ECODESIGN & ENERGY LABELLING INFORMATION

6KW MONOBLOC MHC-V6W/D2N8-B

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INTRODUCTION

Welcome to the Eco design and Energy labelling data for the Midea 6KW monobloc air to water heat pump – by Pipelife Ireland LTD.

This document is to fulfil the requirements of the directive Eu No. 813/2013.The directive ensures the correct product information is available to BER assessors, Engineers and specifiers alike.

The information within this guide is fully compliant with the directive and provides everything needed to fulfil the SEAI requirements for DEAP methodology.

DECLARATION OF CONFORMITY

Product details

Product: Space Heater , Outdoor Unit
Model(s): MHC-V6W/D2N8-B

Declaration & Applicable Standards

The Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic Compatibility. It confirms that the listed apparatus complies with all Essential requirements of the directive and is based on the technical Specifications applicable at the time of issuance. It refers only to the Particular sample submitted for testing and certification.

EN 55014-1:2017 EN55014-2:2015
EN IEC 61000-3-2:2019 EN IEC 61000-3-11:2019
EN 61000-3-3:2013/A1:2019 EN 61000-3-12:2011

Issue Date – 28/05/2020

The Attestation of Conformity is issued on a voluntary basis According to Council Directive 2006/42/EC relating to machinery. It Confirms that the listed equipment (not annex IV equipment) Complies with the principal protection requirements of the directive.

EN 60335-1:2012/A2:2019
EN 60355-2-40:2003/A13:2012
EN 62233:2008

Issue Date – 02/06/2020

TUV certification available upon request.

TECHNICAL PARAMETERS – LOW TEMPERATURE APPLICATION 35 Degrees

Information requirments for heat pump space heaters and heat pump combination heaters - 813/2013

model	**MHC-V6W/D2N8-B & 200LTR cylinder**
Air-to-water heat pump	**Yes**
Water-to-water heat pump	**No**
Brine-to-water heat pump	**No**
Low-temperature heat pump	**Yes**
Equipped with supplementary heater	**No**
heat pump combination heater	**Yes**
Parameters are declared for	**Low-temperature application**
Parameters are declared for	**Average climate conditions**

Item	Symbol	Value	unit	Item	Symbol	Value	unit
Rated heat output	Prated	6.82	KW	Seasonal Space Heating Energy Efficiency	N^s	195	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	6.03	KW	Tj = -7 °C	COPd	3.13	-
Tj = +2 °C	Pdh	3.88	KW	Tj = +2 °C	COPd	6.02	-
Tj = +7 °C	Pdh	2.4	KW	Tj = +7 °C	COPd	7.4	-
Tj = +12 °C	Pdh	2	KW	Tj = +12 °C	COPd	9.2	-
Tj = operation limit temperature	Pdh	5.36	KW	Tj = operation limit temperature	COPd	2.76	-
Bivalent Temperature	Tbiv	-10	°C	operation limit temperature	TOL	-10	°C
Degradation co-efficient	Cdh	0.99	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P off	0.014	KW	Rated heat output	Psup		KW
Thermostat-off mode	P to	0.014	KW	Type of energy input		Electricity	
Standby Mode	P sb	0.024	KW				
Crankcase heater mode	P ck	0	KW				
Other modes							
Capacity control		Variable		Outdoor sound level	Lwa	57	dB
For heat pump combination heater							
Declared load profile		L		**Water heating energy Efficiency**	Nwh	135.1	%
Primary standby heat loss		1.296	kWh/24hr	Reference hot water temperature		49.29	°C
Central Heating Pump EEI ≥ 0.21 Central Heating Pump Electricity Consumption (kwh/y) – 27 (kwh/y)				DHW volume accounted for in test		200	L

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TECHNICAL PARAMETERS – MEDIUM TEMPERATURE APPLICATION 55 Degrees

Information requirments for heat pump space heaters and heat pump combination heaters - 813/2013

model	**MHC-V6W/D2N8-B & 200LTR cylinder**
Air-to-water heat pump	**Yes**
Water-to-water heat pump	**No**
Brine-to-water heat pump	**No**
Low-temperature heat pump	**No**
Equipped with supplementary heater	**No**
heat pump combination heater	**Yes**
Parameters are declared for	**Medium-temperature application**
Parameters are declared for	**Average climate conditions**

Item	Symbol	Value	unit	Item	Symbol	Value	unit
Rated heat output	Prated	5.7	KW	Seasonal Space Heating Energy Efficiency	N^s	138	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	5.05	KW	Tj = -7 °C	COPd	2.17	-
Tj = +2 °C	Pdh	3.22	KW	Tj = +2 °C	COPd	4.01	-
Tj = +7 °C	Pdh	2.2	KW	Tj = +7 °C	COPd	5.1	-
Tj = +12 °C	Pdh	1.78	KW	Tj = +12 °C	COPd	6.15	-
Tj = operation limit temperature	Pdh	4.52	KW	Tj = operation limit temperature	COPd	1.91	-
Bivalent Temperature	Tbiv	-10	°C	operation limit temperature	TOL	-10	°C
Degradation co-efficient	Cdh	0.9	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P off	0.014	KW	Rated heat output	Psup		KW
Thermostat-off mode	P to	0.014	KW	Type of energy input		Electricity	
Standby Mode	P sb	0.024	KW				
Crankcase heater mode	P ck	0	KW				
Other modes							
Capacity control		Variable		Outdoor sound level	Lwa	58	dB
For heat pump combination heater							
Declared load profile		L		**Water heating energy Efficiency**	Nwh	135.1	%
Primary standby heat loss		1.296	kWh/24hr	Reference hot water temperature		49.29	°C
Central Heating Pump EEI ≥ 0.21 Central Heating Pump Electricity Consumption (kwh/y) – 27 (kwh/y)				DHW volume accounted for in test		200	L

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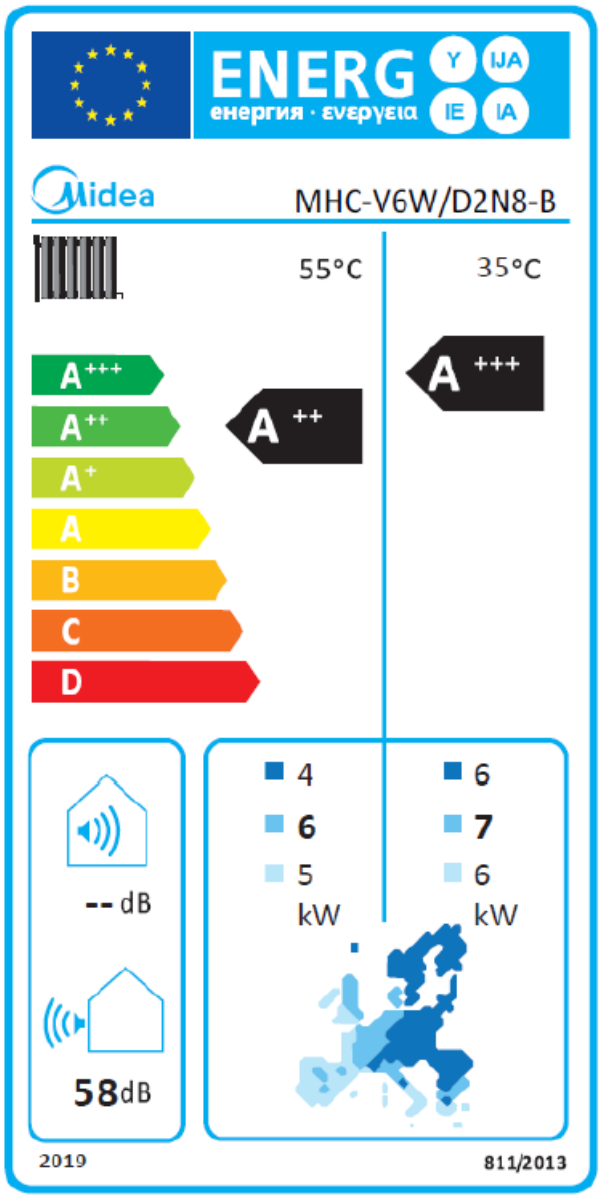
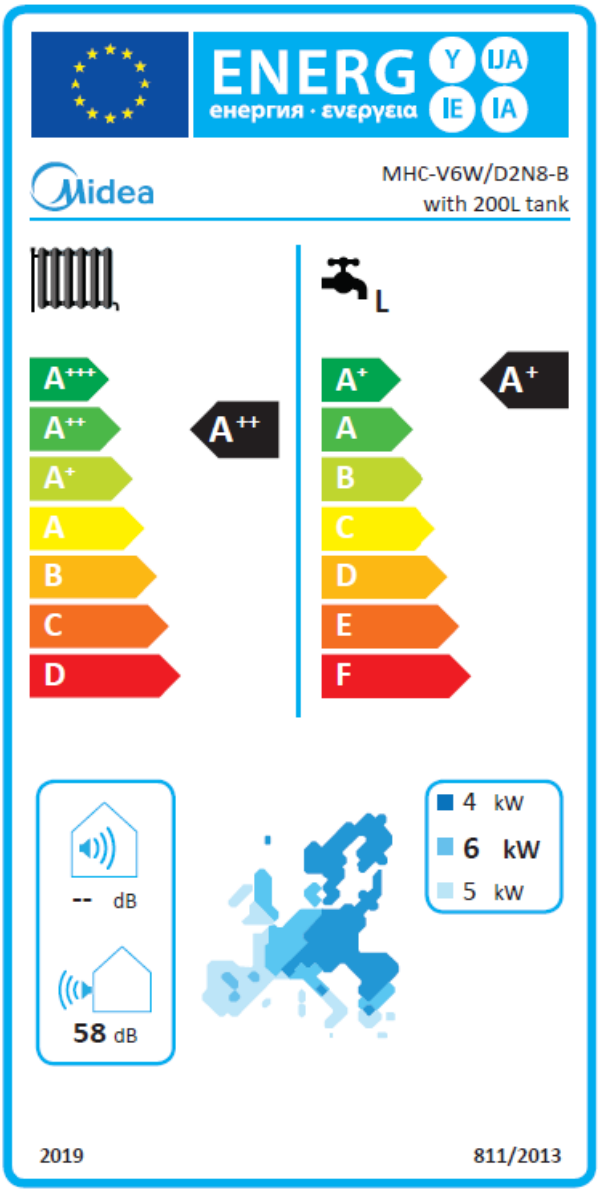
PRODUCT LABELS –
HEAT PUMP SPACE HEATER





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For any queries on any information in this guide or if you require anymore information please contact:

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