



Technical documentation-1/3

General description of the appliance		
Multi-split		
Outdoor side heat exchanger		
air		
Type of compressor driven		
Vapor compression		
Outdoor unit (1)		
TypeName	XCT8 4HP	
	38VS121188JCEE	
Indoor unit (1)		
TypeName	4-way Cassette	
	40VU012S-8S-TEE	
Indoor unit (3)		
TypeName	4-way Cassette	
	40VU009S-8S-TEE	

Indoor side heat exchanger		
air		
Driver of compressor		
electric motor		
Outdoor unit (2)		
TypeName	-	
	-	
Indoor unit (2)		
TypeName	4-way Cassette	
	40VU009S-8S-TEE	
Indoor unit (4)		
TypeName	4-way Cassette	
	40VU009S-8S-TEE	

Technical documentation-2/3

Function	
cooling	Y
heating	Y

Average	Y
Warmer	N
Colder	N

Item	symbol	value	unit
Design load			
Cooling	Pdesignc	12.1	kW
Heating	Pratedh	12.5	kW
heating/Average	Pdesignh	8.8	kW
heating/Warmer	Pdesignh	-	kW
heating/Colder	Pdesignh	-	kW

Item	symbol	value	unit
Seasonal efficiency			
Cooling	η_{sc}	354.20	%
	SEER	8.93	-
heating/Average	$\eta_{sh(A)}$	163.40	%
	SCOP(A)	4.16	-
heating/Warmer	$\eta_{sh(W)}$	-	%
	SCOP(W)	-	-
heating/Colder	$\eta_{sh(C)}$	-	%
	SCOP(C)	-	-

Declared capacity for cooling at indoor temperature 27(19)°C and outdoor temperature Tj.			
Tj=35°C	Pdc	12.10	kW
Tj=30°C	Pdc	9.02	kW
Tj=25°C	Pdc	6.16	kW
Tj=20°C	Pdc	6.04	kW
Degradation co-efficient	Cdc	0.25	

Declared Energy efficiency ratio for cooling at indoor temperature 27(19)°C and outdoor temperature Tj.			
Tj=35°C	EERd	4.03	-
Tj=30°C	EERd	6.45	-
Tj=25°C	EERd	10.99	-
Tj=20°C	EERd	17.60	-

Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7°C	Pdh	7.80	kW
Tj=2°C	Pdh	4.78	kW
Tj=7°C	Pdh	3.89	kW
Tj=12°C	Pdh	4.30	kW
Tj=bivalent temperature	Pdh	7.80	kW
Tj=operation limit	Pdh	5.43	kW
Degradation co-efficient	Cdh	0.25	

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj.			
Tj=-7°C	COPd	3.00	-
Tj=2°C	COPd	3.66	-
Tj=7°C	COPd	6.42	-
Tj=12°C	COPd	7.74	-
Tj=bivalent temperature	COPd	3.00	-
Tj=operation limit	COPd	2.50	-

Bivalent temperature			
heating/Average	Tbiv	-7	°C
heating/Warmer	Tbiv	-	°C
heating/Colder	Tbiv	-	°C

Operation limit temperature			
heating/Average	Tol	-20	°C
heating/Warmer	Tol	-	°C
heating/Colder	Tol	-	°C

Electric power input in power modes other than active mode			
off mode	Poff	0.015	kW
standby mode	Psb	0.015	kW
thermostat-off mode	Pto	0.000	kW
crankcase heater mode	Pck	0.000	kW

Supplementary heater		
elbu	-	kW

Capacity control	
Fixed	N
Strage	N
Variable	Y

Refrigerant		
Type	R410A	
Weight	6.40	kg
Global warming potential GWP	2088	kgCO2eq

Technical documentation-3/3

Sound power level		
outdoor unit (cooling)	67	dB(A)
outdoor unit (heating)	67	dB(A)
outdoor unit (cooling)		dB(A)
outdoor unit (heating)		dB(A)
outdoor unit (cooling)		dB(A)
outdoor unit (heating)		dB(A)

Rated air flow			
outdoor unit (cooling)	elbu	5660	m3/h
outdoor unit (heating)	elbu	5660	m3/h
outdoor unit (cooling)	elbu		m3/h
outdoor unit (heating)	elbu		m3/h
outdoor unit (cooling)	elbu		m3/h
outdoor unit (heating)	elbu		m3/h

Outdoor unit			
dimension	height	1235	mm
	width	990	mm
	depth	390	mm
weight		125	kg

Outdoor unit			
dimension	height		mm
	width		mm
	depth		mm
weight			kg

Outdoor unit			
dimension	height		mm
	width		mm
	depth		mm
weight			kg

Harmonised standard	EN 14511-3:2013
Calculation methods	PrEN 14825:2016
Measurement standards	
Contact details for obtaining more information	Carrier HVAC Equipment(Hangzhou)Co.,Ltd No.181, Weiken Street, Baiyang Block, Hangzhou Qiantang Area, Zhejiang Province, China