



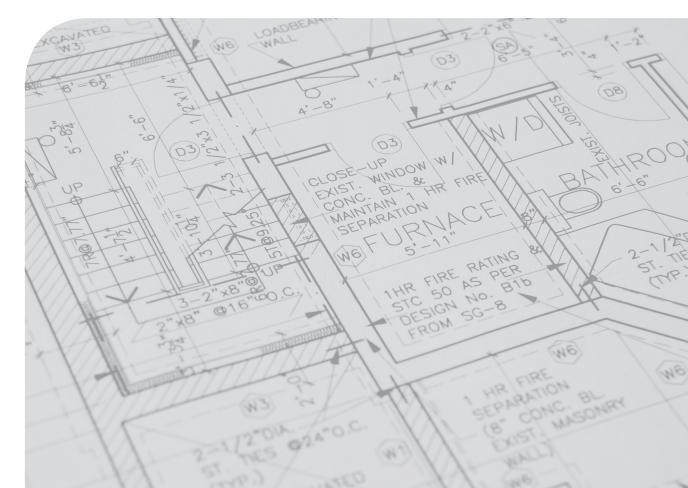
## MAGIS M18/22/26/30

Block heat pumps Three-phase Technical Data



Instructions and recommendations





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#### **Dear Customer**

Congratulations for having chosen a top-quality Immergas product, able to assure well-being and safety for a long period of time. As an Immergas customer you can also count on a Qualified Authorised After-Sales Technical Assistance Centre, prepared and updated to guarantee the constant efficiency of your products. Read the following pages carefully: you will be able to draw useful tips on the proper use of the device, compliance with which will confirm your satisfaction with the Immergas product.

For assistance and routine maintenance, contact Authorised Technical Service Centres: they have original spare parts and are specifically trained directly by the manufacturer.

The company **IMMERGAS S.p.A.**, with registered office in via Cisa Ligure 95 42041 Brescello (RE), declares that the design, manufacturing and after-sales assistance processes comply with the requirements of standard **UNIENISO 9001:2015**.

For further details on the product CE marking, request a copy of the Declaration of Conformity from the manufacturer, specifying the appliance model and the language of the country.

The manufacturer declines all liability due to printing or transcription errors, reserving the right to make any modifications to its technical and commercial documents without forewarning.

#### **GENERAL RECOMMENDATIONS**

- The instruction booklet is an integral and essential part of the product and must be given to the new user in the case of transfer or succession of ownership.
- It must be stored with care and consulted carefully, as all of the warnings provide important safety indications for installation, use and maintenance stages.
- In compliance with the legislation in force, the systems must be designed by qualified professionals, within the dimensional limits established by the Law. Installation and maintenance must be performed in compliance with the regulations in force, according to the manufacturer's instructions and by professionally qualified staff, meaning staff with specific technical skills in the plant sector, as provided for by Law.
- Improper installation or assembly of the Immergas device and/or components, accessories, kits and devices can cause unexpected problems for people, animals and objects. Read the instructions provided with the product carefully to ensure proper installation.
- This instructions manual provides technical information for installing Immergas products. As for the other issues related to the installation of products (e.g. safety at the workplace, environmental protection, accident prevention), it is necessary to comply with the provisions of the standards in force and the principles of good practice.
- All Immergas products are protected with suitable transport packaging.
- The material must be stored in a dry place protected from the weather.
- Maintenance must be carried out by skilled technical staff. For example, the Authorised Service Centre that represents a guarantee of qualifications and professionalism.
- The appliance must only be destined for the use for which it has been expressly declared. Any other use will be considered improper and therefore potentially dangerous.
- If errors occur during installation, operation and maintenance, due to non-compliance with technical laws in force, standards or instructions contained in this booklet (or however supplied by the manufacturer), the manufacturer is excluded from any contractual and extra-contractualliability for any damages and the device warranty is invalidated.
- This manual provides a detailed explanation on the precautions to be taken during use.
- Read this manual carefully before using the wall-mounted control unit to guarantee its proper operation.
- After you have read this manual, keep it for future consultation.
- For further information regarding legislative and statutory provisions relative to the installation of heat pumps, consult the Immergas site at the following address: <u>www.immergas.com</u>

#### **TECHNICALDATA**

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#### 1.1 MEDIUM TEMPERATURE APPLICATIONS

	For medium temperature applications							
			M	edium zone temperatur	es			
Model	Energy efficiency class			Space heating seasonal energy efficiency	For space heating, annual power consumption			
	-	dB	kW	%	kWh			
MAGISM18T	A++	71,0	17,7	125,0	11375			
MAGIS M22 T	A++	73,0	22,4	126,0	14390			
MAGISM26T	A+	75,0	26,1	123,0	17204			
MAGIS M30 T	A+	77,0	29,7	123,0	19316			

	For medium temperature applications								
			(	Cold zones temperature	s				
Model	Energy efficiency class	Sound power of unit	Nominal heat output	Space heating seasonal energy efficiency	For space heating, annual power consumption				
	-	dB	kW	%	kWh				
MAGISM18T	A++	71,0	18,4	97,0	18156				
MAGISM22T	A++	73,0	22,4	102,0	21067				
MAGISM26T	A+	75,0	26,3	26,3 101,0					
MAGIS M30 T	A+	77,0	30,4	100,0	29238				

	For medium temperature applications							
			]	Hotzonestemperatures	5			
Model	Energy efficiency class	Sound power of unit	Nominal heat output	Space heating seasonal energy efficiency	For space heating, annual power consumption			
	-	dB	kW	%	kWh			
MAGISM18T	A++	71,0	18,1	157,0	6041			
MAGISM22T	A++	73,0	22,0	161,0	7180			
MAGISM26T	A+	75,0	26,2	26,2 168,0				
MAGIS M30 T	A+	77,0	29,7	163,0	9580			

#### **1.2 LOW TEMPERATURE APPLICATIONS**

	For low temperature applications							
			М	es				
Model	Energy efficiency class	Sound power of unit	Nominal heat output	Space heating seasonal energy efficiency	For space heating, annual power consumption			
	-	dB	kW	%	kWh			
MAGISM18T	A+++	71,0	18,0	181,0	8086			
MAGISM22T	A+++	73,0	22,0	178,0	10180			
MAGISM26T	A+++	75,0	25,0	177,0	11489			
MAGISM30T	A++	77,0	29,0	165,0	14165			

	For low temperature applications							
			(	S				
Model	Energy efficiency class	Sound power of unit Nominal heat out		Space heating seasonal energy efficiency	For space heating, annual power consumption			
	-	dB	kW	%	kWh			
MAGIS M18 T	A+++	71,0	18,0	146,0	11740			
MAGISM22T	A+++	73,0	21,0	146,0	14179			
MAGISM26T	A+++	75,0	26,0	143,0	17421			
MAGISM30T	A++	77,0	29,0	138,0	20390			

	<b>For low temperature applications</b>							
			]	Hot zones temperatures	5			
Model	Energy efficiency class	Sound power of unit	Nominal heat output	Space heating seasonal energy efficiency	For space heating, annual power consumption			
	-	dB	kW	%	kWh			
MAGISM18T	A+++	71,0	18,0	226,0	4116			
MAGISM22T	A+++	73,0	22,0	234,0	4945			
MAGISM26T	A+++	75,0	26,0	231,0	5959			
MAGIS M30 T	A++	77,0	30,0	213,0	7540			

# 2 PRODUCT DATA SHEET

Space heating appliance with hea	tpump	Unit	MAGISM18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
Low temperature medium weather application	dB	71,0	73,0	75,0	77,0	
Sound power of unit	Medium weather temperature application	dB	71,0	73,0	75,0	77,0
Spaceheating	Energy efficiency class 35°C (low temperature application)	-	A+++	A+++	A+++	A++
Spaceheating	Energy efficiency class 55°C (medium temperature application)	-	A++	A++	A+	A+

Medium weather (design temper	ature=-10°C)	Unit	MAGISM18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	$P_{rated}$ (declared heating capacity) @ -10°C	kW	18,0	22,0	25,0	29,0
Space heating 35°C	Space heating seasonal energy efficiency $(\eta_s)$	%	181,0	178,0	177,0	165,0
	Annual power consumption	kWh	8086	10180	11489	14165
	$P_{rated}$ (declared heating capacity) @ -10°C	kW	17,7	22,4	26,1	29,7
Space heating 55°C	Space heating seasonal energy efficiency $(\eta_s)$	%	125,0	126,0	123,0	123,0
	Annual power consumption	kWh	11375	14390	17204	19316

Low temperature application load conditions	n medium weather space heating partial	Unit	MAGIS M18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	$P_{dh}$ (Declared heating capacity)	kW	15,91	19,73	22,15	21,95
(A) Condition (-7°C)	COP <sub>d</sub> (Declared COP)	-	2,85	2,74	2,56	2,53
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	9,67	12,04	13,78	16,22
(B) Condition (2°C)	COP <sub>d</sub> (Declared COP)	-	4,57	4,40	4,41	4,12
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	$P_{dh}$ (Declared heating capacity)	kW	6,57	8,02	9,38	10,69
(C) Condition (7°C)	COP <sub>d</sub> (Declared COP)	-	5,95	6,24	6,43	6,21
	$C_{dh}$ (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	3,77	3,81	4,11	4,59
(D) Condition (12°C)	COP <sub>d</sub> (Declared COP)	-	6,97	7,00	7,08	7,14
	$C_{dh}$ (Degradation coefficient)	-	0,9	0,9	0,9	0,9

Low temperature application medium weather space heating partial load conditions		Unit	MAGISM18 T	MAGIS M22T	MAGIS M26 T	MAGIS M30T
	Tol (operation limit temperature)	°C	-10	-10	-10	-10
(T) T-1 (	P <sub>dh</sub> (Declared heating capacity)	kW	18,14	20,34	20,36	20,43
(E) Tol (operation limit tempera- ture)	COP <sub>d</sub> (Declared COP)	-	2,49	2,35	2,34	2,34
	W <sub>TOL</sub> (Water heating limit operation)	°C	60	60	60	60
	T <sub>blv</sub>	°C	-7	-7	-7	-5
(F) T <sub>bivalente</sub> temperature	P <sub>dh</sub> (Declared heating capacity)	kW	15,91	19,73	22,15	23,57
COP <sub>d</sub> (Declared COP)		-	2,85	2,74	2,56	2,7
Supplementary capacity to $P_{design}$	P <sub>sup</sub> (@T <sub>designh</sub> : -10°C)	kW	0,0	1,97	4,68	8,75

Medium temperature application heating partial load conditions	average weather temperature space	Unit	MAGISM18 T	MAGIS M22T	MAGIS M26T	MAGIS M30T
	P <sub>dh</sub> (Declared heating capacity)	kW	15,6	19,8	20,6	20,1
(A) Condition (-7°C)	COP <sub>d</sub> (Declared COP)	-	1,72	1,74	1,69	1,63
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	9,60	11,90	14,30	16,50
(B) Condition (2°C)	COP <sub>d</sub> (Declared COP)	-	3,30	3,30	3,11	3,09
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	6,40	8,00	9,30	10,50
(C) Condition (7°C)	COP <sub>d</sub> (Declared COP)	-	4,41	4,62	4,72	4,73
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	3,60	3,60	3,90	4,70
(D) Condition (12°C)	COP <sub>d</sub> (Declared COP)	-	5,09	5,20	5,41	5,85
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	Tol (operation limit temperature)	°C	-10	-10	-10	-10
(T) T 1/ · · · · · ·	P <sub>dh</sub> (Declared heating capacity)	kW	15,0	13,8	13,8	13,8
(E) Tol (operation limit tempera- ture)	COP <sub>d</sub> (Declared COP)	-	1,17	1,08	1,08	1,07
	W <sub>TOL</sub> (Waterheatinglimit operation)	°C	60	60	60	60
	T <sub>blv</sub>	°C	-7	-7	-6	-5
(F) T <sub>bivalente</sub> temperature	P <sub>dh</sub> (Declared heating capacity)	kW	15,6	19,8	22,1	24,0
	COP <sub>d</sub> (Declared COP)	-	1,72	1,74	1,88	2,02
Supplementary capacity to P <sub>design</sub>	P <sub>sup</sub> (@T <sub>designh</sub> :-10°C)	kW	2,64	8,6	12,28	15,86

Coldweather (Design temperature = -22°C)		Unit	MAGISM18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	P <sub>rated</sub> (declared heating capacity) @ -22°C	kW	18,0	21,0	26,0	29,0
Space heating 35°C	Space heating seasonal energy efficiency $(\eta_s)$	%	146,0	146,0	143,0	138,0
	Annual power consumption	kWh	11740	14179	17421	20390
	P <sub>rated</sub> (declared heating capacity) @ -22°C	kW	18,4	22,4	26,3	30,4
Space heating 55°C	Space heating seasonal energy efficiency $(\eta_s)$	%	97,0	102,0	101,0	100,0
	Annual power consumption	kWh	18156	21067	24967	29238

Low temperature application cold conditions	Low temperature application cold weather space heating partial load conditions		MAGIS M18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	P <sub>dh</sub> (Declared heating capacity)	kW	14,49	17,46	18,95	18,61
Condition (-15°C)	COP <sub>d</sub> (Declared COP)	-	2,42	2,36	2,27	2,24
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	11,21	13,3	15,91	18,49
(A) Condition (-7°C)	COP <sub>d</sub> (Declared COP)	-	3,09	3,12	3,10	3,07
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	6,64	8,25	10,1	11,88
(B) Condition (2°C)	COP <sub>d</sub> (Declared COP)	-	4,50	4,42	4,45	4,42
	$C_{dh}$ (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	4,77	5,45	6,3	7,53
(C) Condition (7°C)	COP <sub>d</sub> (Declared COP)	-	5,85	5,87	6,06	6,15
	$C_{dh}$ (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	$P_{dh}$ (Declared heating capacity)	kW	3,95	3,98	4,03	4,11
(D) Condition (12°C)	COP <sub>d</sub> (Declared COP)	-	7,18	7,19	7,13	6,87
	$C_{dh}$ (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	Tol (operation limit temperature)	°C	-22	-22	-22	-22
(E) Tol (on anotion limit to grow and	P <sub>dh</sub> (Declared heating capacity)	kW	13,14	13,27	13,07	13,17
(E) Tol (operation limit tempera- ture)	COP <sub>d</sub> (Declared COP)	-	1,67	1,69	1,67	1,67
	W <sub>TOL</sub> (Water heating limit operation)	°C	37	37	37	37

Low temperature application cold weather space heating partial load conditions		Unit	MAGISM18 T	MAGIS M22T	MAGIS M26 T	MAGIS M30T
	T <sub>blv</sub>	°C	-15	-15	-12	-10
(F) T <sub>bivalente</sub> temperature	P <sub>dh</sub> (Declared heating capacity)	kW	14,49	17,46	18,97	19,93
	COP <sub>d</sub> (Declared COP)	-	2,42	2,36	2,36	2,44
Supplementary capacity to $P_{design}$	$P_{sup}(@T_{designh}:-22^{\circ}C)$	kW	4,62	8,13	12,68	15,96

Medium temperature application cold weather space heating partial load conditions		Unit	MAGISM18 T	MAGIS M22T	MAGIS M26T	MAGIS M30T
	P <sub>dh</sub> (Declared heating capacity)	kW	13,6	13,8	13,4	13,1
Condition (-15°C)	COP <sub>d</sub> (Declared COP)	-	1,21	1,24	1,2	1,18
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	11,10	13,50	15,90	18,40
(A) Condition (-7°C)	COP <sub>d</sub> (Declared COP)	-	1,98	2,07	2,10	2,10
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	6,70	8,60	10,20	11,20
(B) Condition (2°C)	COP <sub>d</sub> (Declared COP)	-	3,44	3,70	3,58	3,51
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	4,70	5,20	6,50	7,40
(C) Condition (7°C)	COP <sub>d</sub> (Declared COP)	-	4,35	4,49	4,99	5,18
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	3,70	3,70	3,60	3,60
(D) Condition (12°C)	COP <sub>d</sub> (Declared COP)	-	5,68	5,76	5,68	5,73
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	Tol (operation limit temperature)	°C	-15	-15	-15	-15
(T) T-1/	P <sub>dh</sub> (Declared heating capacity)	kW	13,6	13,8	13,4	13,1
(E) Tol (operation limit tempera- ture)	COP <sub>d</sub> (Declared COP)	-	1,21	1,24	1,2	1,18
	W <sub>TOL</sub> (Water heating limit operation)	°C	50	50	50	50
	T <sub>blv</sub>	°C	-7	-7	-7	-7
(F) T <sub>bivalente</sub> temperature	P <sub>dh</sub> (Declared heating capacity)	kW	11,1	13,5	15,9	18,4
	COP <sub>d</sub> (Declared COP)	-	1,98	2,07	2,1	2,1
Supplementary capacity to P <sub>design</sub>	$P_{sup}(@T_{designh}:-22^{\circ}C)$	kW	18,38	22,36	26,27	30,41

Warm weather (Design temperatur	$e=2^{\circ}C)$	Unit	MAGISM4	MAGISM6	MAGISM6	MAGISM8
	P <sub>rated</sub> (declared heating capacity) @ -2°C	kW	5,5	6,1	6,1	8,1
Space heating 35°C	Space heating seasonal energy efficiency $(\eta_s)$	%	255,4	259,8	259,8	276,6
	Annual power consumption	kWh	1146	1244	1244	1551
	P <sub>rated</sub> (declared heating capacity) @ -2°C	kW	5,0	5,1	5,1	8,37
Space heating 55°C	Space heating seasonal energy efficiency $(\eta_s)$	%	162,4	164,7	164,7	176,9
	Annual power consumption	kWh	1621	1640	1640	2485

Warm weather (Design temperature = 2°C)		Unit	MAGIS M18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	P <sub>rated</sub> (declared heating capacity) @ -2°C	kW	18,0	22,0	26,0	30,0
Space heating 35°C	Space heating seasonal energy efficiency $(\eta_s)$	%	226,0	234,0	231,0	213,0
	Annual power consumption	kWh	4116	4945	5959	7540
	P <sub>rated</sub> (declared heating capacity) @ -2°C	kW	18,1	22,0	26,2	29,7
Space heating 55°C	Space heating seasonal energy efficiency $(\eta_s)$	%	157,0	161,0	168,0	163,0
	Annual power consumption	kWh	6041	7180	8218	9580

Low temperature application warm weather space heating partial load conditions		Unit	MAGISM18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	P <sub>dh</sub> (Declared heating capacity)	kW	17,84	21,81	25,5	26,29
(B) Condition (2°C)	COP <sub>d</sub> (Declared COP)	-	3,53	3,31	3,00	2,94
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	11,36	14,08	16,77	19,57
(C) Condition (7°C)	COP <sub>d</sub> (Declared COP)	-	5,16	5,20	5,02	4,75
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	5,45	6,44	7,65	8,9
(D) Condition (12°C)	COP <sub>d</sub> (Declared COP)	-	7,01	7,50	7,78	7,53
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	Tol (operation limit temperature)	°C	2	2	2	2
	P <sub>dh</sub> (Declared heating capacity)	kW	17,84	21,81	25,5	26,29
(E) Tol (operation limit tempera- ture)	COP <sub>d</sub> (Declared COP)	-	3,53	3,31	3,0	2,94
	W <sub>TOL</sub> (Water heating limit operation)	°C	60	60	60	60

Low temperature application warm weather space heating partial load conditions		Unit	MAGISM18 T	MAGIS M22T	MAGIS M26T	MAGIS M30T
	T <sub>blv</sub>	°C	7	7	7	7
(F) T <sub>bivalente</sub> temperature	P <sub>dh</sub> (Declared heating capacity)	kW	11,36	14,08	16,77	19,57
	COP <sub>d</sub> (Declared COP)	-	5,16	5,2	5,02	4,75
Supplementary capacity to $P_{design}$	P <sub>sup</sub> (@T <sub>designh</sub> : 2°C)	kW	0,00	0,09	0,58	4,15

Medium temperature application warm weather space heating partial load conditions		Unit	MAGISM18 T	MAGIS M22T	MAGIS M26T	MAGIS M30T
	P <sub>dh</sub> (Declared heating capacity)	kW	18,40	22,10	26,50	26,40
(B) Condition (2°C)	COP <sub>d</sub> (Declared COP)	-	2,12	2,12	1,99	1,99
	$C_{dh}$ (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	11,60	14,10	16,90	19,10
(C) Condition (7°C)	COP <sub>d</sub> (Declared COP)	-	3,49	3,50	3,47	3,37
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P <sub>dh</sub> (Declared heating capacity)	kW	5,40	6,40	7,60	8,90
(D) Condition (12°C)	COP <sub>d</sub> (Declared COP)	-	5,09	5,34	5,94	6,09
	C <sub>dh</sub> (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	Tol (operation limit temperature)	°C	2	2	2	2
(T) T-1 /	P <sub>dh</sub> (Declared heating capacity)	kW	18,40	22,10	26,50	26,40
(E) Tol (operation limit tempera- ture)	COP <sub>d</sub> (Declared COP)	-	2,12	2,12	1,99	1,99
	$W_{TOL}$ (Water heating limit operation)	°C	60	60	60	60
	T <sub>blv</sub>	°C	7	7	7	7
(F) T <sub>bivalente</sub> temperature	P <sub>dh</sub> (Declared heating capacity)	kW	11,6	14,1	16,9	19,1
	COP <sub>d</sub> (Declared COP)	-	3,49	3,5	3,47	3,37
Supplementary capacity to P <sub>design</sub>	$P_{sup}(@T_{designh}:2^{\circ}C)$	kW	0,00	0,00	0,00	3,32

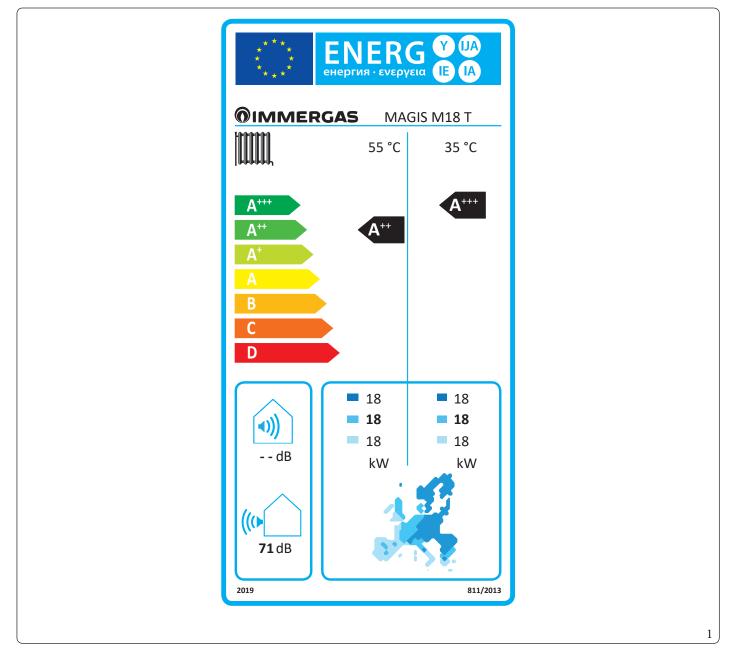
		Unit	MAGISM18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	Air-water heat pump	Y/N	yes	yes	yes	yes
	Water-water heat pump	Y/N	no	no	no	no
	Brine to water heat pump	Y/N	no	no	no	no
Description of the product	Low temperature heat pump	Y/N	no	no	no	no
	Equipped with additional heater	Y/N	no	no	no	no
	Mixed central heating device with heat pump:	Y/N	no	no	no	no
Air-water unit	Nominalairflow	m³/h	10650	10650	11200	11200
Brine/water to water unit	Water/brine at nominal flow rate (H/E outdoor)		/	/	/	/

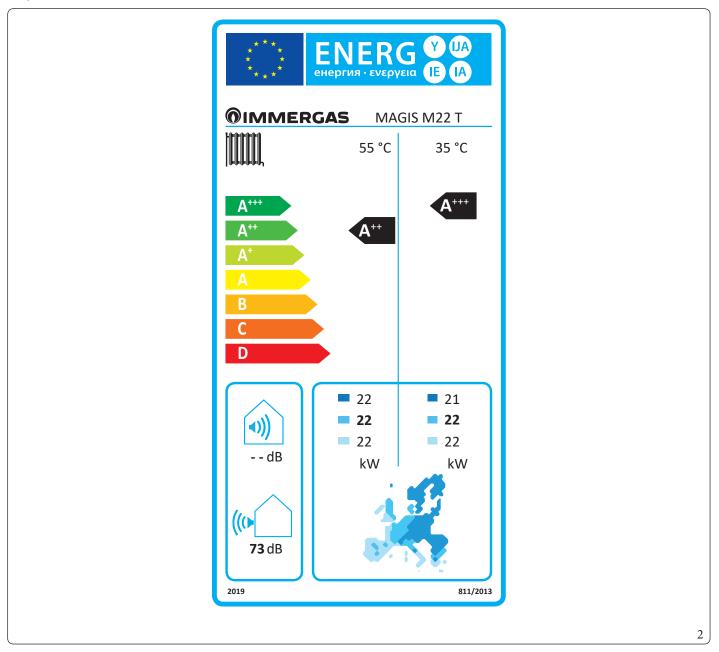
Space heating appliance with heat pump		Unit	MAGISM18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	Capacity control	-	VARIABLE	VARIABLE	VARIABLE	VARIABLE
	P <sub>off</sub> (Power consumption OFF Mode)	kW	0,018	0,018	0,018	0,018
	$P_{to}$ (Power consumption with thermostat at OFF Mode)	kW	0,096	0,096	0,096	0,096
Other	P <sub>sb</sub> (Power consumption in Standby Mode)	kW	0,018	0,018	0,018	0,018
	P <sub>CK</sub> (Electric crankcase heater model)	kW	0,000	0,000	0,000	0,000
	$\begin{array}{l} Q_{elec}(Daily \mbox{ electricity consump-} \\ tion) \end{array}$	kWh	/	/	/	/
	Q <sub>fuel</sub> (Daily fuel consumption)	kWh	/	/	/	/

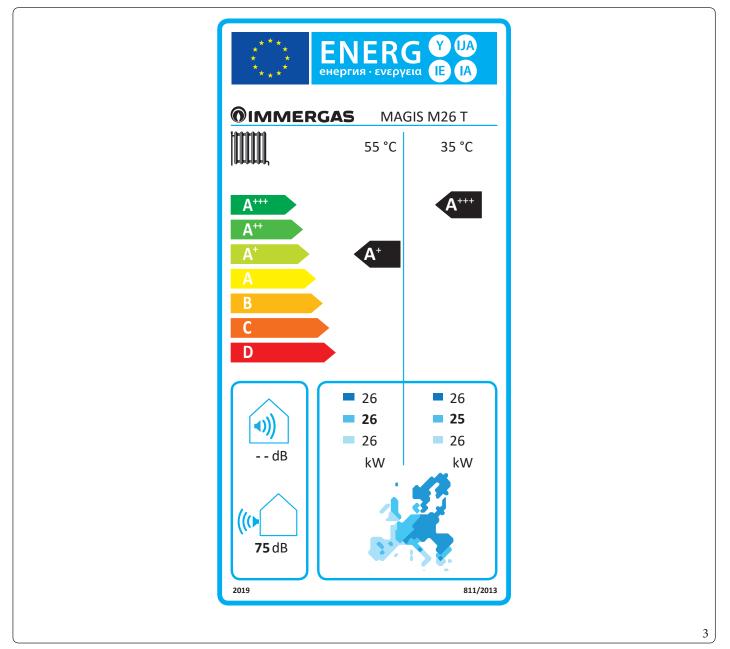
Details and precautions on installation, maintenance and assembly can be found in the use and installation manual. Data of the product data sheets according to the directive on energy labelling 2010/30/EC (EU) 811/2013.

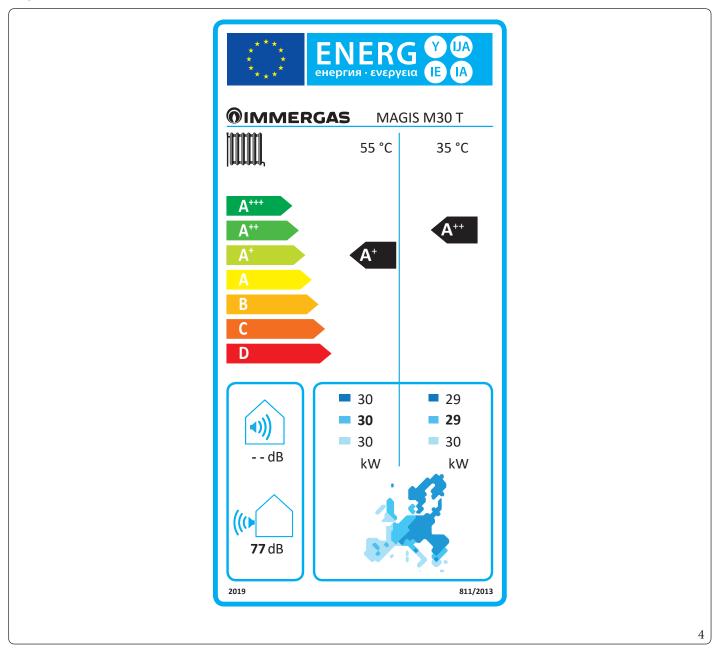
#### 2.1 PRODUCT LABELS

#### Magis M18 T









## 3

### TECHNICALPARAMETERS

emperatu Symbol	reapplica	yes no no	Low temperature heat pump With Supplementary heater			no no		
-	reapplica							
-	reapplica	no		With Supplementary heater				
-	reapplica		Mixed central heating device with heat pump:					
-	reapplica							
Symbol	uppiled	tion.						
	Value	Unit	Element	Symbol	Value	Unit		
$\mathbf{P}_{\mathrm{rated}}$	17,7	kW	Room central heating seasonal energy efficiency	$\eta_s$	125,0	%		
$Central heating capacity declared for a partial load at indoor temperature of 20 ^{\circ}C and outdoor temperature Tj$			Central heating capacity declared for a partia ture of 20°C and outdoor temperature Tj	alloadatin	door temj	pera-		
Pdh	15,6	kW	$T_j = -7 \ ^{\circ}C$	COPd	1,72	-		
Pdh	9,60	kW	$T_j = +2 °C$	COPd	3,30	-		
Pdh	6,40	kW	$T_j = +7 °C$	COPd	4,41	-		
Pdh	3,60	kW	$T_j = + 12 °C$	COPd	5,09	-		
Pdh	15,6	kW	$T_j = bivalent temperature$	COPd	1,72	-		
Pdh	15,0	kW	$T_j = operating limit temperature$	COPd	1,17	-		
Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-		
T <sub>biv</sub>	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-10	°C		
P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-		
$C_{dh}$	0,9	-	Heating water operation limit temperature	$W_{\text{TOLp}}$	60	°C		
re mode			Additionalheater					
P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	2,64	kW		
P <sub>TO</sub>	0,018	kW						
P <sub>SB</sub>	0,096	kW	Type of energy supplied	e	lectrical			
Рск	0,000	kW						
VA	RIABLE		rateoutdoors	-	10650	m³\h		
L <sub>WA</sub>	-/71,0	dB	For water or brine-water heat pumps: Rated			malh		
$Q_{\text{HE}}$	11375	kWh	outdoors	-	-	m₃∖h		
atpump		·	·					
	-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%		
Q <sub>elec</sub>	-	kWh	Daily fuel consumption	$Q_{\mathrm{fuel}}$	-	kWh		
AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
mmergas	S.p.A.via	a Cisa Liş	gure n.95					
	Pdh Pdh Pdh Pdh Pdh Pdh Tbiv Pdh Cdh Pdh Cdh Pcr Pcr Pcr Pcr Pcr Pcr Pcr Pcr Pcr Pcr	Pdh         15,6           Pdh         9,60           Pdh         6,40           Pdh         3,60           Pdh         15,6           Pdh         15,0           Pdh         15,0           Pdh         15,0           Pdh         -7           P <sub>cych</sub> -7           P <sub>cych</sub> 0,018           P <sub>TO</sub> 0,018           P <sub>TO</sub> 0,018           P <sub>CK</sub> 0,000           V         IABLE           L <sub>WA</sub> -/71,0           Q <sub>HE</sub> 11375           ttpump         -           Q <sub>elec</sub> -           AEC         -           nmergastp.A.via	Pdh     15,6     kW       Pdh     9,60     kW       Pdh     6,40     kW       Pdh     3,60     kW       Pdh     15,6     kW       Pdh     15,0     kW       Pdh     15,0     kW       Pdh     15,0     kW       Pdh     15,0     kW       Pdh     -7     °C       P <sub>cych</sub> -7     °C       P <sub>cych</sub> 0,918     kW       P <sub>TO</sub> 0,018     kW       P <sub>TO</sub> 0,018     kW       P <sub>SB</sub> 0,090     kW       P <sub>CK</sub> 0,018     kW       P <sub>SB</sub> 0,018     kW       P <sub>CK</sub> 11375     kWh       Q <sub>HE</sub> 11375     kWh       AEC     -     kWh	ture of 20°C and outdoor temperature TjPdh15,6kWTj = - 7 °CPdh9,60kWTj = + 2 °CPdh6,40kWTj = + 7 °CPdh3,60kWTj = + 12 °CPdh15,6kWTj = bivalent temperaturePdh15,6kWTj = operating limit temperaturePdh15,0kWFor air-water heat pumps: Tj = -15°CTbiv-7°CFor air/water heat pumps: Operating limit temperaturePdh-kWEfficiency of cycle rangeC_{dh}0,9-Heating water operation limit temperatureP_{cych}-kWRated heat output (*)P_{oFF}0,018kWRated heat output (*)P_{TO}0,018kWPape of energy suppliedP_{CK}0,000kWFor air-water heat pumps: Rated air flow rate outdoorsL_{WA-/71,0dBFor water or brine -water heat pumps: Rated air flow rate outdoorsL_{WA-/71,0dBFor water or brine flow rate, heat exchanger outdoorsQelec-kWhDaily fuel consumptionAEC-kWhDaily fuel consumptionAEC-kWhDaily fuel consumptionInd heating appliarces mixed with heat pump, the rated heat output P_rated nadditional heater P_sup	ture of 20°C and outdoor temperature TjPdh15,6kWTj = - 7 °CCOPdPdh9,60kWTj = + 2 °CCOPdPdh6,40kWTj = + 7 °CCOPdPdh3,60kWTj = + 12 °CCOPdPdh3,60kWTj = + 12 °CCOPdPdh15,6kWTj = - perating limit temperatureCOPdPdh15,0kWTj = operating limit temperatureCOPdPdh-kWFor air-water heat pumps: Tj = -15°CCOPdT biv7°CFor air/water heat pumps: Operating limit temperatureTOLP <sub>cych</sub> -kWEfficiency of cycle rangeCOP <sub>cyc</sub> C d <sub>th</sub> 0,9-Heating water operation limit temperatureW_{ToLp}emodeAdditional heaterPsupPro0,018kWP <sub>oFF</sub> 0,018kWRated heat output (*)PsupP <sub>CK</sub> 0,000kWFor air-water heat pumps: Rated air flow rate outdoors-L <sub>WA</sub> -/71,0dBFor water or brine-water heat pumps: Rated air flow rate outdoors-L <sub>WA</sub> -/71,0dBFor water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors-L <sub>WA</sub> -/71,0dBMater central heating energy efficiency $\eta_{wh}$ Q <sub>elec</sub> -kWhDaily fuel consumptionAFCndheating appliances mixed with heat pump, the rated heat output P <sub>rated</sub> is equal to the suplementary he	ture of 20°C and outdoor temperature TjPdh15,6kW $T_j = - 7 ° C$ COPd1,72Pdh9,60kW $T_j = + 2 ° C$ COPd3,30Pdh6,40kW $T_j = + 7 ° C$ COPd4,41Pdh3,60kW $T_j = + 7 ° C$ COPd5,09Pdh15,6kW $T_j = + 12 ° C$ COPd1,72Pdh15,6kW $T_j = pisvalent temperatureCOPd1,72Pdh15,0kWT_j = operating limit temperatureCOPd1,17Pdh-kWFor air-water heat pumps: Tj = -15°CCOPd-T_{biv-7°CFor air/water heat pumps: Operating limittemperatureTOL-10P_cych-kWEfficiency of cycle rangeCOPcyc-C_{dh}0,9-Heating water operation limit temperatureW _{Tot,p}60mode-Additional heaterPsup2,64P_{TO}0,018kWRated heat output (*)Psup2,64P_{TO}0,008kWType of energy suppliedP_{CK}0,000kWFor air-water heat pumps: Rated air flowrate outdoorsI_{WA}-/71,0dBFor water or brine low rate, heat exchangeroutdoorsI_{WA}-/71,0dBFor water or brine flow rate, heat exchangeroutdoorsI_{WA}-/71,0dBFor water or brine flow rate, heat e$		

Model	MAGISM	118T					,
Air/water heat pump			yes	Low temperature heat pump			no
Water/water heat pump			no	With Supplementary heater			no
Brine/water heat pump			no	Mixed central heating device with heat pump	p:		no
Declared weather condition: COLD							
The parameters are declared for the medium	n temperatu	ireapplica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	$\mathbf{P}_{rated}$	18,4	kW	Room central heating seasonal energy efficiency	$\eta_s$	97,0	%
Central heating capacity declared for a part ture of 20°C and outdoor temperature Tj	ial load at in	doortem	pera-	Central heating capacity declared for a partie ture of 20°C and outdoor temperature Tj	alloadatin	doortem	pera-
$T_j = -7 °C$	Pdh	11,10	kW	$T_j = -7 \ ^{\circ}C$	COPd	1,98	-
$T_j = + 2 °C$	Pdh	6,70	kW	$T_j = + 2 °C$	COPd	3,44	-
$T_j = +7 °C$	Pdh	4,70	kW	$T_j = +7 \text{ °C}$	COPd	4,35	-
T <sub>j</sub> =+ 12 °C	Pdh	3,70	kW	$T_j = + 12 \text{ °C}$	COPd	5,68	-
$T_j = bivalent temperature$	Pdh	11,1	kW	$T_j = bivalent temperature$	COPd	1,98	-
$T_j = operating limit temperature$	Pdh	13,6	kW	$T_j = operating limit temperature$	COPd	1,21	-
For air-water heat pumps: Tj = -15°C	Pdh	13,6	kW	For air-water heat pumps: Tj = -15°C	COPd	1,21	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-15	°C
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	50	°C
Power consumption in modes other than a	ctive mode			Additional heater			
OFF mode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	18,38	kW
Standby Mode	Рто	0,018	kW				
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied		-	
Crankcase heater mode electrical	Рск	0,000	kW				
Otheritems				r			
Capacity control	V	ARIABLE	2	For air-water heat pumps: Rated air flow rate outdoors	-	10650	m₃∖h
Indoor/outdoor sound level	L <sub>WA</sub>	-/71	dB	For water or brine-water heat pumps: Rated			m2\1-
Annual energy consumption	Q <sub>HE</sub>	18156	kWh	water or brine flow rate, heat exchanger outdoors	_	-	m³∖h
For mixed central heating appliances with a	heat pump	`		÷	<u>`</u>		
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact information	Immerga	sS.p.A.vi	a Cisa Li	gure n.95			

Model	MAGISM	118 T					
Air/water heat pump			yes	Low temperature heat pump			no
Water/water heat pump			no	WithSupplementaryheater			no
Brine/water heat pump			no	Mixed central heating device with heat pump	p:		no
Declared weather condition: WARM							
The parameters are declared for the medium	n temperatu	reapplica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	$\mathbf{P}_{rated}$	18,1	kW	Room central heating seasonal energy efficiency	$\eta_s$	157,0	%
Central heating capacity declared for a part ture of 20°C and outdoor temperature Tj	tialloadatin	doortem	pera-	Central heating capacity declared for a parti- ture of 20°C and outdoor temperature Tj	alloadatin	doortem	pera-
T <sub>j</sub> =-7 °C	Pdh	-	kW	$T_j = -7 \ ^{\circ}C$	COPd	-	-
$T_j = +2 °C$	Pdh	18,40	kW	$T_j = +2 °C$	COPd	2,12	-
$T_j = +7 °C$	Pdh	11,60	kW	$T_j = +7 °C$	COPd	3,49	-
T <sub>j</sub> =+ 12 °C	Pdh	5,40	kW	$T_j = + 12 \degree C$	COPd	5,09	-
T <sub>j</sub> =bivalent temperature	Pdh	11,6	kW	$T_j = bivalent temperature$	COPd	3,49	-
T <sub>i</sub> =operating limit temperature	Pdh	18,40	kW	$T_i = operating limit temperature$	COPd	2,12	-
For air-water heat pumps: $Tj = -15^{\circ}C$	Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-
Bivalent temperature	T <sub>biv</sub>	7	°C	For air/water heat pumps: Operating limit temperature	TOL	2	°C
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	60	°C
Power consumption in modes other than a	ctive mode			Additionalheater			
OFF mode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	0,00	kW
StandbyMode	Рто	0,018	kW				
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied		-	
Crankcase heater mode electrical	Рск	0,000	kW				
Otheritems							
Capacity control	VA	ARIABLE	3	For air-water heat pumps: Rated air flow rate outdoors	-	10650	m³\h
Indoor/outdoor sound level	L <sub>WA</sub>	-/71	dB	For water or brine-water heat pumps: Rated			
Annual energy consumption	Q <sub>HE</sub>	6041	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h
For mixed central heating appliances with a	heatpump			•			
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Dailyfuelconsumption	$Q_{\mathrm{fuel}}$	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contactinformation	Immerga	sS.p.A.vi	a Cisa Li	gure n.95			

Model	MAGISM	122 T		· · · · · · · · · · · · · · · · · · ·				
Air/water heat pump			yes	Low temperature heat pump			no	
Water/water heat pump			no	With Supplementary heater			no	
Brine/water heat pump			no	Mixed central heating device with heat pump:				
Declared weather condition: MEDIUM								
The parameters are declared for the mediu	m temperatu	ireapplica	ation.					
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	22,4	kW	Room central heating seasonal energy efficiency	$\eta_s$	126,0	%	
$Central heating capacity declared for a parture of 20^\circ C and outdoor temperature T j$	tial load at in	doortem	pera-	Central heating capacity declared for a partiture of 20°C and outdoor temperature Tj	alloadatin	doortem	pera-	
$T_j = -7 °C$	Pdh	19,8	kW	$T_j = -7 °C$	COPd	1,74	-	
$T_j = + 2 °C$	Pdh	11,90	kW	$T_j = +2 °C$	COPd	3,30	-	
$T_j = +7 °C$	Pdh	8,00	kW	$T_j = +7 °C$	COPd	4,62	-	
T <sub>j</sub> =+ 12 °C	Pdh	3,60	kW	$T_j = + 12 °C$	COPd	5,20	-	
T <sub>j</sub> =bivalent temperature	Pdh	19,8	kW	$T_j = bivalent temperature$	COPd	1,74	-	
T <sub>j</sub> =operating limit temperature	Pdh	13,8	kW	$T_j = operating limit temperature$	COPd	1,08	-	
For air-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-	
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-10	°C	
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-	
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	60	°C	
Power consumption in modes other than a	ctive mode			Additional heater				
OFF mode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	8,6	kW	
Standby Mode	P <sub>TO</sub>	0,018	kW					
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied	e	lectrical		
Crankcase heater mode electrical	Рск	0,000	kW					
Otheritems				1				
Capacity control	V	ARIABLE	2	For air-water heat pumps: Rated air flow rate outdoors	-	10650	m₃∖h	
Indoor/outdoor sound level	L <sub>WA</sub>	-/73,0	dB	For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger			m³∖h	
Annual energy consumption	Q <sub>HE</sub>	14390	kWh	outdoors	-	-	1113/11	
For mixed central heating appliances with	a heat pump	`			<u>`</u>		·	
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%	
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Dailyfuel consumption	Q <sub>fuel</sub>	-	kWh	
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
Contact information	Immerga	sS.p.A.vi	a Cisa Li	gure n.95				

Model	MAGISM	122 T		-				
Air/water heat pump			yes	Low temperature heat pump			no	
Water/water heat pump			no	With Supplementary heater			no	
Brine/water heat pump			no	Mixed central heating device with heat pump	p:		no	
Declared weather condition: COLD								
The parameters are declared for the medium	n temperatu	ire applica	ation.					
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	22,4	kW	Room central heating seasonal energy efficiency	$\eta_s$	102,0	%	
$Central heating capacity declared for a part ture of 20^\circ C and outdoor temperature T j$	ial load at in	doortem	pera-	$Central heating capacity declared for a partial load at indoor tent ture of 20^\circ C and outdoor temperature T j$				
$T_j = -7 °C$	Pdh	13,50	kW	$T_j = -7 \ ^{\circ}C$	COPd	2,07	-	
$T_j = + 2 °C$	Pdh	8,60	kW	$T_j = +2 °C$	COPd	3,70	-	
$T_j = +7 °C$	Pdh	5,20	kW	$T_j = +7 °C$	COPd	4,49	-	
T <sub>j</sub> =+ 12 °C	Pdh	3,70	kW	$T_{j} = + 12 °C$	COPd	5,76	-	
T <sub>j</sub> =bivalent temperature	Pdh	13,5	kW	T <sub>j</sub> =bivalent temperature	COPd	2,07	-	
$T_j = operating limit temperature$	Pdh	13,8	kW	$T_j = operating limit temperature$	COPd	1,24	-	
For air-water heat pumps: $Tj = -15^{\circ}C$	Pdh	13,8	kW	For air-water heat pumps: Tj = -15°C	COPd	1,24	-	
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-15	°C	
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-	
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	50	°C	
Power consumption in modes other than a	ctive mode			Additionalheater				
OFF mode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	22,36	kW	
StandbyMode	Рто	0,018	kW					
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied		-		
Crankcase heater mode electrical	Рск	0,000	kW					
Otheritems	-							
Capacity control	V	ARIABLE	3	For air-water heat pumps: Rated air flow rate outdoors	-	10650	m₃∖h	
Indoor/outdoor sound level	L <sub>WA</sub>	-/73	dB	For water or brine-water heat pumps: Rated				
Annual energy consumption	Q <sub>HE</sub>	21067	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h	
For mixed central heating appliances with a	heatpump	`		* 				
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%	
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Dailyfuelconsumption	$Q_{\mathrm{fuel}}$	_	kWh	
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
Contact information	Immerga	sS.p.A.vi	a Cisa Li	gure n.95				

Model	MAGISM	122 T						
Air/water heat pump			yes	Low temperature heat pump			no	
Water/water heat pump			no	With Supplementary heater			no	
Brine/water heat pump			no	Mixed central heating device with heat pump	entral heating device with heat pump:			
Declared weather condition: WARM								
The parameters are declared for the mediu	m temperatu	reapplica	ation.	· · · · · · · · · · · · · · · · · · ·				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	22,0	kW	Room central heating seasonal energy efficiency	$\eta_s$	161,0	%	
$Central heating capacity declared for a part ture of 20^\circ C and outdoor temperature T j$	tial load at in	doortem	pera-	Central heating capacity declared for a partiture of 20°C and outdoor temperature Tj	alloadatin	doortem	pera-	
$T_j = -7 \ ^{\circ}C$	Pdh	-	kW	$T_j = -7 \ ^{\circ}C$	COPd	-	-	
$T_j = +2 °C$	Pdh	22,10	kW	$T_j = + 2 °C$	COPd	2,12	-	
$T_j = +7 °C$	Pdh	14,10	kW	$T_j = +7 °C$	COPd	3,50	-	
$T_{j} = + 12 \ ^{\circ}C$	Pdh	6,40	kW	$T_j = + 12 \text{ °C}$	COPd	5,34	-	
$T_j = bivalent temperature$	Pdh	14,1	kW	T <sub>j</sub> =bivalent temperature	COPd	3,5	-	
T <sub>j</sub> = operating limit temperature	Pdh	22,10	kW	$T_j = operating limit temperature$	COPd	2,12	-	
For air-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-	
Bivalent temperature	$T_{biv}$	7	°C	For air/water heat pumps: Operating limit temperature	TOL	2	°C	
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-	
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	60	°C	
Power consumption in modes other than a	ctive mode			Additional heater				
OFF mode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	0,00	kW	
StandbyMode	Рто	0,018	kW				1	
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied		-		
Crankcase heater mode electrical	Рск	0,000	kW					
Otheritems								
Capacity control	V	ARIABLE	E	For air-water heat pumps: Rated air flow rate outdoors	-	10650	m³∖h	
Indoor/outdoor sound level	L <sub>WA</sub>	-/73	dB	For water or brine-water heat pumps: Rated				
Annual energy consumption	Q <sub>HE</sub>	7180	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h	
For mixed central heating appliances with	aheatpump	`			<u>`</u>			
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%	
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Dailyfuelconsumption	Q <sub>fuel</sub>	-	kWh	
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
Contact information	Immerga	sS.p.A.vi	a Cisa Li	guren.95				

application       /alue     U       26,1     1       26,1     1       or temper       20,6     1       14,30     1       9,30     1       3,90     1       13,8     1       -     1       -6     1	<b>Unit</b> kW	Low temperature heat pump With Supplementary heater Mixed central heating device with heat pump Element Room central heating seasonal energy efficiency Central heating capacity declared for a partia ture of 20°C and outdoor temperature Tj $T_j = -7 °C$ $T_j = + 2 °C$ $T_j = + 7 °C$ $T_j = + 12 °C$ $T_j = bivalent temperature$ $T_j = operating limit temperature$ For air-water heat pumps: $T_j = -15°C$ For air/water heat pumps: Operating limit temperature Efficiency of cycle range	<b>Symbol</b> η <sub>s</sub>	Value           123,0           door temp           1,69           3,11           4,72           5,41           1,88           1,08           -           -10	no no 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
application /alue U 26,1 1 or temper 20,6 1 14,30 1 9,30 1 3,90 1 22,1 1 13,8 1 - 1 -6 1 - 1	no ion. Unit kW era- kW kW kW kW kW kW kW kW	<b>ElementElement</b> Room central heating seasonal energy efficiencyCentral heating capacity declared for a partiature of 20°C and outdoor temperature TjT $_j = -7 °C$ T $_j = + 2 °C$ T $_j = + 7 °C$ T $_j = + 12 °C$ T $_j = bivalent temperatureT_j = operating limit temperatureFor air-water heat pumps: Tj = -15°CFor air/water heat pumps: Operating limittemperature$	Symbol ηs alload at in COPd COPd COPd COPd COPd COPd COPd COPd	123,0 door temp 1,69 3,11 4,72 5,41 1,88 1,08 -	no Unit % pera- - - - - - - - - - - - - - -
application       Zalue     U       26,1     1       or temper       20,6     1       14,30     1       9,30     1       3,90     1       13,8     1       -     1       -6     1	ion. Unit kW era- kW kW kW kW kW kW kW kW c	ElementRoom central heating seasonal energy efficiencyCentral heating capacity declared for a partiative of 20°C and outdoor temperature TjT $_j = -7 °C$ T $_j = + 2 °C$ T $_j = + 7 °C$ T $_j = + 12 °C$ T $_j = + 12 °C$ T $_j = bivalent temperatureT_j = operating limit temperatureFor air-water heat pumps: Tj = -15°CFor air/water heat pumps: Operating limittemperature$	Symbol ηs alload at in COPd COPd COPd COPd COPd COPd COPd COPd	123,0 door temp 1,69 3,11 4,72 5,41 1,88 1,08 -	Unit % pera- - - - - - - - - - - - - - -
Value         U           Value         U           26,1         1           or temper         20,6           14,30         1           9,30         1           3,90         1           13,8         1           -6         1	Unit kW era- kW kW kW kW kW kW kW	Room central heating seasonal energy efficiency Central heating capacity declared for a partia ture of 20°C and outdoor temperature Tj $T_j = -7$ °C $T_j = + 2$ °C $T_j = + 7$ °C $T_j = + 12$ °C $T_j = bivalent temperature$ $T_j = operating limit temperature$ For air-water heat pumps: $Tj = -15$ °C For air/water heat pumps: Operating limit temperature	η <sub>s</sub> alload at in COPd COPd COPd COPd COPd COPd COPd COPd	123,0 door temp 1,69 3,11 4,72 5,41 1,88 1,08 -	% pera- - - - - - - - - - - - - -
Value         U           Value         U           26,1         1           or temper         20,6           14,30         1           9,30         1           3,90         1           13,8         1           -6         1	Unit kW era- kW kW kW kW kW kW kW	Room central heating seasonal energy efficiency Central heating capacity declared for a partia ture of 20°C and outdoor temperature Tj $T_j = -7$ °C $T_j = + 2$ °C $T_j = + 7$ °C $T_j = + 12$ °C $T_j = bivalent temperature$ $T_j = operating limit temperature$ For air-water heat pumps: $Tj = -15$ °C For air/water heat pumps: Operating limit temperature	η <sub>s</sub> alload at in COPd COPd COPd COPd COPd COPd COPd COPd	123,0 door temp 1,69 3,11 4,72 5,41 1,88 1,08 -	% pera- - - - - - - - - - - - - -
26,1     1       or temper       20,6     1       14,30     1       9,30     1       3,90     1       22,1     1       13,8     1       -     1       -6     1	kW era- kW kW kW kW kW kW kW	Room central heating seasonal energy efficiency Central heating capacity declared for a partia ture of 20°C and outdoor temperature Tj $T_j = -7$ °C $T_j = + 2$ °C $T_j = + 7$ °C $T_j = + 12$ °C $T_j = bivalent temperature$ $T_j = operating limit temperature$ For air-water heat pumps: $Tj = -15$ °C For air/water heat pumps: Operating limit temperature	η <sub>s</sub> alload at in COPd COPd COPd COPd COPd COPd COPd COPd	123,0 door temp 1,69 3,11 4,72 5,41 1,88 1,08 -	% pera- - - - - - - - - - - - - -
or temper       20,6       14,30       9,30       3,90       122,1       13,8       -       1       -6       -	era- kW kW kW kW kW kW kW	efficiency Central heating capacity declared for a partia ture of 20°C and outdoor temperature Tj $T_j = -7$ °C $T_j = + 2$ °C $T_j = + 7$ °C $T_j = + 12$ °C $T_j = bivalent temperature$ $T_j = operating limit temperature$ For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit temperature	alload at in COPd COPd COPd COPd COPd COPd COPd COPd	1,69           3,11           4,72           5,41           1,88           1,08           -	
20,6     1       14,30     1       9,30     1       3,90     1       22,1     1       13,8     1       -     1       -6     1	kW kW kW kW kW kW kW	ture of 20°C and outdoor temperature Tj $T_j = -7$ °C $T_j = +2$ °C $T_j = +7$ °C $T_j = +12$ °C $T_j = bivalent temperature$ $T_j = operating limit temperature$ For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit temperature	COPd COPd COPd COPd COPd COPd COPd TOL	1,69 3,11 4,72 5,41 1,88 1,08 -	-
14,30     1       9,30     1       3,90     1       22,1     1       13,8     1       -     1       -6     1	kW kW kW kW kW kW	$T_{j} = + 2 °C$ $T_{j} = + 7 °C$ $T_{j} = + 12 °C$ $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ For air-water heat pumps: $T_{j} = -15°C$ For air/water heat pumps: Operating limit temperature	COPd COPd COPd COPd COPd COPd TOL	3,11 4,72 5,41 1,88 1,08 -	
9,30 1 3,90 1 22,1 1 13,8 1 - 1 -6 - 1	kW kW kW kW °C	$T_{j} = + 7 \text{ °C}$ $T_{j} = + 12 \text{ °C}$ $T_{j} = \text{bivalent temperature}$ $T_{j} = \text{operating limit temperature}$ For air-water heat pumps: $T_{j} = -15^{\circ}\text{C}$ For air/water heat pumps: Operating limit temperature	COPd COPd COPd COPd COPd TOL	4,72 5,41 1,88 1,08 -	
3,90     1       22,1     1       13,8     1       -     1       -6     1       -     1	kW kW kW %C	$T_j = + 12 \text{ °C}$ $T_j = \text{bivalent temperature}$ $T_j = \text{operating limit temperature}$ For air-water heat pumps: $T_j = -15 \text{ °C}$ For air/water heat pumps: Operating limit temperature	COPd COPd COPd COPd TOL	5,41 1,88 1,08 -	-
22,1 1 13,8 1 6 1 6 1	kW kW kW °C	$T_j =$ bivalent temperature $T_j =$ operating limit temperature For air-water heat pumps: $T_j = -15^{\circ}C$ For air/water heat pumps: Operating limit temperature	COPd COPd COPd TOL	1,88 1,08 -	-
13,8 1 - 1 -6 - 1	kW kW °C	T <sub>j</sub> = operating limit temperature For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit temperature	COPd COPd TOL	1,08	-
- ] -6 - ]	kW °C	For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit temperature	COPd TOL	-	-
-6	°C	For air/water heat pumps: Operating limit temperature	TOL		
- ]		temperature		-10	°C
	kW	Efficiency of cycle range	COP		
0,9			0,0	-	-
	-	Heating water operation limit temperature	W <sub>TOLp</sub>	60	°C
		Additionalheater			
),018 l	kW	Rated heat output (*)	Psup	12,28	kW
),018 l	kW				
),096 l	kW	Typeofenergysupplied	e	lectrical	
),000	kW				
IABLE		For air-water heat pumps: Rated air flow rate outdoors	-	11200	m₃∖h
/75,0	dB				
7204 k	kWh	outdoors	-	-	m³∖h
		•			
-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%
- k	kWh	Daily fuel consumption	$Q_{\text{fuel}}$	-	kWh
- k	kWh	Annual fuel consumption	AFC	-	GJ
p.A.viaC	Cisa Lig	gure n.95			
	/75,0 7204 - - p.A.via 0 (applian)	/75,0 dB 7204 kWh - - kWh - kWh p.A.via Cisa Lig	IABLE       rate outdoors         rate outdoors       For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors         7204       kWh         Water central heating energy efficiency         -       kWh         Daily fuel consumption         -       kWh         Annual fuel consumption         p.A. via Cisa Ligure n.95         cappliances mixed with heat pump, the rated heat output P <sub>rated</sub>	IABLE       rate outdoors       -         rate outdoors       -       -         /75,0       dB       For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors       -         7204       kWh       water or brine flow rate, heat exchanger outdoors       -         -       Water central heating energy efficiency       η <sub>wh</sub> -       kWh       Daily fuel consumption       Q <sub>fuel</sub> -       kWh       Annual fuel consumption       AFC         p.A. via Cisa Ligure n.95       -       -         cappliances mixed with heat pump, the rated heat output P <sub>rated</sub> is equal to the pump.       -	IABLE     rate outdoors     -     II200       /75,0     dB     For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors     -     -       7204     kWh     Water central heating energy efficiency     η <sub>wh</sub> -       -     kWh     Daily fuel consumption     Q <sub>fuel</sub> -       -     kWh     Annual fuel consumption     AFC     -

Model	MAGISM	126T					
Air/water heat pump			yes	Low temperature heat pump			no
Water/water heat pump			no	WithSupplementaryheater			no
Brine/water heat pump			no	Mixed central heating device with heat pump:			
Declared weather condition: COLD							
The parameters are declared for the mediu	m temperatu	reapplica	ation.	· · · · · · · · · · · · · · · · · · ·			
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	P <sub>rated</sub>	26,3	kW	Room central heating seasonal energy efficiency	$\eta_s$	101,0	%
$Central heating capacity declared for a part ture of 20^\circ C and outdoor temperature T j$	tial load at in	doortem	pera-	Central heating capacity declared for a partiture of 20°C and outdoor temperature Tj	alload at in	doortem	pera-
$T_j = -7 \ ^{\circ}C$	Pdh	15,90	kW	$T_j = -7 \ ^{\circ}C$	COPd	2,10	-
$T_j = +2 °C$	Pdh	10,20	kW	$T_j = +2 °C$	COPd	3,58	-
$T_j = +7 °C$	Pdh	6,50	kW	$T_j = +7 °C$	COPd	4,99	-
$T_j = + 12 \ ^{\circ}C$	Pdh	3,60	kW	$T_j = + 12 \text{ °C}$	COPd	5,68	-
$T_j = bivalent temperature$	Pdh	15,9	kW	$T_j = bivalent temperature$	COPd	2,1	-
T <sub>j</sub> = operating limit temperature	Pdh	13,4	kW	$T_j = operating limit temperature$	COPd	1,2	-
For air-water heat pumps: Tj = -15°C	Pdh	13,4	kW	For air-water heat pumps: Tj = -15°C	COPd	1,2	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-15	°C
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	50	°C
Power consumption in modes other than a	ctive mode			Additional heater			
OFF mode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	26,27	kW
StandbyMode	Рто	0,018	kW				
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied		-	
Crankcase heater mode electrical	Рск	0,000	kW				
Otheritems							
Capacity control	V	ARIABLE	E	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m₃∖h
Indoor/outdoor sound level	L <sub>WA</sub>	-/75	dB	For water or brine-water heat pumps: Rated			
Annual energy consumption	Q <sub>HE</sub>	24967	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h
For mixed central heating appliances with	aheatpump						
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact information	Immerga	sS.p.A.vi	a Cisa Li	gure n.95			

Model	MAGISM	126T						
Air/water heat pump			yes	Low temperature heat pump			no	
Water/water heat pump			no	With Supplementary heater			no	
Brine/water heat pump			no	Mixed central heating device with heat pump	o:		no	
Declared weather condition: WARM								
The parameters are declared for the medium	n temperatu	reapplica	ation.					
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	26,2	kW	Room central heating seasonal energy efficiency	$\eta_s$	168,0	%	
Central heating capacity declared for a part ture of 20°C and outdoor temperature Tj	tialload at in	doortem	pera-	Central heating capacity declared for a partial load at indoor ten ture of 20°C and outdoor temperature Tj				
$T_j = -7 °C$	Pdh	-	kW	$T_j = -7 \ ^{\circ}C$	COPd	-	-	
$T_j = + 2 °C$	Pdh	26,50	kW	$T_j = + 2 °C$	COPd	1,99	-	
T <sub>j</sub> =+ 7 °C	Pdh	16,90	kW	$T_j = +7 °C$	COPd	3,47	-	
T <sub>j</sub> =+ 12 °C	Pdh	7,60	kW	$T_j = + 12 °C$	COPd	5,94	-	
T <sub>j</sub> =bivalent temperature	Pdh	16,9	kW	T <sub>j</sub> = bivalent temperature	COPd	3,47	-	
T <sub>j</sub> =operatinglimit temperature	Pdh	26,50	kW	$T_j = operating limit temperature$	COPd	1,99	-	
For air-water heat pumps: $Tj = -15^{\circ}C$	Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-	
Bivalent temperature	T <sub>biv</sub>	7	°C	For air/water heat pumps: Operating limit temperature	TOL	2	°C	
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-	
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	60	°C	
Power consumption in modes other than a	ctive mode			Additionalheater				
OFFmode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	0,00	kW	
Standby Mode	Рто	0,018	kW					
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied		-		
Crankcase heater mode electrical	Рск	0,000	kW					
Otheritems								
Capacity control	V	ARIABLE	3	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³∖h	
Indoor/outdoor sound level	L <sub>WA</sub>	-/75	dB	For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger			m³∖h	
Annual energy consumption	Q <sub>HE</sub>	8218	kWh	outdoors	_	-	1113/II	
For mixed central heating appliances with a	heatpump							
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%	
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Dailyfuelconsumption	$Q_{\mathrm{fuel}}$	-	kWh	
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
Contact information	Immerga	s S.p.A. vi	a Cisa Li	gure n.95				

Model	MAGISM	130 T						
Air/water heat pump			yes	Low temperature heat pump			no	
Water/water heat pump			no	With Supplementary heater			no	
Brine/water heat pump			no	Mixed central heating device with heat pump:				
Declared weather condition: MEDIUM	_		-					
The parameters are declared for the medium		reapplica	ation.	1	1			
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	29,7	kW	Room central heating seasonal energy efficiency	η	123,0	%	
$Central heating capacity declared for a part ture of 20^\circ C and outdoor temperature T j$	ial load at in	doortem	pera-	Central heating capacity declared for a parti ture of 20°C and outdoor temperature Tj	alloadatin	doortem	pera-	
$T_j = -7 °C$	Pdh	20,1	kW	$T_j = -7 \ ^{\circ}C$	COPd	1,63	-	
$T_j = + 2 °C$	Pdh	16,50	kW	$T_j = + 2 °C$	COPd	3,09	-	
$T_j = +7 °C$	Pdh	10,50	kW	$T_j = +7 °C$	COPd	4,73	-	
$T_j = + 12 °C$	Pdh	4,70	kW	$T_{j} = + 12 \text{ °C}$	COPd	5,85	-	
$T_j = bivalent temperature$	Pdh	24,0	kW	T <sub>j</sub> =bivalent temperature	COPd	2,02	-	
$T_j = operating limit temperature$	Pdh	13,8	kW	T <sub>j</sub> =operatinglimit temperature	COPd	1,07	-	
For air-water heat pumps: $Tj = -15^{\circ}C$	Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-	
Bivalent temperature	T <sub>biv</sub>	-5	°C	For air/water heat pumps: Operating limit temperature	TOL	-10	°C	
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-	
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	60	°C	
Power consumption in modes other than ac	tive mode			Additional heater				
OFF mode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	15,86	kW	
StandbyMode	P <sub>TO</sub>	0,018	kW					
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied	e	lectrical		
Crankcase heater mode electrical	Рск	0,000	kW					
Otheritems	1			1	1			
Capacity control	V	ARIABLE	2	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³∖h	
Indoor/outdoor sound level	L <sub>WA</sub>	-/77,0	dB	For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger			m³∖h	
Annual energy consumption	Q <sub>HE</sub>	19316	kWh	outdoors	-	-	1115/11	
For mixed central heating appliances with a	heatpump				<u>`</u>			
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%	
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Dailyfuelconsumption	$Q_{\mathrm{fuel}}$	-	kWh	
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
Contactinformation	Immerga	sS.p.A.vi	a Cisa Li	gure n.95				

Model	MAGISM	130T					
Air/water heat pump			yes	Low temperature heat pump			no
Water/water heat pump			no	WithSupplementaryheater			no
Brine/water heat pump			no	Mixed central heating device with heat pump	p:		no
Declared weather condition: COLD							
The parameters are declared for the medium	ntemperatu	reapplica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	P <sub>rated</sub>	30,4	kW	Room central heating seasonal energy efficiency	η	100,0	%
Central heating capacity declared for a part ture of 20°C and outdoor temperature Tj	tialloadatin	doortem	pera-	Central heating capacity declared for a partiture of 20°C and outdoor temperature Tj	alloadatin	door tem <sub>j</sub>	pera-
$T_j = -7 °C$	Pdh	18,40	kW	$T_j = -7 \ ^{\circ}C$	COPd	2,10	-
$T_j = +2 °C$	Pdh	11,20	kW	$T_j = + 2 °C$	COPd	3,51	-
T <sub>j</sub> =+ 7 °C	Pdh	7,40	kW	$T_j = +7 °C$	COPd	5,18	-
$T_j = + 12 ^{\circ}C$	Pdh	3,60	kW	$T_{j} = + 12 \ ^{\circ}C$	COPd	5,73	-
$T_j = bivalent temperature$	Pdh	18,4	kW	$T_j = bivalent temperature$	COPd	2,1	-
T <sub>j</sub> =operatinglimit temperature	Pdh	13,1	kW	$T_j = operating limit temperature$	COPd	1,18	-
For air-water heat pumps: $Tj = -15^{\circ}C$	Pdh	13,1	kW	For air-water heat pumps: Tj = -15°C	COPd	1,18	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-15	°C
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	50	°C
Power consumption in modes other than a	ctive mode			Additionalheater			
OFFmode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	30,41	kW
Standby Mode	Рто	0,018	kW				
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied	e	lectrical	
Crankcase heater mode electrical	Рск	0,000	kW				
Otheritems							
Capacity control	V	ARIABLE	]	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m₃∖h
Indoor/outdoor sound level	L <sub>WA</sub>	-/77	dB	For water or brine-water heat pumps: Rated			
Annual energy consumption	Q <sub>HE</sub>	29238	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h
For mixed central heating appliances with a	heatpump			•			
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Dailyfuelconsumption	Q <sub>fuel</sub>	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact information	Immerga	sS.p.A.vi	a Cisa Li	gure n.95			

Model	MAGISM	130 T						
Air/water heat pump			yes	Low temperature heat pump			no	
Water/water heat pump			no	With Supplementary heater			no	
Brine/water heat pump			no	Mixed central heating device with heat pump:				
Declared weather condition: WARM								
The parameters are declared for the mediu:		reapplica	ation.	1				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	29,7	kW	Room central heating seasonal energy efficiency	$\eta_s$	163,0	%	
$Central heating capacity declared for a parture of 20^\circ C and outdoor temperature T j$	tial load at in	doortem	pera-	Central heating capacity declared for a parti- ture of 20°C and outdoor temperature Tj	alloadatin	doortem	pera-	
$T_j = -7 °C$	Pdh	-	kW	$T_j = -7 \ ^{\circ}C$	COPd	-	-	
$T_j = + 2 °C$	Pdh	26,40	kW	$T_j = +2 °C$	COPd	1,99	-	
$T_j = +7 °C$	Pdh	19,10	kW	$T_j = +7 °C$	COPd	3,37	-	
T <sub>j</sub> =+ 12 °C	Pdh	8,90	kW	$T_{j} = + 12 \text{ °C}$	COPd	6,09	-	
$T_j = bivalent temperature$	Pdh	19,1	kW	$T_j = bivalent temperature$	COPd	3,37	-	
$T_j$ = operating limit temperature	Pdh	26,40	kW	$T_j = operating limit temperature$	COPd	1,99	-	
For air-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-	
Bivalent temperature	T <sub>biv</sub>	7	°C	For air/water heat pumps: Operating limit temperature	TOL	2	°C	
Capacity of the cycle range for central heating	P <sub>cych</sub>	-	kW	Efficiency of cycle range	COP <sub>cyc</sub>	-	-	
Degradation coefficient (**)	C <sub>dh</sub>	0,9	-	Heating water operation limit temperature	W <sub>TOLp</sub>	60	°C	
Power consumption in modes other than a	ctive mode			Additional heater				
OFF mode	P <sub>OFF</sub>	0,018	kW	Rated heat output (*)	Psup	3,32	kW	
Standby Mode	Рто	0,018	kW					
Thermostat OFF mode	P <sub>SB</sub>	0,096	kW	Type of energy supplied	e	lectrical		
Crankcase heater mode electrical	Рск	0,000	kW					
Otheritems	-1		-				r	
Capacity control	V	ARIABLE	2	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m₃∖h	
Indoor/outdoor sound level	L <sub>WA</sub>	-/77	dB	For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger			m 2\ 1-	
Annual energy consumption	Q <sub>HE</sub>	9580	kWh	outdoors	-	-	m³∖h	
For mixed central heating appliances with	a heat pump				<u>`</u>		·	
Stated load profile		-		Water central heating energy efficiency	$\eta_{\rm wh}$	-	%	
Daily electrical power consumption	Q <sub>elec</sub>	-	kWh	Dailyfuelconsumption	$Q_{\mathrm{fuel}}$	-	kWh	
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ	
Contact information	Immerga	sS.p.A.vi	a Cisa Li	gure n.95				



### INFORMATION REQUIREMENTS FOR SPACE CHILLERS

Information requirements for space chillers										
Model			MAGISM18T							
Heat exchanger:			Air-Water							
Type:				Steam compression cycl	e					
Compressor start-up:				Electric motor						
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	16,60	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	185,0	%			
Cooling capacity declared for partial load at ture Tj	a given out	doortemj	pera-	Cooling capacity declared for partial load at ture Tj	a given out	doortem	pera-			
Tj=+35°C	P <sub>dc</sub>	16,60	kW	Tj=+35°C	EER <sub>d</sub>	3,06	-			
Tj=+30°C	P <sub>dc</sub>	11,90	kW	Tj=+30°C	EER <sub>d</sub>	4,13	-			
Tj=+25°C	P <sub>dc</sub>	7,60	kW	$Tj = +25^{\circ}C$	EER <sub>d</sub>	5,59	-			
$Tj = +20^{\circ}C$	P <sub>dc</sub>	3,50	kW	$Tj = +20^{\circ}C$	EER <sub>d</sub>	5,55	-			
		1	1	1	1	<u> </u>	1			
Degradation coefficient for chillers (*)	C <sub>dc</sub>	0,9	-							
Power consumption in modes other than "a	active mod	e"		^ 	~					
OFF mode	P <sub>OFF</sub>	0,017	kW	Crankcase heater mode electrical	Рск	0,000	kW			
Thermostat OFF mode	Рто	0,084	kW	StandbyMode	P <sub>SB</sub>	0,017	kW			
Otheritems				•						
Capacity control	VA	ARIABLE	3	For air-water emergency chillers: air flow		8100	m³\h			
Sound power level, indoors/outdoors	L <sub>WA</sub>	-\71	dB	rate, measured outdoors	-	8100	1113/11			
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	-	mg∖ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side heat exchanger	-	-	m³\h			
GWP of refrigerant	-	675	kg CO <sub>2eq</sub>							
Standard rating conditions used	Lowtemp	eratureaj	pplicatio	n						
Contact information	Immergas	sS.p.A. vi	a Cisa Lig	gure n.95						

Model			MAGIS M18 T							
Heat exchanger:			Air-Water							
Туре:				Steam compression cycl	e					
Compressor start-up:				Electric motor						
compressor start up.										
Element Symbol Value				Element	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	18,40	kW	Space heating seasonal energy efficiency	η <sub>s,c</sub>	216,0	%			
Cooling capacity declared for partial load at ture Tj		doortemj	pera-	Cooling capacity declared for partial load a ture Tj	a given out	doortemj	pera-			
Tj=+35°C	P <sub>dc</sub>	18,40	kW	Tj=+35°C	EER <sub>d</sub>	4,44	-			
Tj=+30°C	P <sub>dc</sub>	13,30	kW	Tj=+30°C	EER <sub>d</sub>	5,26	-			
Tj=+25°C	P <sub>dc</sub>	8,50	kW	$Tj = +25^{\circ}C$	EER <sub>d</sub>	6,68	-			
Tj=+20°C	P <sub>dc</sub>	3,30	kW	Tj=+20°C	EER <sub>d</sub>	5,15	-			
					1	1				
Degradation coefficient for chillers (*)	C <sub>dc</sub>	0,9	-							
Power consumption in modes other than "a	active mod	e"								
OFF mode	$\mathbf{P}_{\mathrm{OFF}}$	0,017	kW	Crankcase heater mode electrical	Рск	0,000	kW			
Thermostat OFF mode	P <sub>TO</sub>	0,084	kW	StandbyMode	P <sub>SB</sub>	0,017	kW			
Otheritems										
Capacity control	VA	ARIABLE	E	For air-water emergency chillers: air flow		8100	m³\h			
Sound power level, indoors/outdoors	L <sub>WA</sub>	-\71	dB	rate, measured outdoors	-	8100				
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	_	mg∖ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side	-	-	m³\h			
GWP of refrigerant	-	675	kg CO <sub>2eq</sub>	heatexchanger						
Standard rating conditions used	Mediumt	emperatu	ıreapplie	cation						
Contact information	Immergas	sS.p.A.vi	a Cisa Liş	gure n.95						

Model			MAGISM22T							
			Air-Water							
Heat exchanger:										
Type:				Steam compression cycl	e					
Compressor start-up:				Electric motor						
Element Symbol Value				Element	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	20,60	kW	Space heating seasonal energy efficiency	η <sub>s,c</sub>	185,0	%			
Cooling capacity declared for partial load at ture Tj	a given out	doortemj	pera-	Cooling capacity declared for partial load at ture Tj	a given out	door temj	pera-			
Tj=+35°C	P <sub>dc</sub>	20,60	kW	Tj=+35°C	EER <sub>d</sub>	2,89	-			
Tj=+30°C	P <sub>dc</sub>	14,90	kW	Tj=+30°C	EER <sub>d</sub>	3,95	-			
Tj=+25°C	P <sub>dc</sub>	9,30	kW	Tj = +25°C	EER <sub>d</sub>	5,37	-			
Tj=+20°C	P <sub>dc</sub>	4,30	kW	Tj = +20°C	EER <sub>d</sub>	6,19	-			
	1									
Degradation coefficient for chillers (*)	C <sub>dc</sub>	0,9	-							
Power consumption in modes other than "a	active mod	e"								
OFF mode	P <sub>OFF</sub>	0,017	kW	Crankcase heater mode electrical	Рск	0,000	kW			
Thermostat OFF mode	Рто	0,084	kW	Standby Mode	P <sub>SB</sub>	0,017	kW			
Otheritems					·					
Capacity control	V	ARIABLE	2	For air-water emergency chillers: air flow		8950	m³∖h			
Sound power level, indoors/outdoors	L <sub>WA</sub>	-\73	dB	rate, measured outdoors	-	8930				
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	-	mg∖ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side heat exchanger	-	-	m³\h			
GWP of refrigerant	-	675	kg CO <sub>2eq</sub>	incarexcitaliget						
Standard rating conditions used	Lowtemp	eraturea	pplicatio	n						
Contact information	Immerga	s S.p.A. vi	a Cisa Lig	gure n.95						

Model			MAGIS M22 T							
Heat exchanger:			Air-Water							
Туре:				Steam compression cycl	e					
Compressor start-up:				Electric motor						
Element Symbol Value				Element	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	22,80	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	224,0	%			
Cooling capacity declared for partial load at ture Tj		doortemj	pera-	Cooling capacity declared for partial load a ture Tj	a given out	doortemj	pera-			
Tj=+35°C	P <sub>dc</sub>	22,80	kW	Tj=+35°C	EER <sub>d</sub>	4,25	-			
Tj=+30°C	P <sub>dc</sub>	16,30	kW	Tj=+30°C	EER <sub>d</sub>	5,16	-			
Tj = +25°C	P <sub>dc</sub>	10,20	kW	Tj=+25°C	EER <sub>d</sub>	6,45	-			
Tj = +20°C	P <sub>dc</sub>	4,60	kW	Tj=+20°C	EER <sub>d</sub>	6,38	-			
	1	<u></u>	ļ		1		1			
Degradation coefficient for chillers (*)	C <sub>dc</sub>	0,9	-							
Power consumption in modes other than "a	active mod	e"								
OFF mode	P <sub>OFF</sub>	0,017	kW	Crankcase heater mode electrical	Рск	0,000	kW			
ThermostatOFFmode	P <sub>TO</sub>	0,084	kW	StandbyMode	P <sub>SB</sub>	0,017	kW			
Otheritems										
Capacity control	V	ARIABLE	2	For air-water emergency chillers: air flow		8950	m³\h			
Sound power level, indoors/outdoors	L <sub>WA</sub>	-\73	dB	rate, measured outdoors	-	8950				
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	-	mg∖ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side	-	-	m³\h			
GWP of refrigerant	-	675	kg CO <sub>2eq</sub>	heatexchanger						
Standard rating conditions used	Mediumt	emperatı	ıreapplie	cation						
Contact information	Immerga	sS.p.A.vi	a Cisa Liş	gure n.95						

Information requirements for space chillers										
Model			MAGISM26T							
Heat exchanger:			Air-Water							
Туре:				Steam compression cycl	e					
Compressor start-up:				Electric motor						
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	25,50	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	183,0	%			
Cooling capacity declared for partial load at ture Tj	a given out	doortemj	pera-	Cooling capacity declared for partial load a ture Tj	ta given out	doortem	pera-			
Tj=+35°C	P <sub>dc</sub>	25,50	kW	Tj = +35°C	EER <sub>d</sub>	2,63	-			
Tj=+30°C	P <sub>dc</sub>	18,50	kW	Tj = +30°C	EER <sub>d</sub>	3,79	-			
Tj=+25°C	P <sub>dc</sub>	11,80	kW	$Tj = +25^{\circ}C$	EER <sub>d</sub>	5,19	-			
Tj=+20°C	P <sub>dc</sub>	5,60	kW	Tj = +20°C	EER <sub>d</sub>	6,84	-			
	1	1	1	•	1	<u> </u>	1			
Degradation coefficient for chillers (*)	C <sub>dc</sub>	0,9	-							
Power consumption in modes other than "a	active mod	e"		•						
OFF mode	P <sub>OFF</sub>	0,017	kW	Crankcase heater mode electrical	Рск	0,000	kW			
Thermostat OFF mode	Рто	0,084	kW	Standby Mode	P <sub>SB</sub>	0,017	kW			
Otheritems										
Capacity control	VA	ARIABLE	3	For air-water emergency chillers: air flow		0750	m³\h			
Sound power level, indoors/outdoors	L <sub>WA</sub>	-\75	dB	rate, measured outdoors	-	9750				
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	-	mg∖ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side heat exchanger	-	_	m³\h			
GWP of refrigerant	-	675	kg CO <sub>2eq</sub>	nearexchanger						
Standard rating conditions used	Lowtemp	eraturea	pplicatio	n						
Contact information	Immerga	sS.p.A.vi	a Cisa Lig	gure n.95						

Model			MAGIS M26 T							
Heat exchanger:			Air-Water							
Туре:				Steam compression cycl	e					
Compressor start-up:				Electric motor						
Element Symbol Value				Element	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	26,80	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	226,0	%			
Cooling capacity declared for partial load at ture Tj	a given out	doortemj	pera-	Cooling capacity declared for partial load a ture Tj	t a given out	doortemj	pera-			
Tj=+35°C	P <sub>dc</sub>	26,80	kW	Tj=+35°C	EER <sub>d</sub>	4,04	-			
Tj=+30°C	P <sub>dc</sub>	19,40	kW	Tj=+30°C	EER <sub>d</sub>	5,21	-			
Tj = +25°C	P <sub>dc</sub>	12,10	kW	Tj=+25°C	EER <sub>d</sub>	6,23	-			
Tj = +20°C	P <sub>dc</sub>	5,90	kW	Tj = +20°C	EER <sub>d</sub>	6,94	-			
	1	<u></u>	ļ	1	1		1			
Degradation coefficient for chillers (*)	C <sub>dc</sub>	0,9	-							
Power consumption in modes other than "a	active mod	e"		•						
OFF mode	P <sub>OFF</sub>	0,017	kW	Crankcase heater mode electrical	Рск	0,000	kW			
Thermostat OFF mode	P <sub>TO</sub>	0,084	kW	Standby Mode	P <sub>SB</sub>	0,017	kW			
Otheritems				•						
Capacity control	VA	ARIABLE	2	For air-water emergency chillers: air flow		9750	m³\h			
Sound power level, indoors/outdoors	L <sub>WA</sub>	-\75	dB	rate, measured outdoors	-	9750				
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	-	mg∖ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side	-	-	m₃∖h			
GWP of refrigerant	-	675	kg CO <sub>2eq</sub>	heat exchanger						
Standard rating conditions used	Mediumt	emperatı	ıreappli	cation						
Contact information	Immergas	sS.p.A.vi	a Cisa Li	gure n.95						

Model			MAGIS M30 T							
Heat exchanger:			Air-Water							
Type:				Steam compression cycl	e					
Compressor start-up:				Electric motor	1					
Element Symbol Value				Element	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	29,50	kW	Space heating seasonal energy efficiency	η <sub>s,c</sub>	177,0	%			
Cooling capacity declared for partial load at ture Tj	a given out	doortemj	pera-	Cooling capacity declared for partial load at ture Tj	a given out	doortem	pera-			
Tj=+35°C	P <sub>dc</sub>	29,50	kW	Tj=+35°C	EER <sub>d</sub>	2,29	-			
Tj=+30°C	P <sub>dc</sub>	21,20	kW	Tj=+30°C	EER <sub>d</sub>	3,62	-			
Tj=+25°C	P <sub>dc</sub>	13,50	kW	Tj = +25°C	EER <sub>d</sub>	5,06	-			
Tj=+20°C	P <sub>dc</sub>	6,00	kW	Tj = +20°C	EER <sub>d</sub>	6,75	-			
		1	1	1		1	1			
Degradation coefficient for chillers (*)	C <sub>dc</sub>	0,9	-							
Power consumption in modes other than "a	active mod	e"								
OFF mode	$\mathbf{P}_{\mathrm{OFF}}$	0,017	kW	Crankcase heater mode electrical	Рск	0,000	kW			
Thermostat OFF mode	P <sub>to</sub>	0,084	kW	Standby Mode	P <sub>SB</sub>	0,017	kW			
Otheritems										
Capacity control	V	ARIABLE	2	For air-water emergency chillers: air flow		10650	m³∖h			
Sound power level, indoors/outdoors	$L_{WA}$	-\77	dB	rate, measured outdoors	-	10650				
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	-	mg∖ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side heat exchanger	-	-	m³\h			
GWP of refrigerant	-	675	kg CO <sub>2eq</sub>	incarexcitaliget						
Standard rating conditions used	Lowtemp	eraturea	pplicatio	n						
Contact information	Immerga	s S.p.A. vi	a Cisa Liş	gure n.95						

Model			MAGIS M30 T								
Heat exchanger:				Air-Water							
Туре:				Steam compression cycl	e						
Compressor start-up:				Electric motor							
1 1											
Element Symbol Value				Element	Symbol	Value	Unit				
Rated cooling capacity	P <sub>rated,c</sub>	30,80	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	225,0	%				
Cooling capacity declared for partial load at ture Tj	a given out	door temj	pera-	Cooling capacity declared for partial load a ture Tj	a given out	doortemp	bera-				
Tj=+35°C	P <sub>dc</sub>	30,80	kW	Tj = +35°C	EER <sub>d</sub>	3,79	-				
Tj=+30°C	P <sub>dc</sub>	22,10	kW	Tj=+30°C	EER <sub>d</sub>	5,06	-				
Tj = +25°C	P <sub>dc</sub>	13,90	kW	Tj=+25°C	EER <sub>d</sub>	6,33	-				
Tj = +20°C	P <sub>dc</sub>	6,30	kW	Tj = +20°C	EER <sub>d</sub>	7,01	-				
	<u> </u>	<u> </u>			1		<u> </u>				
Degradation coefficient for chillers (*)	C <sub>dc</sub>	0,9	-								
Power consumption in modes other than "a	active mod	e"									
OFF mode	P <sub>OFF</sub>	0,017	kW	Crankcase heater mode electrical	Рск	0,000	kW				
ThermostatOFFmode	P <sub>TO</sub>	0,084	kW	StandbyMode	P <sub>SB</sub>	0,017	kW				
Otheritems											
Capacity control	VA	ARIABLE	2	For air-water emergency chillers: air flow		10650	m³\h				
Sound power level, indoors/outdoors	L <sub>WA</sub>	-\77	dB	rate, measured outdoors	-	10650					
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)	-	mg∖ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side	-	-	m³∖h				
GWP of refrigerant	-	675	kg CO <sub>2eq</sub>	heatexchanger							
Standard rating conditions used	Mediumt	emperatı	ıreapplie	cation							
Contact information	Immergas	sS.p.A.vi	a Cisa Liş	gure n.95							

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### TECHNICAL DATA TABLE ON ENVIRONMENTAL CONDITIONS

Conditions (°C)		MAGISM18T	MAGIS M22 T	MAGISM26T	MAGISM30T
	Capacity(kW)	17,0	21,0	26,0	29,5
Room Temperature: 35/24 Water Temperature: 12/7	Absorbed power (kW)	5,57	7,12	9,63	11,57
water reinperature. 12/7	EER/COP(/)	3,05	2,95	2,7	2,55
	Capacity(kW)	18,5	23,0	27,0	31,0
Room Temperature: 35/24 Water Temperature: 23/18	Absorbed power (kW)	3,9	5,0	6,28	7,75
Water reinperature. 23/10	EER/COP(/)	4,75	4,6	4,3	4,0
bom Temperature: 7/6	Capacity(kW)	18,0	22,0	26,0	30,1
Room Temperature: 7/6 Water Temperature: 30/35	Absorbed power (kW)	3,83	5,0	6,37	7,7
water reinperature. 50/55	EER/COP(/)	4,7	4,4	4,08	3,91
	Capacity(kW)	18,00	22,00	24,00	26,00
Room Temperature: 2/1 Water Temperature: 30/35	Absorbed power (kW)	5,33	7,10	8,33	9,29
water reinperature. 50/55	EER/COP(/)	3,38	3,10	2,88	2,80
	Capacity(kW)	18,00	21,00	22,00	23,00
Room Temperature: -7/-8 Water Temperature: 30/35	Absorbed power (kW)	6,67	8,08	8,80	9,39
water reinperature. 50/55	EER/COP(/)	2,70	2,60	2,50	2,45
	Capacity(kW)	18,0	22,0	26,0	30,0
Room Temperature: 7/6 Water Temperature: 40/45	Absorbed power (kW)	5,14	6,47	8,39	10,35
mater remperature. 40/45	EER/COP(/)	3,5	3,4	3,1	2,9
	Capacity(kW)	18,0	22,0	26,0	30,0
Room Temperature: 7/6 Water Temperature: 47/55	Absorbed power (kW)	6,55	8,3	10,61	13,04
mater remperature. 47755	EER/COP(/)	2,75	2,65	2,45	2,3

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