

**From:** Richard Kahn <[REDACTED]>  
**To:** Jeff Epstein <jeevacation@gmail.com>  
**Cc:** Mark Tollison <[REDACTED]>, Rich Barnett <[REDACTED]>  
**Subject:** Fwd: 9 East 71st Street  
**Date:** Mon, 28 Oct 2013 17:57:07 +0000

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attached is AD Winston comments on the link you sent us  
do you envision this unit to supplement existing 7 tons hitting masterbedroom or want it to be standalone  
i also have sandy berger (hanson contact) looking into this and hope to have 2 bids for your review

Richard Kahn  
HBRK Associates Inc.

[REDACTED]

Begin forwarded message:

**From:** "M Palladino" <[REDACTED]>  
**Subject:** RE: 9 East 71st Street  
**Date:** October 28, 2013 1:47:25 PM EDT  
**To:** "Richard Kahn" <[REDACTED]>  
**Cc:** "Richard Barnett" <[REDACTED]>

Gentlemen,

To start I have never installed or heard of thermo space, however I did look into the link which was sent to me and I have a number of concerns.

The first is it utilizes refrigerant 22 which has been banned by the EPA and discontinued in new equipment since January of 2010, its also an on/off system not inverter driven, meaning once it reaches temperature the compressor shuts off and does not come back on until temperature goes above set point. If this system is to be installed, I would recommend an inverter driven system, which allows the compressor to ramp up and down depending on the load conditions, this works best because the system never shuts off avoiding the cold/hot spells during the off cycle, not to mention it is much more energy efficient. I would recommend installing a 3 ton Mitsubishi commercial grade inverter driven wall mounted ductless split system which utilizes new R410A refrigerant, with inverter driven technology.

Ductless split systems operate differently then a conventional system, which is currently serving the entire house. They distribute colder air therefore dehumidifying more then a conventional system can.. However this works much better if the whole house was heated and cooled by a ductless split system. Humidity seeks its own level and will find its way through doors, floors and

walls, therefore still finding its way into the master bedroom, because the conventional system is still serving the majority of the house. We would no longer have fresh air distributed into the bedroom, and we have no way to close the return from the existing system, because it is a common return, unless we opened up the ceiling in the master bedroom and physically capped and sealed the return duct.

The installation on a system like this would be challenging, we would hang the air-handler in the bedroom on the electrical closet wall, we would have to run copper piping and insulation up to the roof where the condensing unit will be placed via a rig. The roof and each floor would have to be drilled for refrigerant and condensate piping. The majority of costs will be between the labor and rigging.

In closing, I would only install a ductless split in this Residence for supplemental heat/cool purposes only, not for quality of air or dehumidifying purposes because of the reasons stated above. In this particular case supplemental does not work, because ductless splits can only work down to a range of 61-63 degrees and the bedroom is currently capable of getting down to 58 degrees.

If you have any further questions or concerns please contact me anytime,

Michael Palladino  
Vice President  
A.D Winston Service Inc

Email: [REDACTED]

[REDACTED]

-----Original Message-----

**From:** Richard Kahn [mailto:[REDACTED]]  
**Sent:** Monday, October 28, 2013 10:50 AM  
**To:** Michael Palladino  
**Subject:** 9 East 71st Street

Attached is link that Mr Epstein sent me

[REDACTED]

Richard Kahn  
HBRK Associates Inc.

[REDACTED]

