Technical Document



Appliance - Split type air conditioner								Dir	ective	2009/125
Supplier										Carrier
Outdoor unit									38WHS	M025A1A0T
ndoor unit 1							40WHMW025D1A0TE			
Capacity control								Variable		
Cooling										
Design load			Pd	esignc			kW			2.5
Seasonal efficiency		SEER							7.00	
easonal electricity consumption (*)		Qce kWh/annum						125		
Degradation co-efficient cooling		Cdc -					-			
Declared capacity for cooling, at indoor te emperature Tj	emperature 27(2	ure 27(19) °C and outdoor Declared energy efficiency ratio, at indoor temperature 27(19) °C and temperature Tj				and outdoor				
-j = 35°C	Pdc	kW	2.50			Tj = 35°C		Pdc	kW	3.57
-j = 30°C	Pdc	kW	1.84			Tj = 30°C		Pdc	kW	5.82
-j = 25°C	Pdc	kW	1.18			Tj = 25°C		Pdc	kW	9.01
	Pdc	kW	1.10			Tj = 20°C		Pdc	kW	10.70
Heating						Average climate	Colder climate		Wa	rmer climate
Design load			Pde	esignh	kW	2.4	-			1.3
easonal efficiency			S	СОР		4.60	-			5.40
easonal electricity consumption (*)			(Qhe kW	/h/annu	m 730	-			338
ivalent temperature					°C	-7.0	-15.0			2.0
peration limit temperature					°C	-15.0	-15.0			-15.0
Degradation co-efficient heating			(Cdh		-				
Declared capacity for heating/Average season, at emperature Tj	: indoor temperatu	ıre 20 °C	and outdoo	г		Declared coefficient of performation outdoor temperature Tj	nnce/Average season, at	indoor t	emperati	ure 20 °C and
-j = -7 °C	Pdh	kW	2.12			Tj = -7 °C		Pdh	kW	2.82
;j = +2 °C	Pdh	kW	1.29			Tj = +2 °C		Pdh	kW	4.88
;j = +7 °C	Pdh	kW	0.83			Tj = +7 °C		Pdh	kW	5.63
;j = +12 °C	Pdh	kW	1.08			Tj = +12 °C		Pdh	kW	6.86
j = bivalent temperature	Pdh	kW	2.12			Tj = bivalent temperature			kW	
						rj – bivalerit temperature		Pdh	I V V	2.82
j = operation limit temperature	Pdh	kW	1.75			Tj = operation limit temperati	ure	Pdh	kW	2.82
Electricity	Pdh					Tj = operation limit temperati	ıre	Pdh	kW	2.40
Electricity off mode	Pdh	kW	0.001			Tj = operation limit temperate	ure	Pdh Psb	kW	2.40
Electricity off mode hermostat-off mode	Pdh					Tj = operation limit temperation standby mode Crankcase heater mode	ure	Pdh	kW	0.001 0.000
flectricity ff mode nermostat-off mode lack up heating capacity	Pdh Poff Pto	kW kW	0.001		kW	Tj = operation limit temperate	ure -	Pdh Psb	kW	0.001
Electricity Iff mode thermostat-off mode Back up heating capacity Declared capacity for heating, at indoor tem	Pdh Poff Pto	kW kW	0.001 0.019 door temper		j.	Tj = operation limit temperation limit temperati	ure -	Pdh Psb	kW	2.40 0.001 0.000 0.000
ilectricity ff mode hermostat-off mode sack up heating capacity Declared capacity for heating, at indoor tem j = -7 °C	Pdh Poff Pto	kW kW	0.001 0.019 door temper	Pdh	j. kW	Tj = operation limit temperation standby mode Crankcase heater mode 0.420	-	Pdh Psb	kW	0.001 0.000 0.000
Electricity Iff mode Thermostat-off mode Back up heating capacity Declared capacity for heating, at indoor tem If = -7 °C If = +2 °C	Pdh Poff Pto	kW kW	0.001 0.019 door temper	Pdh Pdh	j. kW kW	standby mode Crankcase heater mode 0.420 2.12 1.29	- - -	Pdh Psb	kW	2.40 0.001 0.000 0.000
ilectricity ff mode hermostat-off mode lack up heating capacity Declared capacity for heating, at indoor tem ij = -7 °C ij = +2 °C ij = +7 °C	Pdh Poff Pto	kW kW	0.001 0.019 door temper	Pdh Pdh Pdh	kW kW kW	standby mode Crankcase heater mode 0.420 2.12 1.29 0.83	-	Pdh Psb	kW	2.40 0.001 0.000 0.000 - 1.30 0.84
ilectricity ff mode hermostat-off mode sack up heating capacity Declared capacity for heating, at indoor tem $j = -7 ^{\circ} C$ $j = +2 ^{\circ} C$ $j = +7 ^{\circ} C$ $j = +12 ^{\circ} C$	Pdh Poff Pto	kW kW	0.001 0.019 door temper	Pdh Pdh Pdh Pdh	kW kW kW kW	standby mode Crankcase heater mode 0.420 2.12 1.29 0.83 1.08	- - - -	Pdh Psb	kW	2.40 0.001 0.000 0.000 - 1.30 0.84 1.08
Electricity off mode	Pdh Poff Pto	kW kW	0.001 0.019 door temper	Pdh Pdh Pdh	kW kW kW	standby mode Crankcase heater mode 0.420 2.12 1.29 0.83	-	Pdh Psb	kW	2.40 0.001 0.000 0.000 - 1.30 0.84

 $^{(*) \} Based on \ standard \ test \ results. \ Actual \ energy \ consumption \ will \ depend \ on \ how \ the \ appliance \ is \ used \ and \ where \ it \ is \ located$

Refrigerant

Туре		R32
Global Warming Potential	GWP kgCO2ea	675

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional

Sound power level		Cooling	Heating
Outdoor unit	dB	60	62
Indoor unit 40WHMW025D1A0TEE	dB	52	52
Rated air flow		Cooling	Heating
Outdoor unit	m3/h	1800	1800

Dimensions	Height	Width	Depth	Weight (kg)
Outdoor unit	m3/h		1800	1800
Indoor unit 40WHMW025D1A0TEE	m3/h		510	510

m3/h

510

510

Harmonised standard EN14511:2007, EN12102

Indoor unit 40WHMW025D1A0TEE

Calculation methods - Measurement standards EN14511:2007, EN12102

Contact details

RIELLO Spa

Via Ing. Pilade Riello, 7 - 37045 Legnago (VR), Italy