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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 10HP
	38VS280188JCEE
Indoor unit (1)	
TypeName	4-way Cassette
	40VU024S-8S-TEE
Indoor unit (3)	
TypeName	4-way Cassette
	40VU024S-8S-TEE

Indoor side heat exchanger	
	air
Driver of compressor	
	electric motor
Outdoor unit (2)	
TypeName	-
	-
Indoor unit (2)	
TypeName	4-way Cassette
	40VU024S-8S-TEE
Indoor unit (4)	
TypeName	4-way Cassette
	40VU024S-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	28.0	kW
Heating	Pratedh	28.0	kW
heating/Average	Pdesignh	18.0	kW
heating/Warmer	Pdesignh	-	kW
heating/Colder	Pdesignh	-	kW

Item	symbol	value	unit
Seasonal efficiency			
Cooling	η_{sc}	287.00	%
	SEER	7.25	-
heating/Average	$\eta_{sh(A)}$	173.00	%
	SCOP(A)	4.40	-
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	28.00	kW
Tj=30°C	Pdc	20.63	kW
Tj=25°C	Pdc	13.26	kW
Tj=20°C	Pdc	9.29	kW
Degradation co-efficient	Cdc	0.25	

Declared Energy efficiency ratio for cooling at indoor temperatur 27(19)°C and outdoor temperature Tj.			
Tj=35°C	EERd	2.95	-
Tj=30°C	EERd	4.75	-
Tj=25°C	EERd	8.50	-
Tj=20°C	EERd	17.65	-

Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7°C	Pdh	15.92	kW
Tj=2°C	Pdh	9.69	kW
Tj=7°C	Pdh	6.23	kW
Tj=12°C	Pdh	5.99	kW
Tj=bivalent temperature	Pdh	15.92	kW
Tj=operation limit	Pdh	8.75	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	2.48	-
Tj=2°C	COPd	4.06	-
Tj=7°C	COPd	7.19	-
Tj=12°C	COPd	7.84	-
Tj=bivalent temperature	COPd	2.48	-
Tj=operation limit	COPd	2.61	-

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	0.017	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

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Sound power level		
outdoor unit (cooling)	77	dB(A)
outdoor unit (heating)	77	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	8820	m3/h
outdoor unit (heating)	elbu	8820	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	width	1740	mm
	depth	990	mm
		390	mm
weight		147	kg

Outdoor unit dimension			
height	width	-	mm
	depth	-	mm
		-	mm
weight		-	kg

Outdoor unit dimension			
height	width	-	mm
	depth	-	mm
		-	mm
weight		-	kg

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