

# 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 RAEEL MAINTENANCE CORPORATION  
WORK  
LOCATION ,



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 RAEEL MAINTENANCE CORPORATION  
WORK  
LOCATION ,



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 RAEEL MAINTENANCE CORPORATION  
WORK  
LOCATION ,



## 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

- Yes  No  N/A Was facility/store manager notified prior to starting inspection?  
Facility/Store Manager's Name: \_\_\_\_\_ Phone: \_\_\_\_\_
- Yes  No  N/A Was alarm monitoring company notified prior to starting inspection?  
Alarm monitoring company: Central Station Phone: \_\_\_\_\_
- Yes  No  N/A Was last inspection reviewed for deficiencies?

### Fire Pump Inspection

#### Pump Room

- Yes  No  N/A Clean, dry, orderly, proper lighting and free of debris?
- Yes  No  N/A Adequately heated?
- Yes  No  N/A Venting louvers operating freely?

#### Pump System

- Yes  No  N/A Are the fire pump suction, discharge, and bypass valves fully open?
- Yes  No  N/A Are all pipes free of leaks?
- Yes  No  N/A Is the suction side gauge showing normal intake static pressure?
- Yes  No  N/A Is the discharge gauge showing normal jockey pump pressure? psi: 50
- Yes  No  N/A Is relief valve discharge piping clear and draining (floor drain) properly?
- Yes  No  N/A Is the diesel system solenoid valve operating correctly?
- Yes  No  N/A Was jockey/fire pump auto started via a system pressure drop? psi: 125 135
- Yes  No  N/A Is the suction side gauge showing normal intake running pressure? psi: 50
- Yes  No  N/A Is the discharge gauge showing normal running pressure? psi: 135
- Yes  No  N/A Is the pump packing gland showing a slight discharge of water (min 1 drop per sec)?
- Yes  No  N/A Does the pump appear to be free of unusual noise or vibration?
- Yes  No  N/A Are the packing boxes, bearings, and pump casing cool and not overheating?

#### Electrical System

- Yes  No  N/A Is the controller power on pilot light illuminated?
- Yes  No  N/A Is the transfer switch normal pilot light illuminated?
- Yes  No  N/A Is the reverse phase alarm pilot light off or normal phase rotation pilot light on?
- Yes  No  N/A Is the isolation switch closed?  
Observe and record time for motor to accelerate to full speed: sec: 2
- Yes  No  N/A Motor accelerated without any abnormalities?

#### Diesel System

- Yes  No  N/A Is the full tank at least two thirds full?
- Yes  No  N/A Is the fire pump controller switch in the auto position?
- Yes  No  N/A Are the two battery voltage readings normal?
- Yes  No  N/A Are the two battery lights on, or if equipped with failure lights, are they off?
- Yes  No  N/A Are all alarm pilot lights off?

## Fire Pump Flow Test Results

Date: 5/14/2025Technician's Name: Ertan BicerWork 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: 05/14/2025
Address: 534 West 42nd Street	Testing Company: Rael
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	Shop / Serial #: 06-053036-01-02/QKH376	Model / Type: 4x4x9.5F	Suction Form: City Main
Fire Pump Dataplate Information (100% Rating):					
GPM: <u>500</u>	PSI: <u>90</u>	Ft. of Head: <u>206</u>	RPM: <u>3550</u>	GPM: <u>750</u> PSI: <u>61</u>	<u>  </u> - <u>150</u>

#### Driver Information

Manufacturer: Weg	UL/FM Listed: <input checked="" type="checkbox"/> Yes	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								
Volt: <u>200</u> <u>400</u>	Amp: <u>109.0</u> <u>54.0</u>	Max Amp: <u>  </u> <u>  </u>	Min Volts: <u>380</u>	Max Volts: <u>440</u>				

#### Controller Information

UL/FM Listed: <input checked="" type="checkbox"/> Yes	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
Tornatech			

#### System Demand Information

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

Auto On / Off Settings (PSI): Start: <u>75 psi</u> Stop: <u>  </u>	Start Method: Pressure Drop	Jockey Pump On / Off Settings (PSI): Start: <u>125 psi</u> Stop: <u>135 psi</u>
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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

## Fire Pump Flow Test Results

Date: 5/14/2025

Technician's Name: Ertan Bicer

Work Order #: 230559

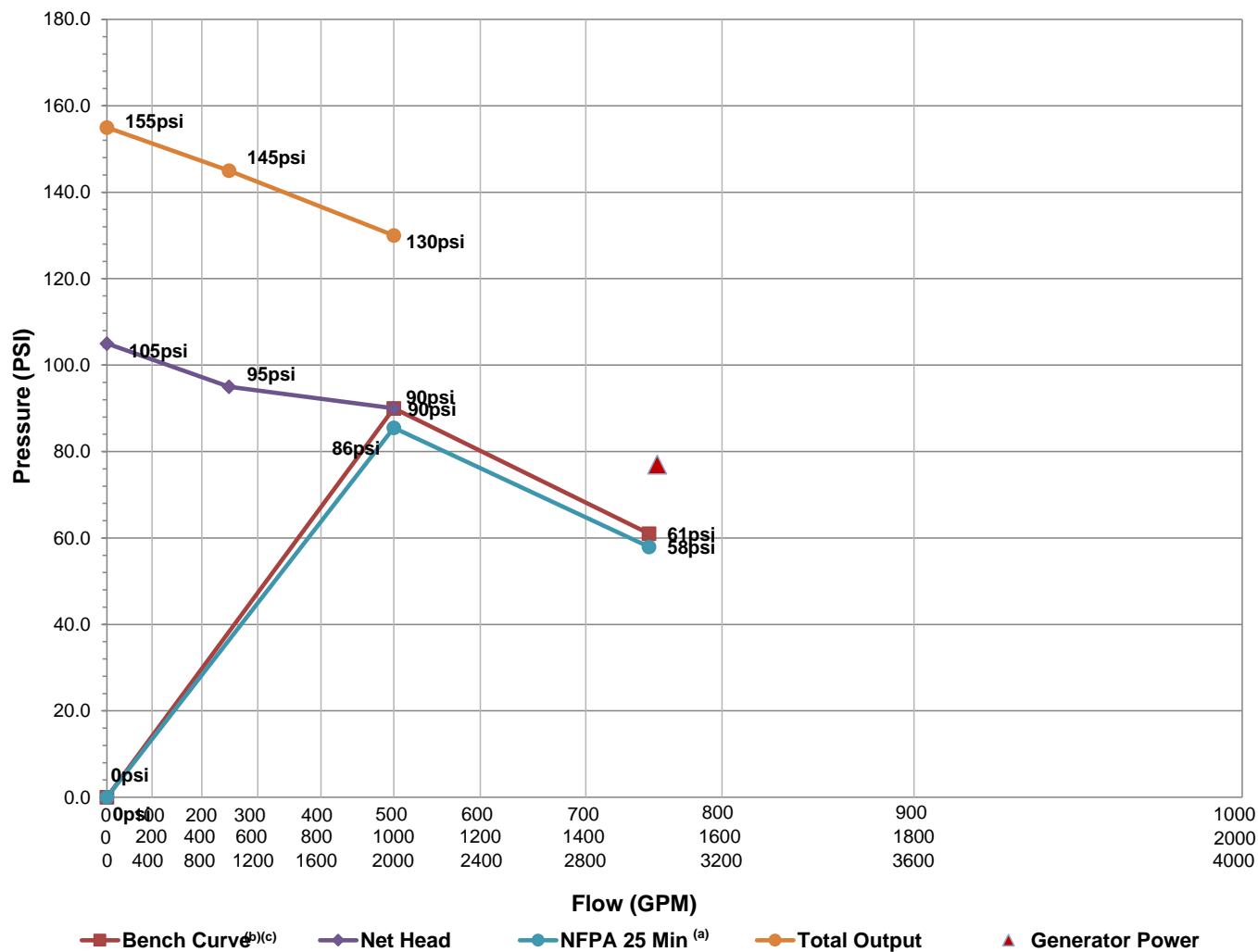
### Performance Curve (Pressure vs. Flow)

#### Customer Information

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

#### Pump Information

Shaft:	<input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Vertical	Manufacturer:	UL/FM Listed:	Shop / Serial #:	Model / Type:	Suction Form:
		<u>AC Fire Pump</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>06-053036-01-02/QKH376</u>	<u>4x4x9.5F</u>	<u>City Main</u>
Fire Pump Datplate Information (100% Rating):				NFPA Minimum 150% Rating:	NFPA Suggest Churn (PSI):	Tank Size: Tank Ht:
GPM:	<u>500</u>	PSI:	<u>90</u>	Ft. of Head: <u>206</u>	RPM: <u>3500</u>	GPM: <u>750</u> PSI: <u>61</u>



CHECK
SCALE
USED:
<input checked="" type="checkbox"/>

(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.