



## Village of Lake Placid Climate Smart Communities

### PE4: Heat Pumps

**Points Requested: 14, for heat pumps in 2 municipal facilities**

The Village of Lake Placid installed heat pumps in the Electric Department building in February 2020 and Fire Department in August 2019. Heat pumps are the primary heat source for both buildings. All heat pumps were installed by the contractor [Goodrich Refrigeration](#).

The attached spreadsheet shows energy use in the Fire Department and Electric Department Buildings before and after the heat pump installations. Data is adjusted to equalize for the number of heating and cooling degree days. The data shows modest energy savings in both buildings.

Invoices for both installations are attached.

All photos were taken in July 2022.

#### Photos of Heat Pumps Installed in the Fire House:





**DAIKIN INDUSTRIES, LTD.**  
HEAT PUMP(OUTDOOR SECTION)

MODEL	4MXL36TVJU	
SERIAL NUMBER	E 0 0 1 4 2	
MFG. DATE	2018.12	
NET WEIGHT	214 LBS	97 kg
POWER SUPPLY	SINGLE PHASE 208/230V 60Hz	
MAXIMUM OVERCURRENT PROTECTIVE DEVICE	35 A	
MINIMUM CIRCUIT AMPACITY	32.5 A	
FAN MOTOR	FLA 1.15 A	OUTPUT 84 W
COMPRESSOR MOTOR	RLA 27.0 A	LRA 27.0 A
DESIGN PRESSURE	HI SIDE 604 psig	LO SIDE 391 psig
REFRIGERANT (FACTORY CHARGED)	R410A	8.60 LBS 3.9 kg
SCCR kA rms, Symmetrical @600V MAX: 5		

PLEASE REFER TO THE TECHNICAL MANUAL FOR OTHER ELECTRICAL SPECIFICATIONS. **R410A**

**AHRI CERTIFIED**  
www.ahridirectory.org  
Utility Small HP  
AHRI Standard 210/240  
Certification applies only when the complete system is used with this unit.

CONFORMS TO  
ANSI/UL STD 1995  
CERTIFIED TO  
CSA STD  
C22.2 NO. 236

**ETL US**  
Intertek  
3052765

Made in Thailand/Engineered in Japan  
3S601858-28

SUITABLE FOR OUTDOOR USE

**⚠ DANGER**

PRODUCT FAILURE HAZARD!  
• Do not attempt pump-down if there is a risk of refrigerant leakage.  
• Use only the specified refrigerant.

RISQUE DE DÉFAILLANCE DU PRODUIT!  
• N'essayez pas de pomper s'il y a un risque de fuite de réfrigérant.  
• N'utilisez que le réfrigérant spécifié.

**⚠ WARNING**  
Cancer and Reproductive Harm - www.P65Warnings.ca.gov.



**DAIKIN INDUSTRIES, LTD.**  
FAN COIL UNIT (INDOOR SECTION)

MODEL	FTXS12LVJU	
SERIAL NUMBER	E 1 1 9 6 9 8	
MFG. DATE	2019.3	
NET WEIGHT	22 LBS	10 kg
POWER SUPPLY	SINGLE PHASE 208/230V 60Hz	
FAN MOTOR	FLA	0.15 A
DESIGN PRESSURE	OUTPUT	23 W
	HIGH SIDE	604 psig
	LOW SIDE	391 psig
SCCR kA rms, Symmetrical @600V MAX: 5		

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CERTIFIED TO  
CSA STD  
C22.2 NO. 236

**ETL US**  
Intertek  
3052765

MADE IN THAILAND  
Engineered in Thailand



**DAIKIN INDUSTRIES, LTD.**  
**FAN COIL UNIT (INDOOR SECTION)**  
 MODEL **FTXS09LVJU**  
 SERIAL NUMBER **E094030**  
 MFG. DATE **2018.12**  
 NET WEIGHT **20 LBS 9 kg**  
 POWER SUPPLY **SINGLE PHASE**  
**208/230V 60Hz**

FAN MOTOR	FLA	0.15 A
	OUTPUT	23 W
DESIGN PRESSURE	HIGH SIDE	604 psig
	LOW SIDE	391 psig

SCCR kA rms, Symmetrical @600V MAX: 5  
 CONFORMS TO  
 ANSI/UL STD 1995  
 CERTIFIED TO  
 CSA STD  
 C22.2 NO. 236  
 MADE IN THAILAND  
 Engineered in Japan

3SB65293-11P



**DAIKIN INDUSTRIES, LTD.**  
**FAN COIL UNIT (INDOOR SECTION)**  
 MODEL **FTXS18LVJU**  
 SERIAL NUMBER **E070386**  
 MFG. DATE **2018.12**  
 NET WEIGHT **31 LBS 14 kg**  
 POWER SUPPLY **SINGLE PHASE**  
**208/230V 60Hz**

FAN MOTOR	FLA	0.32 A
	OUTPUT	48 W
DESIGN PRESSURE	HIGH SIDE	604 psig
	LOW SIDE	391 psig

SCCR kA rms, Symmetrical @600V MAX: 5  
 CONFORMS TO  
 ANSI/UL STD 1995  
 CERTIFIED TO  
 CSA STD  
 C22.2 NO. 236  
 MADE IN THAILAND  
 Engineered in Japan

3SB65293-14P



**DAIKIN INDUSTRIES, LTD.**  
**FAN COIL UNIT (INDOOR SECTION)**  
 MODEL **FTXS12LVJU**  
 SERIAL NUMBER **E118833**  
 MFG. DATE **2019.3**  
 NET WEIGHT **22 LBS 10 kg**  
 POWER SUPPLY **SINGLE PHASE**  
**208/230V 60Hz**

FAN MOTOR	FLA	0.15 A
	OUTPUT	23 W
DESIGN PRESSURE	HIGH SIDE	604 psig
	LOW SIDE	391 psig

SCCR kA rms, Symmetrical @600V MAX : 5  
 CONFORMS TO  
 ANSI/UL STD 1995  
 CERTIFIED TO  
 CSA STD  
 C22.2 NO. 236

**ETL** US  
 Intertek  
 3052765

MADE IN THAILAND  
 Engineered in Japan

3SB65293-12P



**DAIKIN INDUSTRIES, LTD.**  
**FAN COIL UNIT (INDOOR SECTION)**  
 MODEL **FTXS12LVJU**  
 SERIAL NUMBER **E119678**  
 MFG. DATE **2019.3**  
 NET WEIGHT **22 LBS 10 kg**  
 POWER SUPPLY **SINGLE PHASE**  
**208/230V 60Hz**

FAN MOTOR	FLA	0.15 A
	OUTPUT	23 W
DESIGN PRESSURE	HIGH SIDE	604 psig
	LOW SIDE	391 psig

SCCR kA rms, Symmetrical @600V MAX : 5  
 CONFORMS TO  
 ANSI/UL STD 1995  
 CERTIFIED TO  
 CSA STD  
 C22.2 NO. 236

**ETL** US  
 Intertek  
 3052765

MADE IN THAILAND  
 Engineered in Japan

3SB65293-12P



**Photos of Heat Pumps in the Electric Department:**



**DAIKIN INDUSTRIES, LTD.**  
**FAN COIL UNIT (INDOOR SECTION)**  
 MODEL **FTXS12LVJU**  
 SERIAL NUMBER **E126482**  
 MFG. DATE **2019.5**  
 NET WEIGHT **22 LBS 10 kg**  
 POWER SUPPLY **SINGLE PHASE 208/230V 60Hz**

FAN MOTOR	FLA	0.15 A
	OUTPUT	23 W

DESIGN PRESSURE	HIGH SIDE	604 psig
	LOW SIDE	391 psig

SCCR kA rms, Symmetrical @600V MAX: 5  
 CONFORMS TO ANSI/UL STD 1995  
 CERTIFIED TO CSA STD C22.2 NO. 236  
 MADE IN THAILAND  
 Engineered in Japan

**ETL US**  
 Intertek  
 3052765

3SB65293-12P



**DAIKIN INDUSTRIES, LTD.**  
**FAN COIL UNIT (INDOOR SECTION)**  
 MODEL **FTXS12LVJU**  
 SERIAL NUMBER **E120282**  
 MFG. DATE **2019.3**  
 NET WEIGHT **22 LBS 10 kg**  
 POWER SUPPLY **SINGLE PHASE 208/230V 60Hz**

FAN MOTOR	FLA	0.15 A
	OUTPUT	23 W

DESIGN PRESSURE	HIGH SIDE	604 psig
	LOW SIDE	391 psig

SCCR kA rms, Symmetrical @600V MAX: 5  
 CONFORMS TO ANSI/UL STD 1995  
 CERTIFIED TO CSA STD C22.2 NO. 236  
 MADE IN THAILAND  
 Engineered in Japan

**ETL US**  
 Intertek  
 3052765

3SB65293-12P



**DAIKIN INDUSTRIES, LTD.**  
HEAT PUMP (OUTDOOR SECTION)

MODEL	<b>3MXL24RMVJU</b>		
SERIAL NUMBER	G007222		
MFG. DATE	2019.6		
NET WEIGHT	140 LBS	63 kg	
POWER SUPPLY	SINGLE PHASE 208/230V 60Hz		
MAXIMUM OVERCURRENT PROTECTIVE DEVICE	25 A		
MINIMUM CIRCUIT AMPACITY	22.8 A		
FAN MOTOR	FLA 0.42 A	OUTPUT 122 W	
COMPRESSOR MOTOR	RLA 17.5 A	LRA 17.5 A	
DESIGN PRESSURE	HI SIDE 604 psf	LO SIDE 362 psf	
REFRIGERANT (FACTORY CHARGED)	R410A	6.17 LBS	2.8 kg
SQR 4A rms, Symmetrical @60V MAX: 5			

CONFORMS TO ANSI/UL STD 1995  
CERTIFIED TO CSA STD C22.2 NO. 238

**AHRI CERTIFIED**  
www.ahridirectory.org

**R410A** MADE IN CHINA  
ENGINEERED IN JAPAN  
35601866-001

INTERTEK 4007070

SUITABLE FOR OUTDOOR USE



**FUJITSU**

SPLIT TYPE AIR CONDITIONER  
OUTDOOR USE

MODEL No. AOU18RLXFZ  
SERIAL No. LTN 058851

SOURCE 208/230 V 60Hz 1-PH

		COOL	HEAT
TOTAL	AMPS.	10.0/10.0	10.0/10.0
OUTDOOR	COMPRESSOR AMPS.	8.5/8.5	8.5/8.5
	FAN MOTOR AMPS.	0.5/0.5	0.5/0.5

MINIMUM CIRCUIT AMPACITY 12.1 A  
MAX. CKT. BKR. 15 A  
COMPRESSOR LOCKED-ROTOR AMPERES 24 A

REFRIGERANT R410A FACTORY CHARGED 4 lb 14 oz

DESIGN PRESSURE HIGH SIDE 450 psi  
LOW SIDE 240 psi

APPLICABLE INDOOR UNIT:  
ASU7RLF ASU9RLF ASU12RLF  
ASU9RLS2 ASU12RLS2 ASU7RLF1 ASU9RLF1 ASU12RLF1  
AUU7RLF AUU9RLF AUU12RLF  
ARU7RLF ARU9RLF ARU12RLF AGU9RLF AGU12RLF

Halcyon HFI Compatible

**AHRI CERTIFIED**  
www.ahridirectory.org

Unitary Small HP  
AHRI Standard 210/240  
Certification applies only when the complete system is listed with AHRI

**ETL** US  
Intertek 91987  
ETL LISTED  
CONFORMS TO  
UL STD. 1995  
CERTIFIED TO  
CAN/CSA STD.  
C22.2 NO. 238

FUJITSU GENERAL LIMITED MADE IN THAILAND



### Photos of Education Signage Posted in the Town Hall





**The Village of Lake Placid uses air-source heat pumps. You can, too!**

In the winter, this air-source heat pump draws in heat from the outside and distributes it inside. In the summer, this process is reversed, and heat is captured from inside and expelled outside.

How can heat be drawn from cold air? Down to absolute zero (0K/0°F), all air contains some heat.

**Air-source heat pumps have many benefits:**

- Energy and cost savings:** Air source heat pumps move heat instead of producing it, which makes them much more efficient than traditional propane or heating systems.
- Reduced reliance on fossil fuels:** Air source heat pumps are powered by electricity, rather than natural gas, propane, or heating oil.
- Improved indoor air quality & safety:** Air source heat pumps do not burn fuel, so there is no risk of carbon monoxide or carbon dioxide leak.

The installation of this air-source heat pump is part of the Village of Lake Placid's efforts to reduce energy use and greenhouse gas emissions.

Learn more about how to install heat pumps in your home at [cleaheat.ny.gov](http://cleaheat.ny.gov)

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**LEGAL NOTICES**  
TOWN OF NORTH ELBA  
VILLAGE OF LAKE PLACID  
COUNTY OF STEARNS

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