



# Technical document

Suppliers name				a general description of the appliance			
Name		CARRIER JAPAN CORPORATION		Multi split type air conditioner			
Address		336 TADEHARA, FUJI-SHI, SHIZUOKA-KEN, JAPAN					

  

outdoor unit			
Type	XCT8 18HP		
name	38VT022188HTEE		

  

indoor unit				indoor unit(2)			
Type	4way cassette			Type	4way cassette		
name	40VU024S-8S-TEE			name	40VU024S-8S-TEE		

  

indoor unit(3)				indoor unit(4)			
Type	4way cassette			Type	4way cassette		
name	40VU024S-8S-TEE			name	40VU024S-8S-TEE		

  

indoor unit(5)				indoor unit(6)			
Type	4way cassette			Type	4way cassette		
name	40VU018S-8S-TEE			name	40VU018S-8S-TEE		

  

indoor unit(7)				indoor unit(8)			
Type	4way cassette			Type	4way cassette		
name	40VU018S-8S-TEE			name	40VU018S-8S-TEE		

  

Power consumption of cycling				Efficiency of cycling			
cooling	Pcycc	x , x	kW	cooling	EERcyc	x , x	-
heating	Pcych	x , x	kW	heating	COPcyc	x , x	-

  

Degradation co-efficient				Degradation co-efficient			
cooling	Cdc	0,25	-	Heating	Cdc	0,25	-

U18



Function(indicate which function applies to the information)		If function applies to heating: Indicate the heating season the information relates to. Information should relate to one heating season at a time. Include at least the heating season 'Average'	
cooling	Y	Average(mandatory)	Y
heating	Y	Warmer(if designated)	N
		Colder(if designated)	N

Item	symbol	value	unit
Design load			
cooling	Pdesignc	50,4	kW
heating/Average	Pdesignh	27,9	kW
heating/Warmer	Pdesignh	x , x	kW
heating/Colder	Pdesignh	x , x	kW

Item	symbol	value	unit
Seasonal efficiency			
cooling	ηsc	281,4	%
	SEER	7,11	-
heating/Average	ηsh(A)	175,0	%
	SCOP(A)	4,45	-
heating/Warmer	ηsh(W)	x x x , x	%
	SCOP(W)	x , x x	-
heating/Colder	ηsh(C)	x x x , x	%
	SCOP(C)	x , x x	-

Declared capacity for cooling at indoor temperature 27(19)°C and outdoor temperature Tj.			
Tj=35°C	Pdc	50,40	kW
Tj=30°C	Pdc	37,14	kW
Tj=25°C	Pdc	23,87	kW
Tj=20°C	Pdc	10,61	kW

Declared Energy efficiency ratio for cooling at indoor temperature 27(19)°C and outdoor temperature Tj.			
Tj=35°C	EERd	2,33	-
Tj=30°C	EERd	4,40	-
Tj=25°C	EERd	8,43	-
Tj=20°C	EERd	22,10	-

Declared capacity for heating/Average climate, at indoor temperature 20°C and outdoor temperature Tj.			
Tj=-7°C	Pdh	24,68	kW
Tj=2°C	Pdh	15,02	kW
Tj=7°C	Pdh	9,66	kW
Tj=12°C	Pdh	6,47	kW
Tj=bivalent temperature	Pdh	24,68	kW
Tj=operation limit	Pdh	23,52	kW

Declared coefficient of performance for heating/Average climate, at indoor temperature 20°C and outdoor temperature Tj.			
Tj=-7°C	COPd	2,70	-
Tj=2°C	COPd	3,95	-
Tj=7°C	COPd	7,00	-
Tj=12°C	COPd	9,51	-
Tj=bivalent temperature	COPd	2,70	-
Tj=operation limit	COPd	1,62	-

Declared capacity for heating/Warmer climate, at indoor temperature 20°C and outdoor temperature Tj.			
Tj=2°C	Pdh	x , x x	kW
Tj=7°C	Pdh	x , x x	kW
Tj=12°C	Pdh	x , x x	kW
Tj=bivalent temperature	Pdh	x , x x	kW
Tj=operation limit	Pdh	x , x x	kW

Declared coefficient of performance for heating/Warmer climate, at indoor temperature 20°C and outdoor temperature Tj.			
Tj=2°C	COPd	x , x x	-
Tj=7°C	COPd	x , x x	-
Tj=12°C	COPd	x , x x	-
Tj=bivalent temperature	COPd	x , x x	-
Tj=operation limit	COPd	x , x x	-

Declared capacity for heating/Colder climate, at indoor temperature 20°C and outdoor temperature Tj.			
Tj=-7°C	Pdh	x , x x	kW
Tj=2°C	Pdh	x , x x	kW
Tj=7°C	Pdh	x , x x	kW
Tj=12°C	Pdh	x , x x	kW
Tj=bivalent temperature	Pdh	x , x x	kW
Tj=operation limit	Pdh	x , x x	kW
Tj=-15°C	Pdh	x , x x	kW

Declared coefficient of performance for heating/Colder climate, at indoor temperature 20°C and outdoor temperature Tj.			
Tj=-7°C	COPd	x , x x	-
Tj=2°C	COPd	x , x x	-
Tj=7°C	COPd	x , x x	-
Tj=12°C	COPd	x , x x	-
Tj=bivalent temperature	COPd	x , x x	-
Tj=operation limit	COPd	x , x x	-
Tj=-15°C	COPd	x , x x	-

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

Operation limit temperature			
heating/Average	Tol	-25	°C
heating/Warmer	Tol	x , x x	°C
heating/Colder	Tol	x , x x	°C

Electric power input in power modes other than "on mode"			
off mode	Poffc	0,018	kW
stanby mode	Psbc	0,018	kW
thermostat-off mode	Ptoc	0,005	kW
crankcase heater mode	Pckc	0,005	kW

Seasonal electricity consumption			
cooling	QCE	4252	kWh/a
heating/Average	QHE/A	8776	kWh/a
heating/Warmer	QHE/B	x	kWh/a
heating/Colder	QHE/C	x	kWh/a



Electric power input in power modes other than "on mode"				Supplementary heater			
off mode	Poffh	0,025	kW	back-up heating capacity	elbu	3,41	kW
standby mode	Psbh	0,025	kW				
thermostat-off mode	Ptoh	0,025	kW				
crankcase heater mode	Pckh	0,001	kW				
Capacity control(indicate one of three options)				Refrigerant			
Fixed	N			Type	R410A		
strage	N			Weight	9,0	kg	
variable	Y			Global warming potential	GWP	2088	kgCO2eq.
Sound power level				Rated air flow			
Sound power level(outdoor/cool)	86,0		dB(A)	Rated air flow(outdoor/cool)	17700	m3/h	
Sound power level(outdoor/heat)	90,0		dB(A)	Rated air flow(outdoor/heat)	17700	m3/h	
				outdoor unit			
				dimension	height	1690	mm
					width	1290	mm
					depth	780	mm
				weight	267	kg	
Harmonised standard		EN14511-3 : 2013					
Calculation methods		PrEN 14825 : 2016					
Measurement standards							
Contact details for obtaining more information		Importer/Distributor in EU:					

Where the information included in the technical documentation file for a particular air conditioner model has been obtained by calculation on the basis of design, or extrapolation from other equivalent appliances, or both, the documentation shall include details of such calculations or extrapolations, or both, and of tests undertaken by suppliers to verify the accuracy of the calculations undertaken.

The information shall also include a list of all other equivalent appliance models where the information was obtained on the same basis.