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Summary of	AQUASET PHIAM06	Reg. No.	ICIM-PDC-000016
Certificate Holder			
Name	NIBE ENERGY SYSTEMS FRANCE		
Address	Route Departementale 28	Zip	01600
City	Reyrieux	Country	France
Certification Body	ICIM S.p.A.		
Subtype title	AQUASET PHIAM06		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.3 kg		
Certification Date	22.11.2018		

Model: AQUASET PHIAM06

Configure model	
Model name	AQUASET PHIAM06
Application	Heating + DHW
Units	Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2	
	Medium temperature
Heat output	4.00 kW
El input	1.96 kW
COP	2.04

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

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EN 12102-1

Medium temperature

Sound power level outdoor

65 dB(A)

EN 14825

Medium temperature

 η_s

111 %

Prated

3.51 kW

SCOP

2.85

Tbiv

-7 °C

TOL

-10 °C

Pdh Tj = -7°C

3.10 kW

COP Tj = -7°C

1.70

Pdh Tj = +2°C

1.95 kW

COP Tj = +2°C

2.84

Pdh Tj = +7°C

1.43 kW

COP Tj = +7°C

3.84

Pdh Tj = 12°C

1.29 kW

COP Tj = 12°C

5.24

Pdh Tj = Tbiv

3.10 kW

COP Tj = Tbiv

1.70

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$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	2.19 kW
$COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$	1.13
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	0.90
WTOL	55 °C
Poff	5 W
PTO	8 W
PSB	5 W
PCK	35 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.32 kW
Annual energy consumption Q_{he}	2546 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	86 %
COP	2.13
Heating up time	4:04 h:min
Standby power input	50.0 W
Reference hot water temperature	46.7 °C
Mixed water at 40°C	364 l