Adaptability

LOW NOISE OPERATION

Thanks to below 2 Design Changes

Sound Power Level								dB(A)
HP	8	10	12	14	16	20	22	24
Current Model	81.5	82.5	84	85.4	85.5	86	87	87
New Model	80	82	82	85	85	86	84	86

Cover



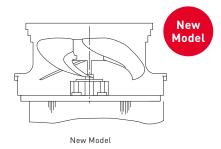
Compressor:

The model is louder than conventional models due to the utilization of a compact high-speed compressor, but it can reduce the level of the sound pressure by up to 2dB(A) due to the utilization of new pressure covers.

New Cover

Air blower:

The air blower has a new structure where it is placed above the heat exchanger, meaning that the noise on the reverse side can be suppressed.

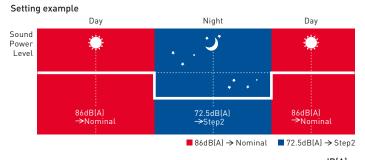


SILENT MODE

The user can set a (three-step) nighttime low-noise schedule using the control unit remote controller. The user can set a schedule for operation that takes the ambient environment into account.

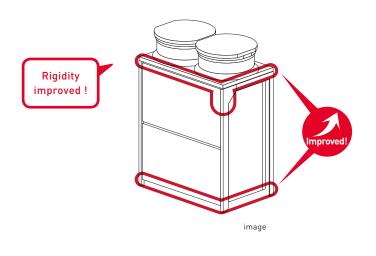
IMPROVED STRENGTH

Rigidity ratio (measured value) in the front and back direction : increased by 36.7%



		gB(A)		
	18HP	42HP		
Noise Reduction mode	Sound Power Level	Sound Power Level		
Nominal	86	89		
Step1	82.5	86		
Step 2	77.5	81		
Step3	72.5	76		

^{*}The range of performance and operation is limited, since the rotation frequency of the compressor and ODU fan are forcibly decreased.

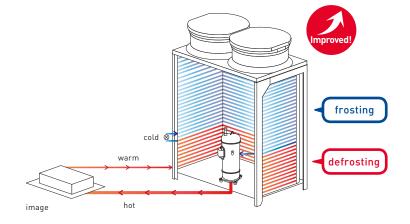




DEFROSTING

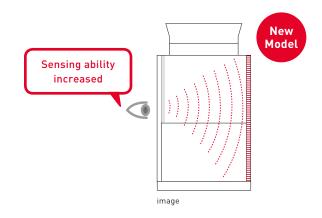
Prevention

for defrosting prevention, the model controls frost and ice formation during heating operation by running mid-temperature coolant (5°C-20°C) before decreasing the pressure through a heat exchanger to control frost and ice formation on the lower part of the outdoor heat exchanger.



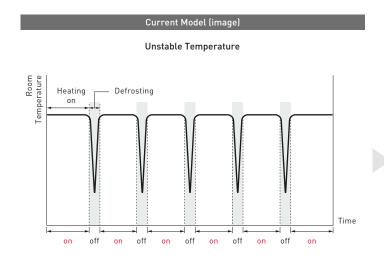
Better Sensing

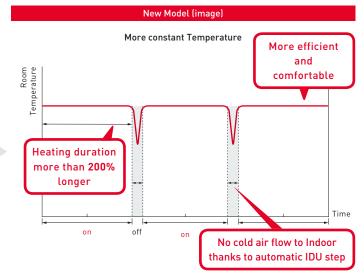
Even while defrosting, Hitachi's original sensing function has improved the system for detecting the frost amount.



More efficient defrosting

In addition, the defrosting interval has been increased by more than 200%, from 120 minutes to 250 minutes. Undertakes defrosting more efficiently, rather than unnecessary defrosting every two hours.

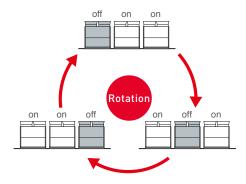




TO PREVENT FAILURE AND EMERGENCY OPERATION IN CASE OF FAILURE

To prevent failure

Standardize the running time of the individual outdoor units and distribute the load by rotating the order of operation of the compressors of the outdoor units.



Back up function

Full introduction of backup operation function. If one outdoor unit should fail, the model can continue to operate using the remaining outdoor units, thereby preventing total system failure.

