## **Technical Document**



Appliance - Split type air conditioner							Dir	ective	2009/125/
Supplier									Carrier
Outdoor unit								38WHS	M050A1A0TE
Indoor unit 1					40WHMW050D1A0TEE				
Capacity control									Variable
Cooling									
Design load			Pdesigno			kW			5.0
Seasonal efficiency		SEER						7.00	
Seasonal electricity consumption (*)		Qce kWh/annum						250	
Degradation co-efficient cooling		Cdc -					-		
Declared capacity for cooling, at indoor ter temperature Ti	mperature 27(	19) °C á	and outdoor	utdoor Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature Tj				and outdoor	
Tj = 35°C	Pdc	kW	5.00		Tj = 35°C		Pdc	kW	3.33
Tj = 30°C	Pdc	kW	3.68		Tj = 30°C		Pdc	kW	5.36
Tj = 25°C	Pdc	kW	2.37		Tj = 25°C		Pdc	kW	8.45
Tj = 20°C	Pdc	kW	1.20		Tj = 20°C		Pdc	kW	12.25
Heating					Average climate	Colder climate		War	mer climate
Design load			Pdesignh	kW	3.8	-		v v ai	2.0
Seasonal efficiency			SCOP	1.4.4	4.40	_			5.60
Seasonal electricity consumption (*)				Wh/anni					511
Bivalent temperature			QIIO II	°C	-7.0	-15.0			2.0
·				°C.	-15.0	-15.0			-15.0
Operation limit temperature			Cdh	°C	-15.0 -	-15.0			-15.0
Operation limit temperature Degradation co-efficient heating  Average climate Declared capacity for heating/Average season, at temperature Tj			and outdoor	°C	- Declared coefficient of perform outdoor temperature Tj				ure 20 °C and
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C	Pdh	kW	and outdoor	°C	Declared coefficient of perform outdoor temperature Tj		Pdh	kW	ure 20 °C and
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C	Pdh Pdh	kW kW	3.36 2.05	°C	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C		Pdh Pdh	kW kW	2.65 4.43
Operation limit temperature Degradation co-efficient heating  Average climate Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C	Pdh Pdh Pdh	kW kW	3.36 2.05 1.32	°C	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C		Pdh Pdh Pdh	kW kW kW	2.65 4.43 5.90
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C	Pdh Pdh Pdh Pdh	kW kW kW	3.36 2.05 1.32 1.00	°C	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C		Pdh Pdh Pdh Pdh	kW kW kW	2.65 4.43 5.90 7.00
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature	Pdh Pdh Pdh Pdh Pdh	kW kW kW kW	3.36 2.05 1.32 1.00 3.36	°C	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh	kW kW kW kW	2.65 4.43 5.90 7.00 2.65
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature	Pdh Pdh Pdh Pdh	kW kW kW	3.36 2.05 1.32 1.00	°C	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C	nance/Average season, at	Pdh Pdh Pdh Pdh	kW kW kW	2.65 4.43 5.90 7.00
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = bivalent temperature  Tj = operation limit temperature	Pdh Pdh Pdh Pdh Pdh	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40	°C	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  Electricity  off mode	Pdh Pdh Pdh Pdh Pdh Pdh Pdh	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40	°C	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperat	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00
Operation limit temperature  Degradation co-efficient heating  Average climate Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  Electricity off mode  thermostat-off mode	Pdh Pdh Pdh Pdh Pdh	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40		Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperat  standby mode  Crankcase heater mode	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00
Operation limit temperature  Degradation co-efficient heating  Average climate Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  Electricity off mode  thermostat-off mode	Pdh Pdh Pdh Pdh Pdh Pdh Pdh	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40	°C	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperat	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = bivalent temperature  Tj = operation limit temperature  Electricity off mode  thermostat-off mode  Back up heating capacity  Declared capacity for heating, at indoor temp	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pto	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40  0.001 0.039	kW	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperat  standby mode  Crankcase heater mode  0.800	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00
Operation limit temperature  Degradation co-efficient heating  Average climate Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  Electricity off mode thermostat-off mode  Back up heating capacity  Declared capacity for heating, at indoor temp	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pto	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40  0.001 0.039	kW	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  standby mode  Crankcase heater mode  0.800	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00  0.001 0.000 0.000
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  Electricity off mode  thermostat-off mode  Back up heating capacity  Declared capacity for heating, at indoor temperature  Tj = -7 °C  Tj = +2 °C	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pto	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40  0.001 0.039	kW	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = bivalent temperature  Tj = operation limit temperature  standby mode  Crankcase heater mode  0.800  3.36  2.05	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00  0.001 0.000 0.000
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  Electricity off mode  thermostat-off mode  Back up heating capacity  Declared capacity for heating, at indoor temperature  Tj = -7 °C  Tj = +2 °C  Tj = +2 °C  Tj = +2 °C	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pto	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40  0.001 0.039	kW	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  standby mode  Crankcase heater mode  0.800	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00  0.001 0.000 0.000
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  Electricity  off mode  thermostat-off mode  Back up heating capacity  Declared capacity for heating, at indoor temperature  Tj = -7 °C  Tj = +2 °C  Tj = +2 °C  Tj = +2 °C  Tj = +7 °C	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pto	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40  0.001 0.039  loor temperature Tell Pdh Pdh	kW Fj. kW	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = bivalent temperature  Tj = operation limit temperature  standby mode  Crankcase heater mode  0.800  3.36  2.05	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00  0.001 0.000 - 2.05
Operation limit temperature  Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  Electricity  off mode  thermostat-off mode  Back up heating capacity  Declared capacity for heating, at indoor temperature  Tj = -7 °C  Tj = +2 °C  Tj = +2 °C  Tj = +2 °C  Tj = +12 °C  Tj = +7 °C  Tj = +12 °C	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pto	kW kW kW kW kW	3.36 2.05 1.32 1.00 3.36 2.40  0.001 0.0039  loor temperature	kW  Tj.  kW  kW	Declared coefficient of perform outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperat  standby mode  Crankcase heater mode  0.800  3.36  2.05  1.32	nance/Average season, at	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.65 4.43 5.90 7.00 2.65 2.00  0.001 0.000  - 2.05 1.32

 $<sup>(*) \</sup> Based on standard \ test \ results. \ Actual \ energy \ consumption \ will \ depend \ on \ how \ the \ appliance \ is \ used \ and \ where \ it \ is \ located$ 

## 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	61	62
Indoor unit 40WHMW050D1A0TEE	dB	54	57
Rated air flow		Cooling	Heating
	m3/h	Cooling 1660	Heating 1800
Rated air flow Outdoor unit Indoor unit 40WHMW050D1A0TEE	m3/h m3/h	-	

Dimensions	Height	Width	Depth	Weight (kg)
Outdoor unit	m3/h		1660	1800
Indoor unit 40WHMW050D1A0TEE	m3/h		640	780

Harmonised standard EN14511:2007, EN12102

Calculation methods - Measurement standards EN14511:2007, EN12102

## Contact details

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