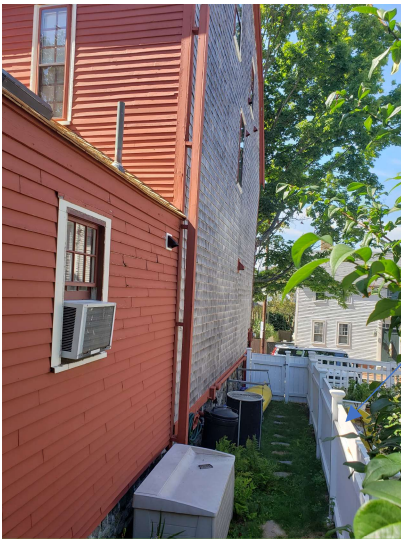


Supplementary Information for HDC AC Application for 130 Gates St., Portsmouth

Project: Replace 40+ year old furnace with a new, more efficient one and add an additional AC that is both more efficient and quieter than the existing 3rd floor unit. This new HVAC system will only service the first floor. There are additional furnaces for the second and third floor as well as an existing AC system for the third floor. All systems are forced air, ducted systems.

Request for Planning Variance:: Install an additional AC external compressor in the same area as the existing unit. This unit will have a clearance of 36" to the property line which requires the approval of a variance.

Timeline: Pettigrew HVAC has agreed to commence this project as of September 1 and has initiated the permitting process with the planning department. It will take approximately 10 days to install the system



View of proposed installation of new AC compressor

Existing 5 ft solid fence that obscures view and noise



Detailed view of proposed installation of new AC compressor

Existing AC compressor

Proposed location of new AC compressor

Distance from Compressor to property line is 36 inches



Existing furnace Intake/Vent



Proposed new furnace Intake/Vent

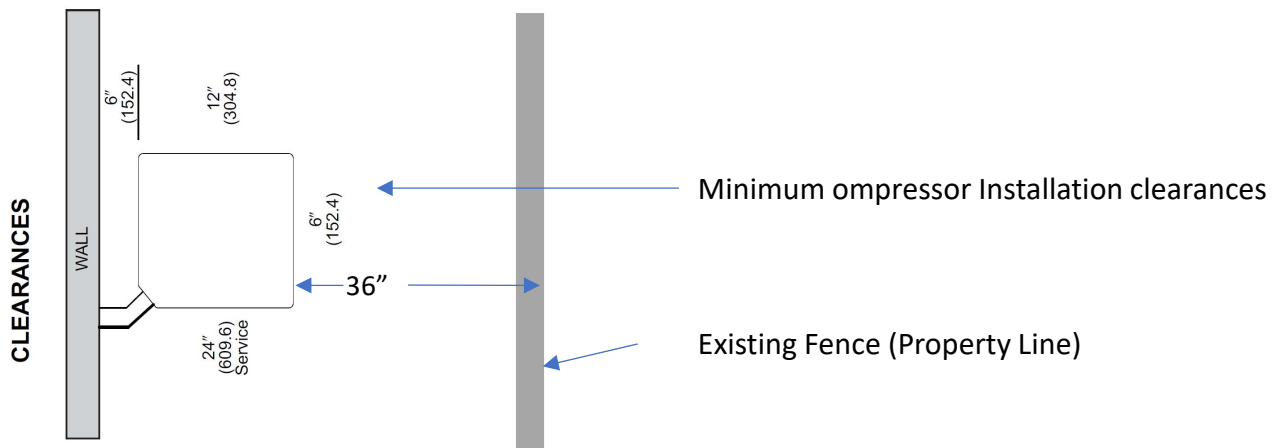
AC Compressor Specifications:



Rheem, RA 16 Series, , 30k BTU

Unit Size			
Model No:	H (Height)	W (Width)	L (Length)
RA1630A	27 inches	35.75 inches	35.75 inches

TYPICAL OCTAVE BAND SPECTRUM	Standard	Typical Octave Band Spectrum						
Rating (dBA)		125	250	500	1000	2000	4000	8000
RA1630A	74.3	48.4	57.4	62.6	64.5	61.5	56.5	51.5



Home is located on corner of Gates St and Manning St.

Existing/New AC Compressor location

130 Gates St Map



Proposed new AC Compressor location

Existing AC Compressor location

Zoning Ordinance Review for 130 Gates St.

The following have been considered with respect to the requested variance:

10.233.21 The variance will not be contrary to the public interest;

The proposed AC compressor location is in the same area as an existing location. When replacing the fence between 130 Gates St. and 138 Gates St. several years ago it was constructed of solid wood to create a visual and acoustic barrier. The compressor is not visible from any public location

10.233.22 The spirit of the Ordinance will be observed;

The proposed AC compressor location already has an existing compressor. The new unit is much quieter and will become the dominant AC in use thereby reducing the overall noise.

10.233.23 Substantial justice will be done;

The proposed location installation of the compressor will be as close as possible to the house (6" minimum offset required) leaving 36 inches between the compressor and the property line.

10.233.24 The values of surrounding properties will not be diminished;

The AC compressor will not be visible from any public location and is only minimally visible from neighbor's upper floor windows. There are a multitude of existing AC compressor located throughout this neighborhood which have been installed in the last few years that are either more visible (including from public locations) or from neighboring lots. These have not diminished property values. Location of the new AC compressor has been discussed with our neighbors Rick and Sandra Wiese at 138 Gaes St. who are minimally impacted by the noise and they have provided us with their consent to install the additional AC compressor in the proposed location.

10.233.25 Literal enforcement of the provisions of the Ordinance would result in an unnecessary hardship.

It would not be reasonable to install the compressor in any other location as it would be much more visible either publicly (as the property abuts both Gates St. and Manning St.) or from neighboring lots. It would also greatly complicate the installation. Finally, the home location is already in variance with current ordinances with respect to the property line between 130 Gates St. and 138 Gates St.