Subtype HPVCH260

Certificate Holder	Rinnai UK Ltd
Address	9 Christleton Ct
ZIP	WA7 1ST
City	Runcorn
Country	GB
Certification Body	ICIM S.p.A.
Subtype title	HPVCH260
Registration number	ICIM-PDC-000299
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	11.7 kg
Certification Date	23.10.2024
Testing basis	Heat Pump KEYMARK V9

Model HPVCH260	
Model name	HPVCH260
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	61.40 kW	56.50 kW
El input	15.00 kW	21.70 kW
COP	4.09	2.60

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	15.45 kW	
Cooling capacity	48.00	
EER	3.11	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	80 dB(A)	80 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	154 %	120 %
Prated	47.00 kW	47.00 kW
SCOP	3.92	3.08
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	41.80 kW	41.30 kW
COP Tj = -7°C	2.18	1.55
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	27.70 kW	29.10 kW
COP Tj = +2°C	3.78	2.93
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	31.20 kW	43.40 kW
COP Tj = +7°C	5.56	4.68
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	35.60 kW	42.30 kW
COP Tj = 12°C	7.38	7.25
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	41.80 kW	41.30 kW
COP Tj = Tbiv	2.18	1.55
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	40.10 kW	37.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.87	1.28
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	58 °C	58 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	76 W	76 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.90 kW	9.10 kW
Annual energy consumption Qhe	24924 kWh	31333 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	48.00 kW	
SEER	4.86	
Pdc Tj = 35°C	48.00 kW	
EER Tj = 35°C	3.11	
Cdc Tj = 35 °C		
Pdc Tj = 30°C	35.40 kW	
EER Tj = 30°C	4.12	
Cdc Tj = 30 °C	1.000	
Pdc Tj = 25°C	27.02 kW	
EER Tj = 25°C	5.16	
Cdc Tj = 25 °C	1.000	
Pdc Tj = 20°C	28.95 kW	
EER Tj = 20°C	6.45	
Cdc Tj = 20 °C	1.000	
Poff	22 W	

PTO	0 W
PSB	28 W
PCK	0 W
Annual energy consumption Qce	5926 kWh