



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 8HP 38VS224188JCEE
Indoor unit (1)	
TypeName	4-way Cassette 40VU018S-8S-TEE
Indoor unit (3)	
TypeName	4-way Cassette 40VU018S-8S-TEE

Indoor side heat exchanger	
	air
Driver of compressor	
	electric motor
Outdoor unit (2)	
TypeName	- -
Indoor unit (2)	
TypeName	4-way Cassette 40VU018S-8S-TEE
Indoor unit (4)	
TypeName	4-way Cassette 40VU018S-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	22.4	kW
Heating	Pratedh	22.4	kW
heating/Average	Pdesignh	15.7	kW
heating/Warmer	Pdesignh	-	kW
heating/Colder	Pdesignh	-	kW

Item	symbol	value	unit
Seasonal efficiency			
Cooling	η_{sc} SEER	312.60 7.89	% -
heating/Average	$\eta_{sh(A)}$ SCOP(A)	159.00 4.05	% -
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	22.40	kW
Tj=30°C	Pdc	16.51	kW
Tj=25°C	Pdc	10.61	kW
Tj=20°C	Pdc	8.80	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	3.34	-
Tj=30°C	EERd	5.20	-
Tj=25°C	EERd	9.78	-
Tj=20°C	EERd	17.00	-

Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7°C	Pdh	13.89	kW
Tj=2°C	Pdh	8.45	kW
Tj=7°C	Pdh	5.43	kW
Tj=12°C	Pdh	6.40	kW
Tj=bivalent temperature	Pdh	13.89	kW
Tj=operation limit	Pdh	8.64	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	2.56	-
Tj=2°C	COPd	3.60	-
Tj=7°C	COPd	6.51	-
Tj=12°C	COPd	7.30	-
Tj=bivalent temperature	COPd	2.56	-
Tj=operation limit	COPd	2.31	-

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		4.40	kg
Global warming potential GWP		2088	kgCO2eq

Technical documentation-3/3

Sound power level			
outdoor unit (cooling)		75	dB(A)
outdoor unit (heating)		75	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	8460	m3/h
outdoor unit (heating)	elbu	8460	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		1740	mm
width		990	mm
depth		390	mm
weight		147	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
--	---