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General description of the appliance	
	Multi-split

Outdoor side heat exchanger	
	air

Type of compressor driven	
	Vapor compression

Outdoor unit (1)	
TypeName	XCT8 5HP 38VS140188JCEE

Indoor unit (1)	
TypeName	4-way Cassette 40VU012S-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 40VU012S-8S-TEE

Indoor unit (4)	
TypeName	4-way Cassette 40VU012S-8S-TEE

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Function	
cooling	Y
heating	Y

Item	symbol	value	unit
Design load			
Cooling	Pdesignc	14.0	kW
Heating	Pratedh	16.0	kW
heating/Average	Pdesignh	11.2	kW
heating/Warmer	Pdesignh	-	kW
heating/Colder	Pdesignh	-	kW

Declared capacity for cooling at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	14.00	kW
Tj=30°C	Pdc	10.35	kW
Tj=25°C	Pdc	6.65	kW
Tj=20°C	Pdc	6.04	kW
Degradation co-efficient	Cdc	0.25	

Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7°C	Pdh	9.94	kW
Tj=2°C	Pdh	6.02	kW
Tj=7°C	Pdh	3.89	kW
Tj=12°C	Pdh	4.30	kW
Tj=bivalent temperature	Pdh	9.94	kW
Tj=operation limit	Pdh	6.94	kW
Degradation co-efficient	Cdh	0.25	

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

Capacity control	
Fixed	N
Strage	N
Variable	Y

Average		Y
Warmer		N
Colder		N

Item	symbol	value	unit
Seasonal efficiency			
Cooling	η_{sc}	353.80	%
	SEER	8.92	-
heating/Average	$\eta_{sh(A)}$	165.80	%
	SCOP(A)	4.22	-
heating/Warmer	$\eta_{sh(W)}$	-	%
	SCOP(W)	-	-
heating/Colder	$\eta_{sh(C)}$	-	%
	SCOP(C)	-	-

Declared Energy efficiency ratio for cooling at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	EERd	3.50	-
Tj=30°C	EERd	6.15	-
Tj=25°C	EERd	11.47	-
Tj=20°C	EERd	18.83	-

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	COPd	2.71	-
Tj=2°C	COPd	3.83	-
Tj=7°C	COPd	6.39	-
Tj=12°C	COPd	7.71	-
Tj=bivalent temperature	COPd	2.71	-
Tj=operation limit	COPd	2.25	-

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

Supplementary heater		
elbu	-	kW

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)	69	dB(A)
outdoor unit (cooling)		dB(A)
outdoor unit (heating)		dB(A)
outdoor unit (cooling)		dB(A)
outdoor unit (heating)		dB(A)

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	

Rated air flow			
outdoor unit (cooling)	elbu	5820	m3/h
outdoor unit (heating)	elbu	5820	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		mm	
width		mm	
depth		mm	
weight		kg	

Harmonised standard	EN 14511-3:2013
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Calculation methods	PrEN 14825:2016
Measurement standards	

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