



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 6HP 38VS155188JCEE
Indoor unit (1)	
TypeName	4-way Cassette 40VU015S-8S-TEE
Indoor unit (3)	
TypeName	4-way Cassette 40VU012S-8S-TEE

Indoor side heat exchanger	
air	
Driver of compressor	
electric motor	
Outdoor unit (2)	
TypeName	- -
Indoor unit (2)	
TypeName	4-way Cassette 40VU015S-8S-TEE
Indoor unit (4)	
TypeName	4-way Cassette 40VU012S-8S-TEE

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Function	
cooling	Y
heating	Y

Average	Y
Warmer	N
Colder	N

Item	symbol	value	unit
Design load			
Cooling	Pdesignc	15,5	kW
Heating	Pratedh	18,0	kW
heating/Average	Pdesignh	12,6	kW
heating/Warmer	Pdesignh	-	kW
heating/Colder	Pdesignh	-	kW

Item	symbol	value	unit
Seasonal efficiency			
Cooling	η_{sc}	371,40	%
	SEER	9,36	-
heating/Average	$\eta_{h,av}$	167,40	%
	SCOP(A)	4,26	-
heating/Warmer	$\eta_{h,w}$	-	%
	SCOP(W)	-	-
heating/Colder	$\eta_{h,c}$	-	%
	SCOP(C)	-	-

Declared capacity for cooling at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	15,50	kW
Tj=30°C	Pdc	11,44	kW
Tj=25°C	Pdc	7,46	kW
Tj=20°C	Pdc	6,50	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	3,44	-
Tj=30°C	EERd	6,31	-
Tj=25°C	EERd	12,30	-
Tj=20°C	EERd	20,60	-

Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7°C	Pdh	11,22	kW
Tj=2°C	Pdh	6,81	kW
Tj=7°C	Pdh	4,43	kW
Tj=12°C	Pdh	4,35	kW
Tj=bivalent temperature	Pdh	11,22	kW
Tj=operation limit	Pdh	7,81	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	2,53	-
Tj=2°C	COPd	3,86	-
Tj=7°C	COPd	6,86	-
Tj=12°C	COPd	7,99	-
Tj=bivalent temperature	COPd	2,53	-
Tj=operation limit	COPd	2,16	-

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

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Sound power level			
outdoor unit (cooling)		68	dB(A)
outdoor unit (heating)		70	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	6050	m ³ /h
outdoor unit (heating)	elbu	6050	m ³ /h
outdoor unit (cooling)			m ³ /h
outdoor unit (heating)			m ³ /h
outdoor unit (cooling)			m ³ /h
outdoor unit (heating)			m ³ /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
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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
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