



PRODUCT PERFORMANCE RATING

Document ID 022820201156-10746247

Issued on / Délivré le June 28 February 2020

This product is certified by Eurovent Certita Certification as mentioned on
Ce produit est certifié par Eurovent Certita Certification conformément au

Certificate N° 19.09.016

This document is valid at the date of issue - **Check the current validity on www.eurovent-certification.com**

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Product / Produit

Heat pumps / Pompes à chaleur (NF 414)

Product type / Type de produit

HP - Electric - Dual mode - Reversible - Air/Water

Brand / Marque

DE DIETRICH

Range / Gamme

STRATEO

Product référence / Référence

STRATEO 4.5 MR/E

This performance certificate is delivered for the following project:

Le Product Performance Rating est établi pour le projet décrit ci-dessous:

Project Name Nom du projet	Company Société	Project reference Référence du projet	Project location Lieu du projet
IE		IE	Ireland

FEATURE	VALUE	UNIT
AUX		
Auxiliary Power Rate	1.14	%
Standby Power	10.10	W

FEATURE	VALUE	UNIT
SOUND_EXT		
External Side Sound Enveloppe	55	dB(A)



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FEATURE	VALUE	UNIT
SOUND_INT		
Internal Side Sound	30	dB(A)

FEATURE	VALUE	UNIT
A(-7)/W(30-35)		
Ph	2.79	kW
Pe	0.91	kW
COP	3.07	

FEATURE	VALUE	UNIT
A(+2)/W(30-35)		
Ph	3.47	kW
Pe	0.88	kW
COP	3.97	



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FEATURE	VALUE	UNIT
A(+7)/W(30-35)		
Ph	4.60	kW
Pe	0.90	kW
COP	5.11	

FEATURE	VALUE	UNIT
A(-7)/W(40-45)		
Ph	2.44	kW
Pe	1.07	kW
COP	2.27	

FEATURE	VALUE	UNIT
A(+2)/W(40-45)		
Ph	3.50	kW
Pe	1.25	kW
COP	2.80	



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FEATURE	VALUE	UNIT
A(+7)/W(40-45)		
Ph	4.15	kW
Pe	1.12	kW
COP	3.70	

FEATURE	VALUE	UNIT
A(-7)/W(47-55)		
Ph	2.02	kW
Pe	1.29	kW
COP	1.57	

FEATURE	VALUE	UNIT
A(+2)/W(47-55)		
Ph	3.50	kW
Pe	1.75	kW
COP	2.00	



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FEATURE	VALUE	UNIT
A(+7)/W(47-55)		
Ph	3.57	kW
Pe	1.34	kW
COP	2.66	

FEATURE	VALUE	UNIT
A(35)/W(7-12)		
Pc	4.52	kW
Pe	1.63	kW
EER	2.77	

FEATURE	VALUE	UNIT
A(35)/W(18-23)		
Pc	4.12	kW
Pe	0.95	kW
EER	4.32	



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FEATURE	VALUE	UNIT
REFERENCE		
reference code	7728542	
HP Detailed reference	MIC-1C V190 (7700833) + AWHP 4.5 MR (7656794) + Platine hydraulique 1C (7696865)	
Tank Detailed reference	Integrated in IU	

FEATURE	VALUE	UNIT
SEASONAL EFFICIENCY AVERAGE W55		
Pdesignh	3.00	kW
SCOPnet	3.20	
SCOP	3.22	
η_s	125.00	%

FEATURE	VALUE	UNIT
BIVALENT AVERAGE W55		
T biv	-10.00	°C
COP Bivalent	1.42	



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FEATURE	VALUE	UNIT
TOL W55		
TOL	-10.00	°C
COP TOL	1.42	



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FEATURE	VALUE	UNIT
DOMESTIC HOT WATER PERFORMANCES		
Temperature Instruction	54	°C
Tapping Cycle NF (EN 16147)	L	
Reference hot water temperature	53.00	°C
Running Mode	alternated	
V40	275	
DHW Performance Certified Electric Extra Heating (With_Without)	false	
Nominal Stockage Volume	190	
Spare capacity	30.80	W
Temperature rise time	1h40	h
Daily electricity consumption	3.67	kWh/day
Annual electricity consumption	769.00	kWh/annum
COP_(DHW)	3.20	
η_{WH}	133.00	%
COP_global	3.20	



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FEATURE	VALUE	UNIT
DOMESTIC HOT WATER PERFORMANCES_WARM_CLIMATE		
Temperature Instruction	54	°C
Reference hot water temperature	53.00	°C
V40	275	
Nominal Stockage Volume	190	
Temperature rise time	1h35	h
Daily electricity consumption	2.72	kWh/day
Annual electricity consumption	567.00	kWh/annum
COP_(DHW)	4.25	
η_{WH}	181.00	%
COP_global	4.25	



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FEATURE	VALUE	UNIT
GENERAL_INFORMATION		
Current Type	230	V
Phase	single-phased	
Frequency	50	Hz
LRcontmin		%
Type	split	
CcpLRcontmin		
Family	aerothermal	
Compressor system	rotary	
Compressor type	monocompressor	
Exchange Mode	outdoor air/water	
Reversible	true	
Liquid Refrigerant	R410A	
Free Cooling	false	

FEATURE	VALUE	UNIT
DATA TRANSFER		
BAFA		
Edibatec		