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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	Concealed Duct 40VD024S-8S-TEE

Indoor unit (3)	
TypeName	Concealed Duct 40VD024S-8S-TEE

Indoor side heat exchanger	
	air

Driver of compressor	
	electric motor

Outdoor unit (2)	
TypeName	- -

Indoor unit (2)	
TypeName	Concealed Duct 40VD024S-8S-TEE

Indoor unit (4)	
TypeName	Concealed Duct 40VD024S-8S-TEE

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Function	
cooling	Y
heating	Y

Item	symbol	value	unit
Design load			
Cooling	Pdesignc	28.0	kW
Heating	Pratedh	28.0	kW
heating/Average	Pdesignh	16.8	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	28.00	kW
Tj=30°C	Pdc	20.63	kW
Tj=25°C	Pdc	13.26	kW
Tj=20°C	Pdc	8.58	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	14.86	kW
Tj=2°C	Pdh	9.05	kW
Tj=7°C	Pdh	5.82	kW
Tj=12°C	Pdh	6.41	kW
Tj=bivalent temperature	Pdh	14.86	kW
Tj=operation limit	Pdh	8.74	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}	269.40	%
	SEER	6.81	-
heating/Average	$\eta_{sh(A)}$	166.60	%
	SCOP(A)	4.24	-
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	2.95	-
Tj=30°C	EERd	4.30	-
Tj=25°C	EERd	7.79	-
Tj=20°C	EERd	17.50	-

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj.			
Tj=-7°C	COPd	2.55	-
Tj=2°C	COPd	3.81	-
Tj=7°C	COPd	7.01	-
Tj=12°C	COPd	7.43	-
Tj=bivalent temperature	COPd	2.55	-
Tj=operation limit	COPd	2.40	-

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

Supplementary heater	
elbu	- kW

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)

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

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	- mm
width	- mm
depth	- mm
weight	- kg

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