NA

Observe and record speed indicator (*with engine running*):

rpm: NA

32. ☐ Yes ☐ No ☒ N/A

Engine ran without any abnormalities?

### Fire Pump Peripherals Inspection

33. ☐ Yes ☐ No ☒ N/A

Have the venting louvers been cleaned?

34. ☐ Yes ☐ No ☒ N/A

Have pump bearings been lubricated?

35. ☐ Yes ☐ No ☒ N/A

Has the relief valve discharge piping drain been cleaned?

36. ☐ Yes ☐ No ☒ N/A

Have the electrical system motor bearings been greased?

37. ☐ Yes ☐ No ☒ N/A

Have the electrical system box, panels, and cabinets been cleaned?

38. ☐ Yes ☐ No ☒ N/A

Have the diesel system fuel strainers and filters been cleaned?

39. ☐ Yes ☐ No ☒ N/A

Have the diesel system oil and filters been changed?

40. ☐ Yes ☐ No ☒ N/A

Have the diesel system water strainers been cleaned?

41. ☐ Yes ☐ No ☒ N/A

Have the battery system corrosion and case exteriors been cleaned?

42. ☐ Yes ☐ No ☒ N/A

Have the battery system corrosion and case exteriors been cleaned?

### Transfer Switch Inspection

43. ☒ Yes ☐ No ☐ N/A

Has a power failure been simulated while the fire pump was operating a peak flow?

44. ☒ Yes ☐ No ☐ N/A

Upon failure, was the fire pump connected to the alternate power source?

45. ☒ Yes ☐ No ☐ N/A

On alternate power source, did the fire pump continue to operate at peak flow?

46. ☒ Yes ☐ No ☐ N/A

Upon restoring power, did the fire pump connect to utility power after a time delay?

# Fire Pump Flow Test Results

Date: 5/14/2025

Technician's Name: Ertan Bicer

Work Order #: 230559

## Fire Pump Flow Test

### Customer Information

Property of: 534 West 42nd Street	Location ID: 	Date: 05/14/2025
Address: 534 West 42nd Street	Testing Company: Rael	Tested By: Ertan Bicer
City: New York	State: NY	Zip Code: 10036

### Pump Information

Shaft: <input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Vertical	Manufacturer: AC Fire Pump	UL/FM Listed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Shop / Serial #: 06-053036-01-02/QKH376	Model / Type: 4x4x9.5F	Suction Form: City Main
Fire Pump Dataplate Information (100% Rating): GPM: 500 PSI: 90 Ft. of Head: 206 RPM: 3550			NFPA Minimum 150% Rating: GPM: 750 PSI: 61	NFPA Suggest Churn (PSI): - 150	Tank Size: Tank Ht:

### Driver Information

Manufacturer: Weg	UL/FM Listed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Shop / Serial #: D40360S3V286JPV	Model / Type: 286JP	HP: 40	Phase: 3	Cycle: 60	Hrs: NA	Test Time:
Motor Type: <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Diesel <input type="checkbox"/> Steam	Electric Motor Rating Information: Volt: 200 400 Amp: 109.0 54.0		Electric Motor Performance Thresholds (assumed 1.15 service factor): Max Amp: Min Volts: 380 Max Volts: 440					

### Controller Information

Manufacturer: Tornatech	UL/FM Listed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Shop / Serial #: Z44480	Model / Type: GPA-208/40/3/60	Self-Run Timer Setting: <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input checked="" type="checkbox"/> None
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### System Demand Information

System Type: Combination	Max System Demand: GPM: NA PSI: NA	Location / Riser#: Stair A Roof	Other Information: 2-25' Hoses
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### Start / Stop Settings

Auto On / Off Settings (PSI): Start: 75 psi Stop:	Start Method: Pressure Drop	Jockey Pump On / Off Settings (PSI): Start: 125 psi Stop: 135 psi
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### Flow Test Information

Speed (RPM)	Suction Pressure (PSI)	Discharge Pressure (PSI)	Net Head (PSI)	Streams								Total Flow (GPM)	% Rated Capacity	Volts/Amps Data						
				Size	No	Pitot Pressure								Voltage			Amps			
						#1:	#2:	#3:	#4:	#5:	#6:			#7:	A:	B:	C:	A:	B:	C:
3550	50	155	105		0	-- CHURN --							0	0%	201	200	200	57	60	60
3557	50	145	95	1-3/4" HM Pitotless	1	6							250	50%	202	201	200	75	77	75
3546	40	130	90	1-3/4" HM Pitotless	2	6	6						500	100%	201	200	201	101	100	102
3549	40	105	65	1-3/4" HM Pitotless	3	13	13						750	150%	201	201	202	110	109	111

### Comments:

Ertan Bicer

Date: 5/14/2025

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Date:5/14/2025

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Performance Curve (Pressure vs. Flow)

Customer Information

Property of:  
534 West 42nd Street

Location ID:

Date:  
05/14/2025

Address:  
534 West 42nd Street

Testing Company:  
Rael

Tested By:  
Ertan Bicer

City:  
New York

State:  
NY

Zip Code:  
10036

Pump Information

Shaft:  
☐ Horizontal ☒ Vertical

Manufacturer:  
AC Fire Pump

UL/FM Listed:  
☒ Yes ☐ No

Shop / Serial #:  
06-053036-01-02/QKH376

Model / Type:  
4x4x9.5F

Suction Form:  
City Main

Fire Pump Dataplate Information (100% Rating):

GPM:500

PSI:90

Ft. of Head:206

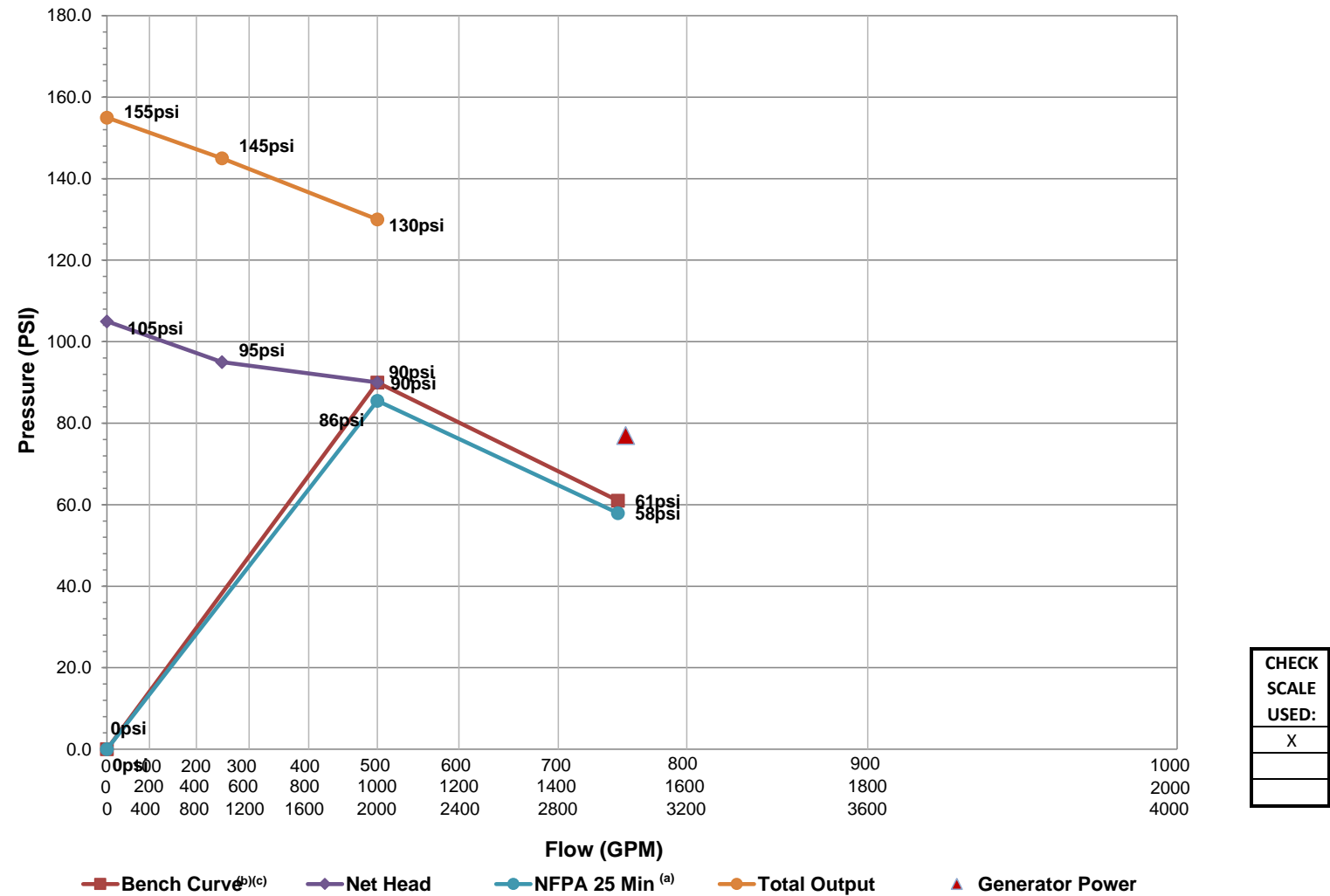
RPM:3500

NFPA Minimum 150% Rating:  
GPM:750 PSI:61

NFPA Suggest Churn (PSI):  
☐ - ☐ 125

Tank Size:

Tank Ht:



(a): "NFPA 25 Minimum" Based on acceptable tolerance 5% below "Bench Curve".  
(b): "Bench Curve" based on NFPA requirements, not an actual bench performance test.  
(c): "Bench Curve" pressure at churn based on 100% capacity rating.