## **Technical Document**



							Dir	ective	2009/125
Supplier									Carrier
Outdoor unit								38WHS	SM035A1A0
Indoor unit 1							4	MHWOH	1W035D1A0
Capacity control									Variable
Cooling									
Design load			Pdesignc			kW			3.3
Seasonal efficiency		SEER						7.00	
Seasonal electricity consumption (*)		Qce kWh/annum						165	
Degradation co-efficient cooling		Cdc						-	
Declared capacity for cooling, at indoor ter temperature Tj	mperature 27(	19) °C a	and outdoor		Declared energy efficiency ratemperature Tj	atio, at indoor tempera	ture 27	′(19) °C	and outdoor
Tj = 35°C	Pdc	kW	3.30		Tj = 35°C		Pdc	kW	3.30
Tj = 30°C	Pdc	kW	2.43		Tj = 30°C		Pdc	kW	5.40
Tj = 25°C	Pdc	kW	1.56		Tj = 25°C		Pdc	kW	9.35
Tj = 20°C	Pdc	kW	1.45		Tj = 20°C		Pdc	kW	12.45
Heating					Average climate	Colder climate		Wai	rmer climate
Design load			Pdesignh	kW	2.7	-			1.5
Seasonal efficiency			SCOP		4.60	-			5.30
Seasonal electricity consumption (*)			Qhe kV	Vh/annı	um 822	-			389
Bivalent temperature				°C	-7.0	-15.0			2.0
Operation limit temperature				°C	-15.0	-15.0			-15.0
The state of the s									
Degradation co-efficient heating			Cdh		-				
Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj		ure 20 °C	C and outdoor		Declared coefficient of perform outdoor temperature Tj	ance/Average season, at			
Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C	indoor temperati Pdh	ure 20°C kW			outdoor temperature Tj Tj = -7 °C	ance/Average season, at	Pdh	kW	2.95
Degradation co-efficient heating  Average climate  Declared capacity for heating/Average season, at temperature Tj  Tj = -7 °C			C and outdoor		outdoor temperature Tj	ance/Average season, at			
Degradation co-efficient heating  Average climate Declared capacity for heating/Average season, at temperature $Tj$ $Tj = -7 ^{\circ}C$ $Tj = +2 ^{\circ}C$ $Tj = +7 ^{\circ}C$	Pdh	kW kW	2.39 1.45 0.93		outdoor temperature Tj $Tj = -7 ^{\circ}C$ $Tj = +2 ^{\circ}C$ $Tj = +7 ^{\circ}C$	ance/Average season, at	Pdh Pdh Pdh	kW kW	2.95 4.85 5.60
Degradation co-efficient heating  Average climate Declared capacity for heating/Average season, at temperature $Tj$ $Tj = -7 ^{\circ}C$ $Tj = +2 ^{\circ}C$ $Tj = +7 ^{\circ}C$	Pdh Pdh	kW kW	2.39 1.45		outdoor temperature Tj $Tj = -7  ^{\circ}C$ $Tj = +2  ^{\circ}C$	ance/Average season, at	Pdh Pdh	kW kW	2.95 4.85
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	Pdh Pdh Pdh	kW kW	2.39 1.45 0.93		outdoor temperature Tj $Tj = -7 ^{\circ}C$ $Tj = +2 ^{\circ}C$ $Tj = +7 ^{\circ}C$	ance/Average season, at	Pdh Pdh Pdh	kW kW	2.95 4.85 5.60
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	Pdh Pdh Pdh Pdh	kW kW kW	2.39 1.45 0.93 1.12		outdoor temperature Tj $Tj = -7 ^{\circ}\text{C}$ $Tj = +2 ^{\circ}\text{C}$ $Tj = +7 ^{\circ}\text{C}$ $Tj = +12 ^{\circ}\text{C}$		Pdh Pdh Pdh Pdh	kW kW kW	2.95 4.85 5.60 6.85
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	2.39 1.45 0.93 1.12 2.39 1.80		outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature		Pdh Pdh Pdh Pdh Pdh Pdh	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40
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 Pdh	kW kW kW kW kW	2.39 1.45 0.93 1.12 2.39 1.80		outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  standby mode		Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40
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	2.39 1.45 0.93 1.12 2.39 1.80	laar.	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		Pdh Pdh Pdh Pdh Pdh Pdh	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40 0.001
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	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pth	kW kW kW kW kW	2.39 1.45 0.93 1.12 2.39 1.80  0.001 0.037	kW	outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  standby mode		Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40
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 Pth	kW kW kW kW kW	2.39 1.45 0.93 1.12 2.39 1.80  0.001 0.037	j.	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  0.530		Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40 0.001
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	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pth	kW kW kW kW kW	2.39 1.45 0.93 1.12 2.39 1.80  0.001 0.037	j. kW	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  0.530	ure -	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40  0.001 0.000 0.000
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 Pth	kW kW kW kW kW	2.39 1.45 0.93 1.12 2.39 1.80  0.001 0.037  door temperature T Pdh Pdh	kW kW	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  0.530  2.39  1.45		Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40  0.001 0.000 0.000
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  Tj = -7 °C  Tj = +2 °C  Tj = +2 °C  Tj = +7 °C	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pth	kW kW kW kW kW	2.39 1.45 0.93 1.12 2.39 1.80  0.001 0.0037  door temperature T Pdh Pdh Pdh	kW kW kW	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  0.530  2.39  1.45  0.93	ure -	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40  0.001 0.000  - 1.45 0.93
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  Tj = -7 °C  Tj = +2 °C  Tj = +2 °C  Tj = +7 °C  Tj = +7 °C  Tj = +7 °C	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pth	kW kW kW kW kW	2.39 1.45 0.93 1.12 2.39 1.80  0.001 0.037  door temperature T Pdh Pdh Pdh Pdh	kW kW kW kW	outdoor temperature Tj  Tj = -7 °C  Tj = +2 °C  Tj = +7 °C  Tj = +12 °C  Tj = bivalent temperature  Tj = operation limit temperature  standby mode  Crankcase heater mode  0.530  2.39  1.45  0.93  1.12	ure -	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40  0.001 0.000  - 1.45 0.93 1.12
· · · · · · · · · · · · · · · · · · ·	Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pth	kW kW kW kW kW	2.39 1.45 0.93 1.12 2.39 1.80  0.001 0.0037  door temperature T Pdh Pdh Pdh	kW kW kW	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  0.530  2.39  1.45  0.93	ure - - -	Pdh Pdh Pdh Pdh Pdh Pdh Psb	kW kW kW kW kW	2.95 4.85 5.60 6.85 2.95 2.40  0.001 0.000  - 1.45 0.93

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

## 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 40WHMW035D1A0TEE	dB	54	55
Rated air flow		Cooling	Heating
Outdoor unit	m3/h	1980	1980

Dimensions	Height	Width	Depth	Weight (kg)
Outdoor unit	m3/h		1980	1980
Indoor unit 40WHMW035D1A0TEE	m3/h		620	750

m3/h

620

750

Harmonised standard EN14511:2007, EN12102

Indoor unit 40WHMW035D1A0TEE

Calculation methods - Measurement standards EN14511:2007, EN12102

## Contact details

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