

OIMMERGAS

MAGIS M18-22-26-30

Block heat pumps
Three-phase
Technical Data



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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\ Im-period\ of\ time\ able\ to\ assure\ well-being\ and\ safety\ for\ a\ long\ period\ of\ time\ able\ to\ assure\ well-being\ and\ safety\ for\ a\ long\ period\ of\ time\ able\ to\ assure\ well-being\ and\ safety\ for\ a\ long\ period\ of\ time\ able\ to\ assure\ well-being\ and\ safety\ for\ a\ long\ period\ of\ time\ able\ to\ assure\ well-being\ and\ safety\ for\ a\ long\ period\ of\ time\ able\ to\ assure\ well-being\ and\ safety\ for\ a\ long\ period\ of\ time\ able\ to\ assure\ well-being\ and\ safety\ for\ a\ long\ period\ of\ time\ able\ to\ assure\ well-being\ able\ to\ assure\ to\ able\ to\ able\ to\ assure\ to\ able\ to\$ mergas customer you can also count on a Qualified Authorised After-Sales Technical Assistance Centre, prepared and updated to guarantee constant efficiency of your appliance. 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, manufac $turing and after-sales \ assistance \ processes \ comply \ with the \ requirements \ of \ standard \ UNIEN ISO 9001:2015.$

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.

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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-contractual liability 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: www.immergas.com

TECHNICALDATA

1.1 **MEDIUM TEMPERATURE APPLICATIONS**

		For medium temperature applications						
			Medium zone temperatures					
Model	Model Energy efficiency Sound	Sound power of unit		Spaceheating	For space heating,			
Model	class	oouna power or unit	Nominal heat output	seasonalenergy	annualpower			
			efficiency	consumption				
	-	dB	kW	%	kWh			
MAGISM18T	A++	71,0	17,7	125,0	11375			
MAGISM22T	A++	73,0	22,4	126,0	14390			
MAGISM26T	A+	75,0	26,1	26,1 123,0				
MAGISM30T	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	101,0	24967			
MAGIS M30 T	A+	77,0	30,4	100,0	29238			

		For medium temperature applications							
			Hotzones temperatures						
Model	Energy efficiency class	Sound power of linit		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	22,0 161,0					
MAGISM26T	A+	75,0	26,2	168,0	8218				
MAGISM30T	A+	77,0	29,7	163,0	9580				

1.2 LOW TEMPERATURE APPLICATIONS

		Forlowtemperatureapplications						
			M	edium zone temperatur	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			
MAGIS M30 T	A++	77,0	29,0	165,0	14165			

		Forlowtemperatureapplications							
				Cold zones temperature	itures				
Model	Energy efficiency class	Sound power of linit		Space heating seasonal energy efficiency	For space heating, annual power consumption				
	-	dB	kW	%	kWh				
MAGISM18T	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				

		Forl	Forlowtemperatureapplications					
				Hot zones temperatures	3			
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			
MAGISM30T	A++	77,0	30,0	213,0	7540			

2 PRODUCT DATA SHEET

Space heating appliance with heat pump		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
Space heating	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 temperature = -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 (η _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
Spaceheating 55°C	Space heating seasonal energy efficiency (η_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	MAGISM18 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 _d (Declared COP)	-	2,85	2,74	2,56	2,53
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	9,67	12,04	13,78	16,22
(B) Condition (2°C)	COP _d (Declared COP)	-	4,57	4,40	4,41	4,12
	C _{dh} (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 _d (Declared COP)	-	5,95	6,24	6,43	6,21
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	3,77	3,81	4,11	4,59
(D) Condition (12°C)	COP _d (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 M26T	MAGIS M30T
	Tol (operation limit temperature)	°C	-10	-10	-10	-10
(E) Tol (or enotion limit terms on	P _{dh} (Declared heating capacity)	kW	18,14	20,34	20,36	20,43
(E) Tol (operation limit temperature)	COP _d (Declared COP)	-	2,49	2,35	2,34	2,34
	W _{TOL} (Water heating limit operation)	°C	60	60	60	60
	T_{blv}	°C	-7	-7	-7	-5
(F) T _{bivalente} temperature	P _{dh} (Declared heating capacity)	kW	15,91	19,73	22,15	23,57
	COP _d (Declared COP)	-	2,85	2,74	2,56	2,7
Supplementary capacity to P _{design}	P _{sup} (@T _{designh} : -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 _{dh} (Declared heating capacity)	kW	15,6	19,8	20,6	20,1
(A) Condition (-7°C)	COP _d (Declared COP)	-	1,72	1,74	1,69	1,63
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	9,60	11,90	14,30	16,50
(B) Condition (2°C)	COP _d (Declared COP)	-	3,30	3,30	3,11	3,09
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	6,40	8,00	9,30	10,50
(C) Condition (7°C)	COP _d (Declared COP)	-	4,41	4,62	4,72	4,73
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	3,60	3,60	3,90	4,70
(D) Condition (12°C)	COP _d (Declared COP)	-	5,09	5,20	5,41	5,85
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	Tol (operation limit temperature)	°C	-10	-10	-10	-10
(F) T-1(P _{dh} (Declared heating capacity)	kW	15,0	13,8	13,8	13,8
(E) Tol (operation limit temperature)	COP _d (Declared COP)	-	1,17	1,08	1,08	1,07
	W _{TOL} (Water heating limit operation)	°C	60	60	60	60
	T _{blv}	°C	-7	-7	-6	-5
(F) T _{bivalente} temperature	P _{dh} (Declared heating capacity)	kW	15,6	19,8	22,1	24,0
	COP _d (Declared COP)	-	1,72	1,74	1,88	2,02
Supplementary capacity to P _{design}	P _{sup} (@T _{designh} : -10°C)	kW	2,64	8,6	12,28	15,86

Cold weather (Design temperature	=-22°C)	Unit	MAGISM18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	P _{rated} (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 _{rated} (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	weather space heating partial load	Unit	MAGISM18 T	MAGIS M22T	MAGIS M26T	MAGIS M30T
	P _{dh} (Declared heating capacity)	kW	14,49	17,46	18,95	18,61
Condition (-15°C)	COP _d (Declared COP)	-	2,42	2,36	2,27	2,24
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	11,21	13,3	15,91	18,49
(A) Condition (-7°C)	COP _d (Declared COP)	-	3,09	3,12	3,10	3,07
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	6,64	8,25	10,1	11,88
(B) Condition (2°C)	COP _d (Declared COP)	-	4,50	4,42	4,45	4,42
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	4,77	5,45	6,3	7,53
(C) Condition (7°C)	COP _d (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 _d (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 onetion limit town one	P _{dh} (Declared heating capacity)	kW	13,14	13,27	13,07	13,17
(E) Tol (operation limit temperature)	COP _d (Declared COP)	-	1,67	1,69	1,67	1,67
	W _{TOL} (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 M26T	MAGIS M30T
	T _{blv}	°C	-15	-15	-12	-10
(F) T _{bivalente} temperature	P _{dh} (Declared heating capacity)	kW	14,49	17,46	18,97	19,93
	COP _d (Declared COP)	-	2,42	2,36	2,36	2,44
Supplementary capacity to P _{design}	P _{sup} (@T _{designh} : -22°C)	kW	4,62	8,13	12,68	15,96

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

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

Warm weather (Design temperatur	re=2°C)	Unit	MAGISM18 T	MAGIS M22T	MAGIS M26T	MAGIS M30T
	P _{rated} (declared heating capacity) @ -2°C	kW	18,0	22,0	26,0	30,0
Space heating 35°C	Space heating seasonal energy efficiency (η_s)	%	226,0	234,0	231,0	213,0
	Annual power consumption	kWh	4116	4945	5959	7540
	P _{rated} (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 conditions	n weather space heating partial load	Unit	MAGISM18 T	MAGIS M22 T	MAGIS M26T	MAGIS M30T
	P _{dh} (Declared heating capacity)	kW	17,84	21,81	25,5	26,29
(B) Condition (2°C)	COP _d (Declared COP)	-	3,53	3,31	3,00	2,94
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	11,36	14,08	16,77	19,57
(C) Condition (7°C)	COP _d (Declared COP)	-	5,16	5,20	5,02	4,75
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	5,45	6,44	7,65	8,9
(D) Condition (12°C)	COP _d (Declared COP)	-	7,01	7,50	7,78	7,53
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	Tol (operation limit temperature)	°C	2	2	2	2
(T) T-1/	P _{dh} (Declared heating capacity)	kW	17,84	21,81	25,5	26,29
(E) Tol (operation limit tempera- ture)	COP _d (Declared COP)	-	3,53	3,31	3,0	2,94
	W _{TOL} (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 _{blv}	°C	7	7	7	7
(F) T _{bivalente} temperature	P _{dh} (Declared heating capacity)	kW	11,36	14,08	16,77	19,57
	COP _d (Declared COP)	-	5,16	5,2	5,02	4,75
Supplementary capacity to P _{design}	P _{sup} (@T _{designh} : 2°C)	kW	0,00	0,09	0,58	4,15

Medium temperature application valued conditions	warm weather space heating partial	Unit	MAGISM18	MAGIS M22T	MAGIS M26T	MAGIS M30T
	P _{db} (Declared heating capacity)	kW	18,40	22,10	26,50	26,40
(B) Condition (2°C)	COP _d (Declared COP)	-	2,12	2,12	1,99	1,99
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	11,60	14,10	16,90	19,10
(C) Condition (7°C)	COP _d (Declared COP)	-	3,49	3,50	3,47	3,37
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	P _{dh} (Declared heating capacity)	kW	5,40	6,40	7,60	8,90
(D) Condition (12°C)	COP _d (Declared COP)	-	5,09	5,34	5,94	6,09
	C _{dh} (Degradation coefficient)	-	0,9	0,9	0,9	0,9
	Tol (operation limit temperature)	°C	2	2	2	2
(E) Tol (one votion limit tompore	P_{dh} (Declared heating capacity)	kW	18,40	22,10	26,50	26,40
ture)		-	2,12	2,12	1,99	1,99
	W _{TOL} (Water heating limit operation)	°C	60	60	60	60
	T _{blv}	°C	7	7	7	7
(F) T _{bivalente} temperature	P _{dh} (Declared heating capacity)	kW	11,6	14,1	16,9	19,1
	COP _d (Declared COP)	-	3,49	3,5	3,47	3,37
Supplementary capacity to P _{design}	P _{sup} (@T _{designh} : 2°C)	kW	0,00	0,00	0,00	3,32

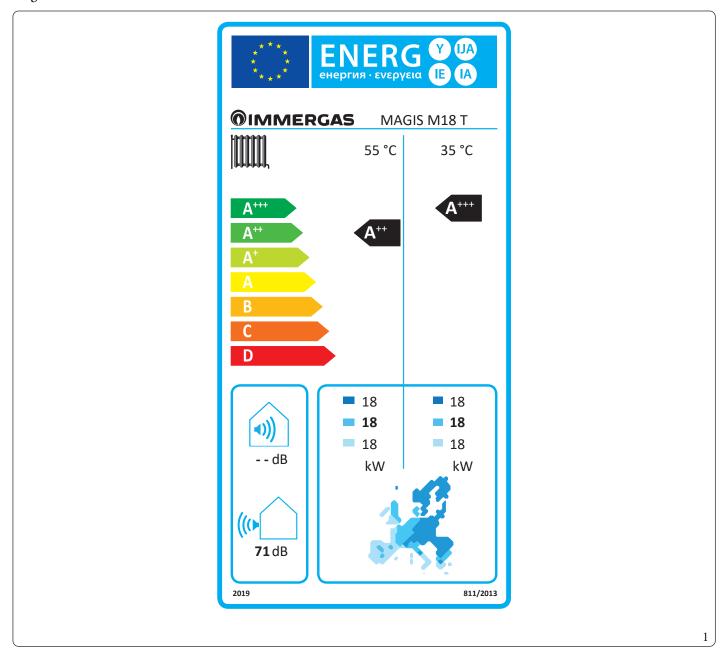
		Unit	MAGISM18 T	MAGIS M22T	MAGIS M26T	MAGIS M30T
	Air-water heat pump	Y/N	yes	yes	yes	yes
	Water-water heat pump	Y/N	no	no	no	no
	Brine to water heat pump	Y/N	no	no	no	no
Description of the product	Low temperature heat pump	Y/N	no	no	no	no
	Equipped with additional heater	Y/N	no	no	no	no
	Mixed central 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)		/	1	/	/

Space heating appliance with heat p	oump	Unit	MAGISM18 T	MAGIS M22T	MAGIS M26T	MAGIS M30T
	Capacity control	-	VARIABLE	VARIABLE	VARIABLE	VARIABLE
	P_{off} (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 _{sb} (Power consumption in Standby Mode)	kW	0,018	0,018	0,018	0,018
	P _{CK} (Electric crankcase heater model)	kW	0,000	0,000	0,000	0,000
	$\begin{aligned} &Q_{_{elec}}(Dailyelectricityconsumption) \end{aligned}$	kWh	/	1	/	/
	Q _{fuel} (Daily fuel consumption)	kWh	/	/	/	/

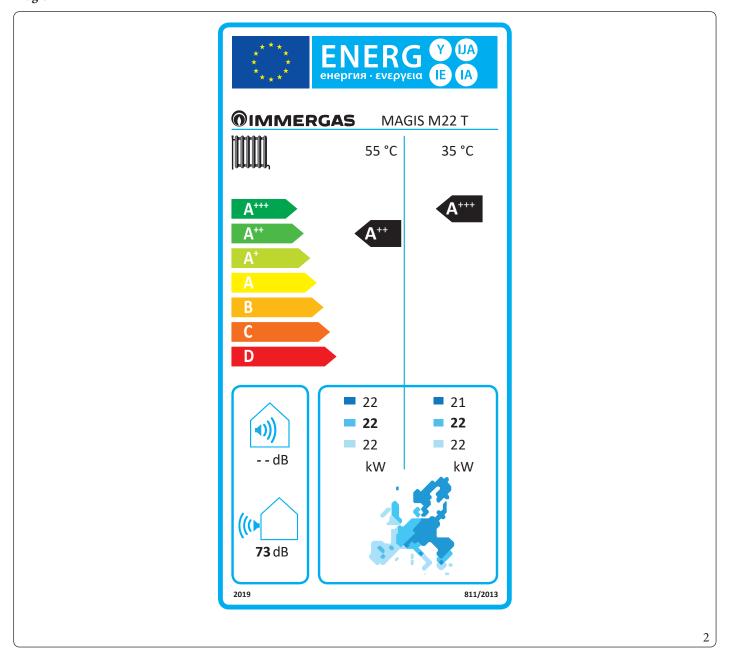
 $Details and \, precautions \, on \, installation, maintenance \, and \, assembly \, can \, be found in the \, use \, and \, installation \, manual. \, Data \, of the \, product \, data \, sheets \, according to the \, directive \, on \, energy \, labelling \, 2010/30/EC (EU) \, 811/2013.$

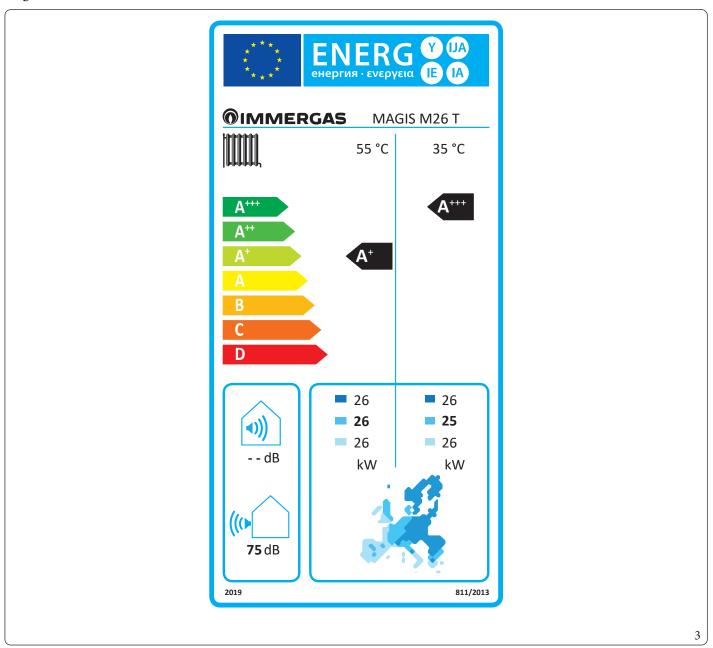
2.1 PRODUCT LABELS

$Mag is\,M18\,T$

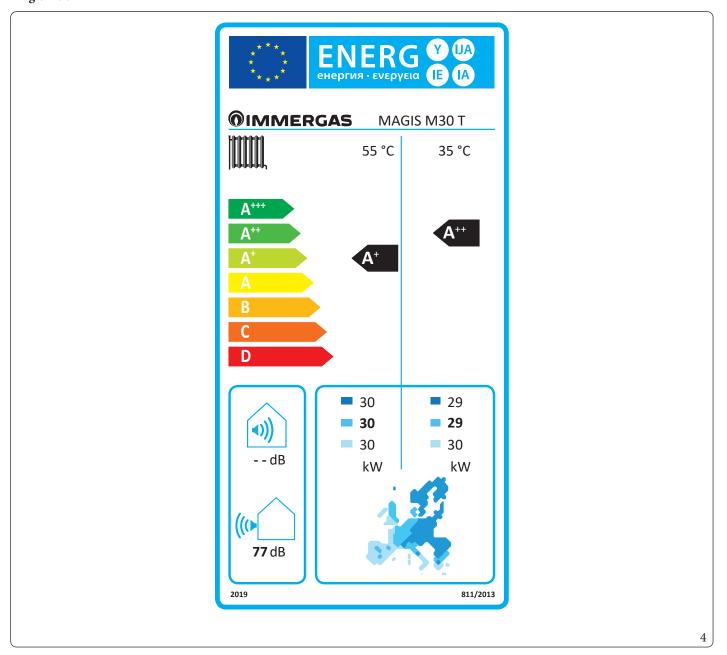


Magis M22 T





Magis M30 T



TECHNICAL PARAMETERS

no n	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 partiature of 20°C and outdoor temperature T_j $T_j = -7$ °C $T_j = + 2$ °C $T_j = + 7$ °C $T_j = + 12$ °C $T_j = + 15$ °C $T_j = -15$ °C For air-water heat pumps: $T_j = -15$ °C For air/water heat pumps: Operating limit	$\begin{array}{c} \textbf{Symbol} \\ \eta_s \end{array}$	Value 125,0 door temp 1,72 3,30 4,41 5,09 1,72 1,17	no no no Unit % cera
no Don. Unit kW ra- kW kW kW kW kW kW cC		Symbol η _s alload at incorporation COPd COPd COPd COPd COPd COPd COPd	125,0 door temp 1,72 3,30 4,41 5,09 1,72	no Unit % pera
bon. Unit kW a- kW kW kW kW kW kW kW kW	Element Room central heating seasonal energy efficiency Central heating capacity declared for a partiature 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	Symbol η _s alload at incorporation COPd COPd COPd COPd COPd COPd COPd	125,0 door temp 1,72 3,30 4,41 5,09 1,72	Unit % Dera
www.kwwkwwkw	Room central heating seasonal energy efficiency Central heating capacity declared for a partiature of 20°C and outdoor temperature Tj $T_j = -7 °C$ $T_j = +2 °C$ $T_j = +7 °C$ $T_j = +12 °C$ $T_j = \text{bivalent temperature}$ $T_j = \text{operating limit temperature}$ For air-water heat pumps: $Tj = -15 °C$ For air/water heat pumps: Operating limit	η _s alload at in COPd COPd COPd COPd COPd COPd COPd	125,0 door temp 1,72 3,30 4,41 5,09 1,72	% Dera- - - -
www.kwwkwwkw	Room central heating seasonal energy efficiency Central heating capacity declared for a partiature of 20°C and outdoor temperature Tj $T_j = -7 °C$ $T_j = +2 °C$ $T_j = +7 °C$ $T_j = +12 °C$ $T_j = \text{bivalent temperature}$ $T_j = \text{operating limit temperature}$ For air-water heat pumps: $Tj = -15 °C$ For air/water heat pumps: Operating limit	η _s alload at in COPd COPd COPd COPd COPd COPd COPd	125,0 door temp 1,72 3,30 4,41 5,09 1,72	% Dera- - - -
kW ra- kW kW kW kW kW kW cC	Room central heating seasonal energy efficiency Central heating capacity declared for a partiature of 20°C and outdoor temperature Tj $T_j = -7 °C$ $T_j = +2 °C$ $T_j = +7 °C$ $T_j = +12 °C$ $T_j = \text{bivalent temperature}$ $T_j = \text{operating limit temperature}$ For air-water heat pumps: $Tj = -15 °C$ For air/water heat pumps: Operating limit	η _s alload at in COPd COPd COPd COPd COPd COPd COPd	125,0 door temp 1,72 3,30 4,41 5,09 1,72	% Dera- - - -
kW kW kW kW kW kW	efficiency Central heating capacity declared for a partial ture of 20°C and outdoor temperature T_j $T_j = -7 °C$ $T_j = + 2 °C$ $T_j = + 7 °C$ $T_j = + 12 °C$ $T_j = \text{bivalent temperature}$ $T_j = \text{operating limit temperature}$ For air-water heat pumps: $T_j = -15 °C$ For air/water heat pumps: Operating limit	COPd COPd COPd COPd COPd COPd COPd	1,72 3,30 4,41 5,09 1,72	- - -
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	COPd COPd COPd COPd COPd COPd	1,72 3,30 4,41 5,09 1,72	- - -
kW kW kW kW kW	T_i = + 2 °C T_i = + 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	COPd COPd COPd COPd COPd	3,30 4,41 5,09 1,72	
kW kW kW kW °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	COPd COPd COPd	4,41 5,09 1,72	-
kW kW kW kW	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	COPd COPd COPd	5,09 1,72	-
kW kW kW	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	COPd COPd	1,72	
kW kW °C	For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit	COPd		
kW °C	For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit		1,17	. –
°C	For air/water heat pumps: Operating limit	COPd	1	-
°C	1 1 1 0		-	-
	temperature	TOL	-10	°C
kW	Efficiency of cycle range	COP _{cyc}	-	-
-	Heating water operation limit temperature	W _{TOLp}	60	°C
	Additional heater	-		
kW	Rated heat output (*)	Psup	2,64	kW
kW				
kW	Type of energy supplied	e	lectrical	
kW				
		-	10650	m³\h
εWh I	·	-	-	m³\h
	Water central heating energy efficiency	$\eta_{ m wh}$	-	%
κWh	Daily fuel consumption	Q _{fuel}	-	kWh
κWh	Annual fuel consumption	AFC	-	GJ
isa Lig	ure n.95			
k k k	EW E	Type of energy supplied For air-water heat pumps: Rated air flow rate outdoors dB For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors Water central heating energy efficiency Wh Daily fuel consumption Wh Annual fuel consumption sa Ligure n.95	Type of energy supplied For air-water heat pumps: Rated air flow rate outdoors B For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors Water central heating energy efficiency Wh Daily fuel consumption Wh Annual fuel consumption AFC sa Ligure n.95	Type of energy supplied electrical electrical \overline{CW} Type of energy supplied electrical \overline{CW} For air-water heat pumps: Rated air flow rate outdoors \overline{CW} For water orbrine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors Water central heating energy efficiency η_{wh} - \overline{CW} Wh Daily fuel consumption \overline{CW} Annual fuel consumption \overline{CW}

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supplementary heating capacity sup(Tj) (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

		yes	Low temperature heat pump			no
		no	With Supplementary heater			no
		no	Mixed central heating device with heat pump	p:		no
n temperatu	re applica	ation.				
Symbol	Value	Unit	Element	Symbol	Value	Unit
P _{rated}	18,4	kW	Room central heating seasonal energy efficiency	η_s	97,0	%
ial load at in	door temp	pera-	Central heating capacity declared for a partia	lloadatin	door temp	era-
		,	ture of 20°C and outdoor temperature Tj			r
Pdh	11,10	kW	$T_j = -7 ^{\circ}C$	COPd	1,98	-
Pdh	6,70	kW	$T_j = +2 °C$	COPd	3,44	-
Pdh	4,70	kW	$T_j = +7 ^{\circ}C$	COPd	4,35	-
Pdh	3,70	kW	$T_{i} = + 12 ^{\circ}C$	COPd	5,68	-
Pdh	11,1	kW	$T_i = bivalent temperature$	COPd	1,98	-
Pdh	13,6	kW	T_i = operating limit temperature	COPd	1,21	-
Pdh	13,6	kW	For air-water heat pumps: Tj = -15°C	COPd	1,21	-
T _{biv}	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-15	°C
P _{cych}	-	kW	Efficiency of cycle range	COP _{cyc}	-	-
C _{dh}	0,9	-	Heating water operation limit temperature	W _{TOLp}	50	°C
tive mode			Additional heater			`
P _{OFF}	0,018	kW	Rated heat output (*)	Psup	18,38	kW
	0,018	kW				
Ti Ti	0,096	kW	Type of energy supplied		-	
	0,000	kW				
- CR		J				
V	ARIABLE	E	For air-water heat pumps: Rated air flow rate outdoors	-	10650	m³\h
$L_{w_{\Delta}}$	-/71	dB	For water or brine-water heat pumps: Rated			
Q _{HE}	18156	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³\h
heatpump						
	-		Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Q _{elec}	-	kWh	Daily fuel consumption		-	kWh
AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Immerga	s S.p.A. vi	a Cisa Li	·			
	Symbol Prated ialload at interest in the second s	Symbol Value P _{rated} 18,4 ialload at indoor temp Pdh 11,10 Pdh 6,70 Pdh 4,70 Pdh 3,70 Pdh 11,1 Pdh 13,6 Post 0,018 Post 0,018 Post 0,001 VARIABLE 18156 Theat pump - Qelec - AEC - Imag and heating app	Name	n temperature application. Symbol Value Unit Element	Symbol Value Unit Element Symbol P _{rated} 18,4 kW Room central heating seasonal energy efficiency Central heating capacity declared for a partial load at intereof 20°C and outdoor temperature Tj Central heating capacity declared for a partial load at intereof 20°C and outdoor temperature Tj Pdh 11,10 kW T₁=−7°C COPd Pdh 6,70 kW T₁=+2°C COPd Pdh 3,70 kW T₁=+12°C COPd Pdh 33,70 kW T₁=+12°C COPd Pdh 13,6 kW T₁=bivalent temperature COPd Pdh 13,6 kW Forair-water heat pumps: Tj=-15°C COPd Pdh 13,6 kW Forair-water heat pumps: Operating limit temperature TOL Emperature ToL Emperature ToL Emperature P _{cych} - kW Efficiency of cycle range COP _{cyc} C _{dh} 0,9 - Heating water operation limit temperature W _{TOLe} Copd P _{cyc} Type of energy supplied P _{cyc} P _{cyc} O,018 kW P _{ss} 0,096 kW Type of energy supplied P _{cyc} Powater or brine-water heat pumps: Rated water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger - which is the pump P _{cycle} P	Symbol Value Unit Element Symbol Value P _{rated} 18,4 kW Room central heating seasonal energy efficiency η, 97,0 97,0 ialload at indoor temperature Central heating capacity declared for a partial load at indoor temperature of 20°C and outdoor temperature Tj Pdh 11,10 kW T ₁ = 7°C COPd 1,98 Pdh 6,70 kW T ₁ = + 2°C COPd 3,44 Pdh 4,70 kW T ₁ = + 12°C COPd 4,35 Pdh 3,70 kW T ₁ = + 12°C COPd 5,68 Pdh 11,1 kW T ₁ = bivalent temperature COPd 1,98 Pdh 13,6 kW T ₁ = operating limit temperature COPd 1,21 Pdh 13,6 kW For air-water heat pumps: Operating limit temperature TOL -15 P _{Oys} - kW Efficiency of cyclerange COP _{cyx} - C _{ob} 0,9 - Heating water operation limit temperature W _{TOLe} 50 Told P _{Oys} 0,018 kW Rated heat output (*) Psup 18,38 P _{TO} 0,008 kW Type of energy supplied - Poys 0,000 kW Type of energy supplied - Poys 0,000 kW Type of energy supplied -

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supple (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

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: WARM							
The parameters are declared for the medium	n temperatu	ıre applica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	P _{rated}	18,1	kW	Room central heating seasonal energy efficiency	η_s	157,0	%
Central heating capacity declared for a part	ialload at in	doortemp	pera-	Central heating capacity declared for a partia	alloadatin	doortemp	oera-
ture of 20°C and outdoor temperature Tj	1	1		ture of 20°C and outdoor temperature Tj	1		
$T_j = -7$ °C	Pdh	-	kW	$T_j = -7$ °C	COPd	-	-
$T_j = + 2 ^{\circ}C$	Pdh	18,40	kW	T _j =+2 °C	COPd	2,12	-
$T_j = +7 ^{\circ}C$	Pdh	11,60	kW	$T_j = +7 ^{\circ}C$	COPd	3,49	-
$T_j = + 12 ^{\circ}\text{C}$	Pdh	5,40	kW	$T_j = + 12 ^{\circ}\text{C}$	COPd	5,09	-
T_i = bivalent temperature	Pdh	11,6	kW	$T_i = bivalent temperature$	COPd	3,49	-
T_i = operating limit temperature	Pdh	18,40	kW	T_i = 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	-	-
Bivalenttemperature	$T_{ m biv}$	7	°C	For air/water heat pumps: Operating limit temperature	TOL	2	°C
Capacity of the cycle range for central heating	P _{cych}	-	kW	Efficiency of cycle range	COP _{cyc}	-	-
Degradation coefficient (**)	C _{dh}	0,9	-	Heating water operation limit temperature	W _{TOLp}	60	°C
Power consumption in modes other than ac				Additional heater			
OFF mode	P _{OFF}	0,018	kW	Rated heat output (*)	Psup	0,00	kW
Standby Mode	P _{TO}	0,018	kW				
Thermostat OFF mode	P _{SB}	0,096	kW	Type of energy supplied		-	
Crankcase heater mode electrical	P _{CK}	0,000	kW				
Otheritems							
Capacity control	VA	ARIABLE		For air-water heat pumps: Rated air flow rate outdoors	-	10650	m³\h
Indoor/outdoor sound level	L_{WA}	-/71	dB	For water or brine-water heat pumps: Rated			
Annual energy consumption	Q _{HE}	6041	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³\h
For mixed central heating appliances with a							
Stated load profile				Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Daily electrical power consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annualfuelconsumption	AFC	-	GJ
Contactinformation	Immergas	s S.p.A. vi:	a Cisa Li	gure n.95			
				xed with heat pump, the rated heat output P _{rated}		the design	load

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supplementary heating capacity sup(Tj). (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

yes no no no on. Unit kW ra- kW kW kW kW kW 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 partiature 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 Efficiency of cycle range	$\begin{array}{c} \textbf{Symbol} \\ \eta_s \end{array}$	Value 126,0 door temp 1,74 3,30 4,62 5,20 1,74 1,0810	no no no Unit % pera
no On. Unit kW ra- kW kW kW kW kW kW		Symbol η _s alload at in COPd COPd COPd COPd COPd COPd COPd COPd	126,0 door temp 1,74 3,30 4,62 5,20 1,74 1,08	no Unit % Dera
on. Unit kW ra- kW kW kW kW kW		Symbol η _s alload at in COPd COPd COPd COPd COPd COPd COPd COPd	126,0 door temp 1,74 3,30 4,62 5,20 1,74 1,08	## Control
kW kW kW kW kW cC	Room central heating seasonal energy efficiency Central heating capacity declared for a partiature of 20° C and outdoor temperature Tj $T_{j} = -7^{\circ}$ C $T_{j} = +2^{\circ}$ C $T_{j} = +7^{\circ}$ C $T_{j} = +12^{\circ}$ C $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ For air-water heat pumps: $Tj = -15^{\circ}$ C For air/water heat pumps: Operating limit temperature	η _s alload at in COPd COPd COPd COPd COPd COPd COPd TOL	126,0 door temp 1,74 3,30 4,62 5,20 1,74 1,08	% Dera- - - - - -
kW kW kW kW kW cC	Room central heating seasonal energy efficiency Central heating capacity declared for a partiature of 20° C and outdoor temperature Tj $T_{j} = -7^{\circ}$ C $T_{j} = +2^{\circ}$ C $T_{j} = +7^{\circ}$ C $T_{j} = +12^{\circ}$ C $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ For air-water heat pumps: $Tj = -15^{\circ}$ C For air/water heat pumps: Operating limit temperature	η _s alload at in COPd COPd COPd COPd COPd COPd COPd TOL	126,0 door temp 1,74 3,30 4,62 5,20 1,74 1,08	% Dera- - - - - -
kW ra- kW kW kW kW kW kW	Room central heating seasonal energy efficiency Central heating capacity declared for a partiature of 20° C and outdoor temperature Tj $T_{j} = -7^{\circ}$ C $T_{j} = +2^{\circ}$ C $T_{j} = +7^{\circ}$ C $T_{j} = +12^{\circ}$ C $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ For air-water heat pumps: $Tj = -15^{\circ}$ C For air/water heat pumps: Operating limit temperature	η _s alload at in COPd COPd COPd COPd COPd COPd COPd TOL	126,0 door temp 1,74 3,30 4,62 5,20 1,74 1,08	% Dera- - - - - -
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	COPd COPd COPd COPd COPd COPd COPd COPd	1,74 3,30 4,62 5,20 1,74 1,08	
kW kW kW kW kW kW	ture of 20°C and outdoor temperature T_j $T_j = -7$ °C $T_j = +2$ °C $T_j = +7$ °C $T_j = +12$ °C $T_j = bivalent temperature T_j = bivalent temperature T_j = operating limit temperature For air-water heat pumps: T_j = -15 °C For air/water heat pumps: Operating limit temperature$	COPd COPd COPd COPd COPd COPd TOL	1,74 3,30 4,62 5,20 1,74 1,08	- - - - -
kW kW kW kW kW	$T_j = -7$ °C $T_j = +2$ °C $T_j = +7$ °C $T_j = +12$ °C $T_j = bivalent temperature$ $T_j = bivalent temperature$ $T_j = operating limit temperature$ For air-water heat pumps: $T_j = -15$ °C For air/water heat pumps: Operating limit temperature	COPd COPd COPd COPd COPd TOL	3,30 4,62 5,20 1,74 1,08	- - - -
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 TOL	3,30 4,62 5,20 1,74 1,08	- - - -
kW kW kW kW	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 TOL	4,62 5,20 1,74 1,08	- - -
kW kW kW kW	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 TOL	5,20 1,74 1,08	- - -
kW kW kW °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 TOL	1,74 1,08	-
kW kW °C	T _j = operating limit temperature For air-water heat pumps: T _j = -15°C For air/water heat pumps: Operating limit temperature	COPd COPd TOL	1,08	-
kW °C	For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit temperature	COPd TOL	-	-
°C	For air/water heat pumps: Operating limit temperature	TOL		°C
	temperature		-10	°C
kW		COP		
_		cyc	-	-
	Heating water operation limit temperature	$W_{_{TOLp}}$	60	°C
	Additionalheater			
kW	Rated heat output (*)	Psup 8,6		kW
kW				
kW	Type of energy supplied	ϵ	electrical	
kW				
	For air-water heat pumps: Rated air flow rate outdoors	-	10650	m³\h
dB	For water or brine-water heat pumps: Rated			
kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h
	Water central heating energy efficiency	$\eta_{ m wh}$	-	%
kWh	Daily fuel consumption		-	kWh
kWh	Annual fuel consumption	AFC	-	GJ
Cisa Lig	<u>-</u>			
k	dB Wh	For air-water heat pumps: Rated air flow rate outdoors dB For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors Water central heating energy efficiency Wh Daily fuel consumption Wh Annual fuel consumption isa Ligure n.95	For air-water heat pumps: Rated air flow rate outdoors dB For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors Water central heating energy efficiency η_{wh} Wh Daily fuel consumption Q_{fuel} Wh Annual fuel consumption AFC isa Ligure n.95	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supple (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

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 mediur	n temperatu	ıre applica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	P _{rated}	22,4	kW	Room central heating seasonal energy efficiency	η_s	102,0	%
Central heating capacity declared for a part	ial load at in	doortemp	pera-	Central heating capacity declared for a partia	al load at in	doortemp	era-
ture of 20°C and outdoor temperature Tj		1		ture of 20°C and outdoor temperature Tj	т		1
$T_j = -7 ^{\circ}\text{C}$	Pdh	13,50	kW	$T_j = -7 ^{\circ}\text{C}$	COPd	2,07	-
$T_j = + 2 ^{\circ}C$	Pdh	8,60	kW	$T_j = + 2 ^{\circ}C$	COPd	3,70	-
$T_j = +7 ^{\circ}C$	Pdh	5,20	kW	$T_j = +7 ^{\circ}C$	COPd	4,49	-
$T_j = + 12 ^{\circ}\text{C}$	Pdh	3,70	kW	$T_j = + 12 ^{\circ}\text{C}$	COPd	5,76	-
T_i = bivalent temperature	Pdh	13,5	kW	$T_{i} = bivalent temperature$	COPd	2,07	-
T_i = operating limit temperature	Pdh	13,8	kW	T_i = operating limit temperature	COPd	1,24	-
For air-water heat pumps: Tj = -15°C	Pdh	13,8	kW	For air-water heat pumps: Tj = -15°C	COPd	1,24	-
Bivalenttemperature	$T_{\rm biv}$	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-15	°C
Capacity of the cycle range for central heating	P _{cych}	-	kW	Efficiency of cycle range	COP _{cyc}	-	-
Degradation coefficient (**)	C _{dh}	0,9	-	Heating water operation limit temperature	W _{TOLp}	50	°C
Power consumption in modes other than ac				Additional heater			
OFF mode	P _{OFF}	0,018	kW	Rated heat output (*)	Psup	22,36	kW
Standby Mode	P _{TO}	0,018	kW				
Thermostat OFF mode	P _{SB}	0,096	kW	Type of energy supplied		-	
Crankcase heater mode electrical	P _{CK}	0,000	kW	1			
Otheritems		,					
Capacity control	V	ARIABLE		For air-water heat pumps: Rated air flow rate outdoors	-	10650	m³\h
Indoor/outdoor sound level	L _{wA}	-/73	dB	For water or brine-water heat pumps: Rated			
Annual energy consumption	Q _{HE}	21067	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³\h
For mixed central heating appliances with a							
Stated load profile				Water central heating energy efficiency	$\eta_{ m wh}$		%
Daily electrical power consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annualfuelconsumption	AFC	-	GJ
Contactinformation	Immergas	s S.p.A. vi	a Cisa Li	gure n.95			
				xed with heat pump, the rated heat output P _{rated}		he design	ıload

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supplementary heating capacity sup(Tj). (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

	MAGISM	1221					
Air/water heat pump			yes	Low temperature heat pump			no
Water/water heat pump			no	With Supplementary heater			no
Brine/waterheat pump			no	Mixed central heating device with heat pump	p:		no
Declared weather condition: WARM							
The parameters are declared for the mediu:	m temperatu	re applica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	P _{rated}	22,0	kW	Room central heating seasonal energy efficiency	η_s	161,0	%
Central heating capacity declared for a part	ialload at in	door tem _j	pera-	Central heating capacity declared for a partia	alloadatin	door temp	era-
ture of 20°C and outdoor temperature Tj			,	ture of 20°C and outdoor temperature Tj			
T _j = - 7 °C	Pdh	-	kW	$T_j = -7 ^{\circ}C$	COPd	-	-
$T_j = + 2 ^{\circ}C$	Pdh	22,10	kW	$T_j = + 2 \degree C$	COPd	2,12	-
$T_j = +7 ^{\circ}C$	Pdh	14,10	kW	$T_j = +7 ^{\circ}C$	COPd	3,50	-
$T_i = + 12 ^{\circ}C$	Pdh	6,40	kW	$T_{i} = + 12 ^{\circ}C$	COPd	5,34	-
T _i = bivalent temperature	Pdh	14,1	kW	$T_i = bivalent temperature$	COPd	3,5	-
T_i = operating limit temperature	Pdh	22,10	kW	T_i = 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 _{cych}	-	kW	Efficiency of cycle range	COP _{cyc}	-	-
Degradation coefficient (**)	C _{dh}	0,9	-	Heating water operation limit temperature	W _{TOLp}	60	°C
Power consumption in modes other than a				Additional heater	1029		,
OFFmode	P _{OFF}	0,018	kW	Rated heat output (*)	Psup	0,00	kW
Standby Mode	P _{TO}	0,018	kW				
Thermostat OFF mode	P _{SB}	0,096	kW	Type of energy supplied		-	
Crankcase heater mode electrical	P _{CK}	0,000	kW	1			
Otheritems	CR		ı		Į.		
Capacity control	V	ARIABLE	<u> </u>	For air-water heat pumps: Rated air flow rate outdoors	-	10650	m³\h
Indoor/outdoor sound level	L _{wA}	-/73	dB	For water or brine-water heat pumps: Rated			
Annual energy consumption	Q _{HE}	7180	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³\h
For mixed central heating appliances with	a heat pump						
Stated load profile		-		Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Daily electrical power consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annualfuel consumption	AFC	-	GJ
Contact information	Immerga	sS.p.A. vi		·			

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supple (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

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	p:		no
Declared weather condition: MEDIUM							
The parameters are declared for the mediun	n temperatu	re applica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	P _{rated}	26,1	kW	Room central heating seasonal energy efficiency	η_s	123,0	%
Central heating capacity declared for a parti	alloadatin	door temp	pera-	Central heating capacity declared for a partia	al load at in	doortemp	oera-
ture of 20°C and outdoor temperature Tj		т		ture of 20°C and outdoor temperature Tj			
$T_j = -7 ^{\circ}C$	Pdh	20,6	kW	T _j = - 7 °C	COPd	1,69	-
$T_j = +2 ^{\circ}C$	Pdh	14,30	kW	$T_j = + 2 ^{\circ}C$	COPd	3,11	-
$T_j = +7 ^{\circ}C$	Pdh	9,30	kW	$T_j = +7 ^{\circ}C$	COPd	4,72	-
$T_j = + 12 ^{\circ}\text{C}$	Pdh	3,90	kW	$T_j = + 12 ^{\circ}\text{C}$	COPd	5,41	-
T_i = bivalent temperature	Pdh	22,1	kW	$T_i = bivalent temperature$	COPd	1,88	-
T_i = operating limit temperature	Pdh	13,8	kW	T_i = 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	-	-
Bivalenttemperature	$T_{\rm biv}$	-6	°C	For air/water heat pumps: Operating limit temperature	TOL	-10	°C
Capacity of the cycle range for central heating	P _{cych}	-	kW	Efficiency of cycle range	COP _{cyc}	-	-
Degradation coefficient (**)	C _{dh}	0,9	-	Heating water operation limit temperature	W _{TOLp}	60	°C
Power consumption in modes other than ac				Additional heater			
OFF mode	P _{OFF}	0,018	kW	Rated heat output (*)	Psup	12,28	kW
Standby Mode	P _{TO}	0,018	kW				
Thermostat OFF mode	P _{SB}	0,096	kW	Type of energy supplied	e	lectrical	
Crankcase heater mode electrical	P _{CK}	0,000	kW				
Otheritems							
Capacity control	VA	ARIABLE	3	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³\h
Indoor/outdoor sound level	L_{WA}	-/75,0	dB	For water or brine-water heat pumps: Rated			
Annual energy consumption	Q _{HE}	17204	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³\h
For mixed central heating appliances with a							
Stated load profile				Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Daily electrical power consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annualfuelconsumption	AFC	-	GJ
Contactinformation	Immergas	s S.p.A. vi:	a Cisa Li	gure n.95			
				xed with heat pump, the rated heat output P _{rated}		the design	load

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supplementary heating capacity sup(Tj). (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

emperatu Symbol	re applica	yes no no	Low temperature heat pump With Supplementary heater Mixed central heating device with heat pump			no no
	re applica					no
	reapplica	no	Mixed central heating device with heat pump			
	reapplica);		no
	re applica					
Symbol		ation.				
	Value	Unit	Element	Symbol	Value	Unit
P _{rated}	26,3	kW	Room central heating seasonal energy efficiency	η_s	101,0	%
lloadatind	door temp	era-	Central heating capacity declared for a partia	lloadatin	door temp	era-
		1	ture of 20°C and outdoor temperature Tj			
Pdh	15,90	kW	$T_j = -7$ °C	COPd	2,10	-
Pdh	10,20	kW	$T_j = +2 ^{\circ}C$	COPd	3,58	-
Pdh	6,50	kW	$T_j = +7 ^{\circ}C$	COPd	4,99	-
Pdh	3,60	kW	$T_i = + 12 ^{\circ}C$	COPd	5,68	-
Pdh	15,9	kW	$T_i = bivalent temperature$	COPd	2,1	-
Pdh	13,4	kW	T_i = operating limit temperature	COPd	1,2	-
Pdh	13,4	kW	For air-water heat pumps: Tj = -15°C	COPd	1,2	-
T_{biv}	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-15	°C
P _{cych}	-	kW	Efficiency of cycle range	COP _{cyc}	-	-
C _{dh}	0,9	-	Heating water operation limit temperature	W _{TOLp}	50	°C
ve mode			Additional heater			
P _{OFF}	0,018	kW	Rated heat output (*)	Psup	26,27	kW
1	0,018	kW				
i	0,096	kW	Type of energy supplied		-	
I	0,000	kW				
CK						
VA	ARIABLE	E	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³\h
$L_{w_{\Delta}}$	-/75	dB	For water or brine-water heat pumps: Rated			
Q _{HE}	24967	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³\h
eat pump						
	-		Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Q _{elec}	-	kWh	Daily fuel consumption		-	kWh
AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Immergas	S.p.A. vi	a Cisa Li	·			
	Pdh	Pdh 15,90 Pdh 10,20 Pdh 6,50 Pdh 3,60 Pdh 15,9 Pdh 13,4 Pdh 13,4 Tbiv -7 P _{cych} - C _{dh} 0,9 ve mode P _{Cych} 0,018 P _{TO} 0,018 P _{SB} 0,096 P _{CK} 0,000 VARIABLE L _{WA} -/75 Q _{HE} 24967 eat pump - Q _{elec} - AEC - - Immergas S.p.A. via gand heating applia	Pdh 10,20 kW Pdh 6,50 kW Pdh 3,60 kW Pdh 15,9 kW Pdh 13,4 kW Pdh 13,4 kW Tbiv -7 °C Pcych - kW Cdh 0,99 - ve mode Popp 0,018 kW PTO 0,018 kW PSB 0,096 kW PCK 0,000 kW VARIABLE LWA -/75 dB QHE 24967 kWh eat pump - kWh AEC - kWh Immergas S.p.A. via Cisa Ligand heating appliances mix	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Central heating capacity declared for a partial load at indoor temperature of 20°C and outdoor temperature Tj

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supple (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

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	p:		no
Declared weather condition: WARM							
The parameters are declared for the mediu	m temperatu	re applica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	P _{rated}	26,2	kW	Room central heating seasonal energy efficiency	η_{s}	168,0	%
Central heating capacity declared for a par	tial load at in	door tem _l	pera-	Central heating capacity declared for a partia	alloadatin	doortemp	pera-
ture of 20°C and outdoor temperature Tj				ture of 20°C and outdoor temperature Tj	1	1	
$T_j = -7 ^{\circ}C$	Pdh	-	kW	$T_j = -7 ^{\circ}\text{C}$	COPd	-	-
$T_j = +2 ^{\circ}C$	Pdh	26,50	kW	$T_j = + 2 ^{\circ}C$	COPd	1,99	-
$T_j = +7 ^{\circ}\text{C}$	Pdh	16,90	kW	$T_j = +7 ^{\circ}C$	COPd	3,47	-
$T_j = + 12 ^{\circ}\text{C}$	Pdh	7,60	kW	$T_j = + 12 ^{\circ}C$	COPd	5,94	-
T_i = bivalent temperature	Pdh	16,9	kW	$T_i = bivalent temperature$	COPd	3,47	-
T_i = operating limit temperature	Pdh	26,50	kW	$T_i = operating limit temperature$	COPd	1,99	-
For air-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-
Bivalenttemperature	$T_{\rm biv}$	7	°C	For air/water heat pumps: Operating limit temperature	TOL	2	°C
Capacity of the cycle range for central heating	P _{cych}	-	kW	Efficiency of cycle range	COP _{cyc}	-	-
Degradation coefficient (**)	C_{dh}	0,9	-	Heating water operation limit temperature	W _{TOLp}	60	°C
Power consumption in modes other than a	ctive mode			Additional heater			
OFF mode	P _{OFF}	0,018	kW	Rated heat output (*)	Psup	0,00	kW
Standby Mode	P _{TO}	0,018	kW				
Thermostat OFF mode	P _{SB}	0,096	kW	Type of energy supplied		-	
Crankcase heater mode electrical	P _{CK}	0,000	kW				
Otheritems	,						
Capacity control	VA	ARIABLE	E	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³\h
Indoor/outdoor sound level	L _{wa}	-/75	dB	For water or brine-water heat pumps: Rated			
Annual energy consumption	Q _{HE}	8218	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h
For mixed central heating appliances with	a heat pump						
Statedload profile		-		Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Daily electrical power consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annualfuelconsumption	AFC	-	GJ
Contactinformation	Immergas	s S.p.A. vi	a Cisa Li	gure n.95			
(*) For heat pump appliances for space heat	ting and heati	ing applia	nces miz	xed with heat pump, the rated heat output P _{rated}	is equal to	the desigr	load
				equal to the supplementary heating capacity su			

for heating. $P_{designh}$ and the rated heat output of an additional heater P_{sup} is equal to the supplementary heating capacity sup(Tj). (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{dh} = 0.9$.

		yes	IT			
		yes	Low temperature heat pump			no
		no	With Supplementary heater			no
		no	Mixed central heating device with heat pump	p:		no
n temperatu	re applica	ation.				
Symbol	Value	Unit	Element	Symbol	Value	Unit
P _{rated}	29,7	kW	Room central heating seasonal energy efficiency	η_s	123,0	%
alloadatin	door temp	era-	Central heating capacity declared for a partia	ılloadatin	door temp	era-
		1	ture of 20°C and outdoor temperature Tj			r
Pdh	20,1	kW	$T_j = -7 ^{\circ}C$	COPd	1,63	-
Pdh	16,50	kW	$T_j = + 2 ^{\circ}C$	COPd	3,09	-
Pdh	10,50	kW	$T_i = +7 ^{\circ}C$	COPd	4,73	-
Pdh	4,70	kW	$T_i = + 12 ^{\circ}C$	COPd	5,85	-
Pdh	24,0	kW	$T_i = bivalent temperature$	COPd	2,02	-
Pdh	13,8	kW	T_i = operating limit temperature	COPd	1,07	-
Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-
T _{biv}	-5	°C	For air/water heat pumps: Operating limit temperature	TOL	-10	°C
P _{cych}	-	kW	Efficiency of cycle range	COP _{cyc}	-	-
C _{dh}	0,9	-	Heating water operation limit temperature	W _{TOLp}	60	°C
tive mode			Additional heater			
P _{OFF}	0,018	kW	Rated heat output (*)	Psup 15,86		kW
	0,018	kW				
1	0,096	kW	Type of energy supplied	e	lectrical	
	0,000	kW				
CK						
VA	ARIABLE	E	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³\h
Lwa	-/77,0	dB	For water or brine-water heat pumps: Rated			
Q _{HE}	19316	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³\h
heat pump						
	-		Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Q _{elec}	-	kWh	Daily fuel consumption		-	kWh
AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Immergas	S.p.A. vi	a Cisa Li	·			
	Symbol Prated alload at incomplete process of the	Symbol Value P _{rated} 29,7 alload at indoor temp Pdh 20,1 Pdh 16,50 Pdh 10,50 Pdh 4,70 Pdh 24,0 Pdh 13,8 Pdh - C _{dh} 0,9 tive mode P _{Cych} P _{Cych} 0,018 P _{CK} 0,0018 P _{CK} 0,000 VARIABLE L _{WA} L _{WA} -/77,0 Q _{HE} 19316 heat pump - Q _{elec} - AEC - Immergas S.p.A. viang and heating applia	P _{rated} 29,7 kW alload at indoor tempera- Pdh 20,1 kW Pdh 16,50 kW Pdh 10,50 kW Pdh 4,70 kW Pdh 24,0 kW Pdh 13,8 kW Pdh - kW T _{biv} -5 °C P _{cych} - kW C _{dh} 0,9 - tive mode P _{OFF} 0,018 kW P _{TO} 0,018 kW P _{TO} 0,018 kW P _{SB} 0,096 kW P _{CK} 0,000 kW VARIABLE L _{WA} -/77,0 dB Q _{HE} 19316 kWh heat pump - Q _{elec} - kWh Immergas S.p.A. via Cisa Liang and heating appliances mixing	Symbol Value Unit Room central heating seasonal energy efficiency	$ \begin{array}{ c c c c } \hline Symbol & Value & Unit & Element & Symbol \\ \hline P_{rated} & 29.7 & kW & Room central heating seasonal energy efficiency & Room central heating seasonal energy & Room central heating seasonal energy efficiency & Room central heating seasonal energy & Room central heating seasonal energy efficiency & Room central heating seasonal energy efficiency & Room central heating seasonal energy efficiency & Room central heating energy effici$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supple (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

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):		no
Declared weather condition: COLD							
The parameters are declared for the mediu	m temperatu	re applica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	P _{rated}	30,4	kW	Room central heating seasonal energy efficiency	η_s	100,0	%
Central heating capacity declared for a par	tialload at in	door temp	pera-	Central heating capacity declared for a partia	lloadatin	doortemp	oera-
ture of 20°C and outdoor temperature Tj				ture of 20°C and outdoor temperature Tj		1	
$T_j = -7 ^{\circ}C$	Pdh	18,40	kW	$T_j = -7 ^{\circ}\text{C}$	COPd	2,10	-
$T_j = +2 ^{\circ}C$	Pdh	11,20	kW	$T_j = + 2 ^{\circ}C$	COPd	3,51	-
$T_j = +7 ^{\circ}\text{C}$	Pdh	7,40	kW	$T_j = +7 ^{\circ}C$	COPd	5,18	-
$T_j = + 12 ^{\circ}\text{C}$	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_i = operating limit temperature	Pdh	13,1	kW	T_i = operating limit temperature	COPd	1,18	-
For air-water heat pumps: Tj = -15°C	Pdh	13,1	kW	For air-water heat pumps: Tj = -15°C	COPd	1,18	-
Bivalent temperature	$T_{\rm biv}$	-7	°C	For air/water heat pumps: Operating limit temperature	TOL	-15	°C
Capacity of the cycle range for central heating	P _{cych}	-	kW	Efficiency of cycle range	COP_{cyc}	-	-
Degradation coefficient (**)	C_{dh}	0,9	-	Heating water operation limit temperature	$W_{_{TOLp}}$	50	°C
Power consumption in modes other than a	ctive mode			Additional heater			
OFF mode	P _{OFF}	0,018	kW	Rated heat output (*)	Psup	30,41	kW
Standby Mode	P _{TO}	0,018	kW				
Thermostat OFF mode	P _{SB}	0,096	kW	Type of energy supplied	e	lectrical	
Crankcase heater mode electrical	P _{CK}	0,000	kW				
Otheritems							
Capacity control	V	ARIABLE	Ε	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³\h
Indoor/outdoor sound level	L_{wA}	-/77	dB	For water or brine-water heat pumps: Rated			
Annual energy consumption	Q _{HE}	29238	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h
For mixed central heating appliances with	a heat pump						
Stated load profile		-		Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Daily electrical power consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contactinformation	Immerga	s S.p.A. vi	a Cisa Li	gure n.95			
(*) For heat pump appliances for space heat	ting and heat	ing applia	nces mi	$^{-}$ xed with heat pump, the rated heat output $^{\mathrm{P}}_{\mathrm{rated}}$	is equal to	the design	load
				ogual to the supplementary heating capacity su			

for heating. $P_{designh}$ and the rated heat output of an additional heater P_{sup} is equal to the supplementary heating capacity sup(Tj). (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{dh} = 0.9$.

emperatu Symbol P _{rated}	re applica Value 29,7	yes no no no ution.	Low temperature heat pump With Supplementary heater Mixed central heating device with heat pump			no no no
Symbol P _{rated}	Value	no	Mixed central heating device with heat pump			
Symbol P _{rated}	Value	ation.				no
Symbol P _{rated}	Value		Element	C1 -1		
Symbol P _{rated}	Value		Element	C		
P _{rated}		Unit	Element	C11		
	29,7			Symbol	Value	Unit
oad at inc		kW	Room central heating seasonal energy efficiency	η_{s}	163,0	%
	door temp	era-	Central heating capacity declared for a partia	lloadatin	door temp	era-
		1	ture of 20°C and outdoor temperature Tj			r
Pdh	-	kW	$T_j = -7 ^{\circ}C$	COPd	-	-
Pdh	26,40	kW	$T_j = +2 ^{\circ}C$	COPd	1,99	-
Pdh	19,10	kW	$T_j = +7 ^{\circ}C$	COPd	3,37	-
Pdh	8,90	kW	$T_i = + 12 ^{\circ}C$	COPd	6,09	-
Pdh	19,1	kW	$T_i = bivalent temperature$	COPd	3,37	-
Pdh	26,40	kW	T_i = operating limit temperature	COPd	1,99	-
Pdh	-	kW	For air-water heat pumps: Tj = -15°C	COPd	-	-
T_{biv}	7	°C	For air/water heat pumps: Operating limit temperature	TOL	2	°C
P _{cych}	-	kW	Efficiency of cycle range	COP _{cyc}	-	-
C _{dh}	0,9	-	Heating water operation limit temperature	W _{TOLp}	60	°C
e mode			Additionalheater			
P _{OFF}	0,018	kW	Rated heat output (*)	Psup 3,32		kW
	0,018	kW				
	0,096	kW	Type of energy supplied	e	lectrical	
	0,000	kW				
CR						
VA	RIABLE	E	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³\h
$L_{w_{\Delta}}$	-/77	dB	For water or brine-water heat pumps: Rated			
Q _{HE}	9580	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h
at pump						
	-		Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Q _{elec}	-	kWh	Daily fuel consumption		-	kWh
AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
mmergas	S.p.A. via	a Cisa Li	·			
r	Pdh	Pdh 26,40 Pdh 19,10 Pdh 8,90 Pdh 19,1 Pdh 26,40 Pdh - T _{biv} 7 P _{cych} - C _{dh} 0,9 e-mode 0,018 P _{TO} 0,018 P _{SB} 0,096 P _{CK} 0,000 VARIABLE L _{WA} -/77 Q _{HE} 9580 at pump - Q _{elec} - AEC - mmergas S.p.A. via and heating applia	Pdh 26,40 kW Pdh 19,10 kW Pdh 8,90 kW Pdh 19,1 kW Pdh 26,40 kW Pdh - kW T _{biv} 7 °C P _{cych} - kW C _{dh} 0,9 - e mode P _{Cych} 0,018 kW P _{TO} 0,018 kW P _{SB} 0,096 kW P _{CK} 0,000 kW VARIABLE L _{WA} -/77 dB Q _{HE} 9580 kWh at pump - - Q _{elec} - kWh AEC - kWh and heating appliances mix	Pdh 26,40 kW T _j =+2 °C Pdh 19,10 kW T _j =+7 °C Pdh 8,90 kW T _j =+12 °C Pdh 19,1 kW T _j =bivalent temperature Pdh 26,40 kW T _j =operating limit temperature Pdh - kW For air-water heat pumps: Tj=-15 °C T _{biv} 7 °C For air/water heat pumps: Operating limit temperature P _{cych} - kW Efficiency of cycle range C _{dh} 0,9 - Heating water operation limit temperature P _{off} 0,018 kW Rated heat output (*) P _{TO} 0,018 kW P _{SB} 0,096 kW Type of energy supplied VARIABLE VARIABLE For air-water heat pumps: Rated air flow rate outdoors L _{WA} -/77 dB For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors at pump - Water central heating energy efficiency Q _{elec} - kWh Daily fuel consumption mmergas S.p.A. via Cisa Ligure n.95 and heating appliances mixed with heat pump, the rated heat output P _{rated}	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

for heating. P_{designh} and the rated heat output of an additional heater P_{sup} is equal to the supple (**) If C_{dh} is not determined by measuring, the default degradation coefficient is $C_{\text{dh}} = 0.9$.

4 INFORMATION REQUIREMENTS FOR SPACE CHILLERS

In formation 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 _{rated,c}	16,60	kW	Space heating seasonal energy efficiency	$\eta_{\mathrm{s,c}}$	185,0	%
Cooling capacity declared for partial load at Tj	a given outo	doortemp	perature	Cooling capacity declared for partial load at Tj	a given outo	doortemp	peratur
Tj = +35°C	P _{dc}	16,60	kW	Tj=+35°C	EER _d	3,06	-
Tj=+30°C	P _{dc}	11,90	kW	Tj=+30°C	EER _d	4,13	-
Tj = +25°C	P _{dc}	7,60	kW	Tj=+25°C	EER _d	5,59	-
Tj = +20°C	P _{dc}	3,50	kW	Tj=+20°C	EER,	5,55	-
	j de				, 4		
Degradation coefficient for chillers (*)	C _{dc}	0,9	-				
Power consumption in modes other than "a	active mod	e"					
OFF mode	P _{OFF}	0,017	kW	Crankcase heater mode electrical	P _{CK}	0,000	kW
Thermostat OFF mode	P _{TO}	0,084	kW	Standby Mode	P _{SB}	0,017	kW
Otheritems							
Capacity control	V	ARIABLE	3	For air-water emergency chillers: air flow		8100	m³\h
Sound power level, indoors/outdoors	L_{WA}	-\71	dB	rate, measured outdoors	-	8100	111-/11
Emissions of nitrogen oxides (if applicable)	NO _x (**)	-	mg\ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side heat exchanger	-	-	m³\h
GWPofrefrigerant	-	675	kg CO _{2eq}	liteat excitatinget			
Standard rating conditions used	Lowtemp	erature a	pplicatio	n			
Contact information	Immergas	S n A wi	o Cico I i	guran 05	'		

^(**) Since September 26, 2018

In formation requirements for space chillers											
Model			MAGISM18 T								
Heat exchanger:				Air-Water							
Type:				Steam compression cycle	2						
Compressor start-up:				Electric motor							
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit				
Rated cooling capacity	P _{rated,c}	18,40	kW	Space heating seasonal energy efficiency	216,0	%					
Cooling capacity declared for partial load at:	a given outo	loor temp	perature	Cooling capacity declared for partial load at:	a given outo	loor temp	erature				
Tj=+35°C	P _{dc}	18,40	kW	Tj=+35°C	EER	4,44	-				
Tj=+30°C	P _{dc}	13,30	kW	Tj=+30°C	EER,	5,26	-				
Tj=+25°C	P _{dc}	8,50	kW	Tj=+25°C	EER	6,68	-				
Tj=+20°C	P _{dc}	3,30	kW	Tj=+20°C	EER,	5,15	-				
,	j dc			,	<u> </u>		1				
Degradation coefficient for chillers (*)	C_{dc}	0,9	-								
Power consumption in modes other than ``a	active mod	e"									
OFF mode	P _{OFF}	0,017	kW	Crankcase heater mode electrical		0,000	kW				
Thermostat OFF mode	P _{TO}	0,084	kW	Standby Mode P _{SB} 0,0			kW				
Otheritems											
Capacity control	VA	ARIABLE	Ξ	For air-water emergency chillers: air flow		0100	m³\h				
Sound power level, indoors/outdoors	L _{wA}	-\71	dB	rate, measured outdoors	-	8100	m°\n				
Emissions of nitrogen oxides (if applicable)	NO _x (**)	-	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 _{2eq}	nearexendilger							
Standard rating conditions used	Mediumt	emperatu	ıre appli	cation							
Contactinformation	Immergas	S.p.A. vi	a Cisa Li	gure n.95							
(*) If C _{dc} is not determined by measuring, the											

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In formation requirements for space chillers										
Model			MAGISM22T							
Heat exchanger:				Air-Water						
Type: Compressorstart-up:				Steam compression cycl	e					
				Electric motor						
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit			
Rated cooling capacity	P _{rated.c}	20,60	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	185,0	%			
Cooling capacity declared for partial load at: Tj	a given outo	erature	Cooling capacity declared for partial load at Tj	a given outo	door temp	eratur				
Tj=+35°C	P _{dc}	20,60	kW	Tj=+35°C	EER,	2,89	-			
Tj=+30°C	P _{dc}	14,90	kW	Tj=+30°C	EER,	3,95	-			
Tj=+25°C	P _{dc}	9,30	kW	Tj=+25°C	EER	5,37	-			
Tj=+20°C	P _{dc}	4,30	kW	Tj=+20°C	EER _d	6,19	-			
						,				
Degradation coefficient for chillers (*)	C _{dc}	0,9	-							
Power consumption in modes other than "a	active mod	e"								
OFF mode	P _{OFF}	0,017	kW	Crankcase heater mode electrical	P _{CK}	0,000	kW			
Thermostat OFF mode	P _{TO}	0,084	kW	Standby Mode	P_{SB}	0,017	kW			
Otheritems										
Capacity control	V	ARIABLE		For air-water emergency chillers: air flow			m³\h			
Sound power level, indoors/outdoors	L_{WA}	-\73	dB	rate, measured outdoors	-	8950				
Emissions of nitrogen oxides (if applicable)	NO _x (**)	-	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 _{2eq}	heat exchanger						
Standard rating conditions used	Lowtemp	erature a _l	plicatio	on						
Contactinformation	Immergas	S.p.A. vi	a Cisa Li	gure n.95		· · · ·				

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Information requirements for space chillers Model				MACICMAAT						
	-			MAGISM22T						
Heat exchanger:				Air-Water			-			
Type:				Steam compression cycl	e					
Compressor start-up:			,	Electric motor						
	1		ı				1			
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	22,80	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	224,0	%			
Cooling capacity declared for partial load at a given outdoor temp				Cooling capacity declared for partial load at Ti	a given outo	doortemp	erature			
Tj = +35°C	P_{dc}	22,80	kW	Tj=+35°C	EER,	4,25	-			
Tj=+30°C	P _{dc}	16,30	kW	Tj=+30°C	EER	5,16	-			
Tj=+25°C	P _{dc}	10,20	kW	Tj = +25°C	EER _d	6,45	-			
Tj=+20°C	P _{dc}	4,60	kW	Tj=+20°C	EER _d	6,38	-			
Degradation coefficient for chillers (*)	C _{dc}	0,9	-							
Power consumption in modes other than ``a	active mod	e"								
OFFmode	P _{OFF}	0,017	kW	Crankcase heater mode electrical	P _{CK}	0,000	kW			
Thermostat OFF mode	P _{TO}	0,084	kW	N Standby Mode P _{SI}		0,017	kW			
Otheritems										
Capacity control	VA	ARIABLE	E	For air-water emergency chillers: air flow		8950	m³\h			
Sound power level, indoors/outdoors	L_{WA}	-\73	dB	rate, measured outdoors	-	0930	111./11			
Emissions of nitrogen oxides (if applicable)	NO _x (**)	-	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 _{2eq}	neatexchanger						
Standard rating conditions used	Mediumt	emperatu	ıre applio	cation						
Contactinformation	Immergas	S n A vii	o Cico Li	guran 05						

Since September 26, 2018

In formation requirements for space chillers										
Model			MAGISM26T							
Heat exchanger:				Air-Water						
Type: Compressor start-up:				Steam compression cycl	e					
				Electric motor						
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	25,50	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	183,0	%			
Cooling capacity declared for partial load at a Tj	a given outo	erature	2 5 1 15,0							
Tj=+35°C	P _{dc}	25,50	kW	Tj=+35°C	EER,	2,63	-			
Tj=+30°C	P _{dc}	18,50	kW	Tj=+30°C	EER,	3,79	-			
Tj = +25°C	P _{dc}	11,80	kW	Tj=+25°C	EER _d	5,19	-			
Tj=+20°C	P _{dc}	5,60	kW	Tj=+20°C	EER _d	6,84	-			
	,									
Degradation coefficient for chillers (*)	C_{dc}	0,9	-							
Power consumption in modes other than "a	active mod	e"								
OFF mode	P _{OFF}	0,017	kW	Crankcase heater mode electrical	P _{CK}	0,000	kW			
Thermostat OFF mode	P _{TO}	0,084	kW	Standby Mode	P_{SB}	0,017	kW			
Otheritems										
Capacity control	VA	ARIABLE		For air-water emergency chillers: air flow			m³\h			
Sound power level, indoors/outdoors	L_{wA}	-\75	dB	rate, measured outdoors	-	9750				
Emissions of nitrogen oxides (if applicable)	NO _x (**)	-	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 _{2eq}	heat exchanger						
Standard rating conditions used	Lowtemp	erature a _l	plicatio	on						
Contactinformation	Immergas	S.p.A. vi	a Cisa Li	gure n.95		_				

^(**) Since September 26, 2018

In formation requirements for space chillers											
Model				MAGISM26T							
Heat exchanger:				Air-Water							
Type:				Steam compression cycle	2						
Compressor start-up:				Electric motor							
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit				
Rated cooling capacity	P _{rated,c}	26,80	kW	Space heating seasonal energy efficiency	226,0	%					
Cooling capacity declared for partial load at:	a given outo	doortemp	perature								
Tj=+35°C	P _{dc}	26,80	kW	Tj=+35°C	EER,	4,04	-				
Tj=+30°C	P _{dc}	19,40	kW	Tj=+30°C	EER,	5,21	-				
Tj=+25°C	P _{dc}	12,10	kW	Tj=+25°C	EER	6,23	-				
Tj=+20°C	P _{dc}	5,90	kW	Tj=+20°C	EER,	6,94	-				
,	j dc	ı		1 /	<u> </u>		1				
Degradation coefficient for chillers (*)	C _{dc}	0,9	-								
Power consumption in modes other than ``a	active mod	e"									
OFF mode	P _{OFF}	0,017	kW	Crankcase heater mode electrical I		0,000	kW				
Thermostat OFF mode	P _{TO}	0,084	kW	Standby Mode P _{SB} 0,			kW				
Otheritems											
Capacity control	VA	ARIABLE	Ξ	For air-water emergency chillers: air flow		9750	3\ 1 -				
Sound power level, indoors/outdoors	L _{wA}	-\75	dB	rate, measured outdoors	-	9/50	m³\h				
Emissions of nitrogen oxides (if applicable)	NO _x (**)	-	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 _{2eq}	inearexendinger							
Standard rating conditions used	Mediumt	emperatu	ıre appli	cation							
Contactinformation	Immergas	sS.p.A. vi	a Cisa Li	gure n.95							
Contact information (*) If C _{dc} is not determined by measuring, the (**) Since September 26, 2018											

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In formation requirements for space chillers											
Model			MAGIS M30 T								
Heat exchanger:				Air-Water							
Type: Compressorstart-up:				Steam compression cycl	e						
				Electric motor							
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit				
Rated cooling capacity	P _{rated.c}	29,50	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	177,0	%				
Cooling capacity declared for partial load at: Tj	a given outo	erature	2								
Tj=+35°C	P _{dc}	29,50	kW	Tj=+35°C	EER _d	2,29	-				
Tj=+30°C	P _{dc}	21,20	kW	Tj=+30°C	EER,	3,62	-				
Tj=+25°C	P _{dc}	13,50	kW	Tj=+25°C	EER _d	5,06	-				
Tj=+20°C	P _{dc}	6,00	kW	Tj=+20°C	EER _d	6,75	-				
	1 40				,		,				
Degradation coefficient for chillers (*)	C _{dc}	0,9	-								
Power consumption in modes other than "a	active mod	e"									
OFF mode	P _{OFF}	0,017	kW	Crankcase heater mode electrical	P _{CK}	0,000	kW				
Thermostat OFF mode	P _{TO}	0,084	kW	Standby Mode	P_{SB}	0,017	kW				
Otheritems											
Capacity control	V	ARIABLE		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 _x (**)	-	mg\ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side	-	-	m³\h				
GWPofrefrigerant	-	675	kg CO _{2eq}	heat exchanger							
Standard rating conditions used	Lowtemp	erature a _l	plicatio	on							
Contactinformation	Immergas	s S.p.A. vi	a Cisa Li	gure n.95		_					

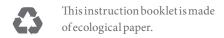
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Value 30,80 door temp 30,80 22,10 13,90 6,30	Unit kW perature kW kW kW	$\frac{\text{MAGISM30T}}{\text{Air-Water}}$ $\frac{\text{Steam compression cycle}}{\text{Electric motor}}$ $\frac{\text{Element}}{\text{Space heating seasonal energy efficiency}}$ $\frac{\text{Cooling capacity declared for partial load at Tj}}{\text{Tj}=+35^{\circ}\text{C}}$ $\frac{\text{Tj}=+35^{\circ}\text{C}}{\text{Tj}=+30^{\circ}\text{C}}$	Symbol η _{s,c}	Value 225,0 loor temp	Unit % erature
30,80 door temp 30,80 22,10 13,90	kW perature kW kW	$\begin{tabular}{ll} Steam compression cycle \\ \hline Electric motor \\ \hline \\ Element \\ Space heating seasonal energy efficiency \\ Cooling capacity declared for partial load at Tj \\ Tj = +35 ^{\circ}C \\ \hline \end{tabular}$	Symbol $\eta_{s,c}$ a given outo	225,0	%
30,80 door temp 30,80 22,10 13,90	kW perature kW kW	$\begin{tabular}{c} Element \\ Space heating seasonal energy efficiency \\ Cooling capacity declared for partial load at \\ Tj \\ Tj=+35^{\circ}C \end{tabular}$	Symbol $\eta_{s,c}$ a given outo	225,0	%
30,80 door temp 30,80 22,10 13,90	kW perature kW kW	Element Space heating seasonal energy efficiency Cooling capacity declared for partial load at Tj Tj=+35°C	$\eta_{s,c}$	225,0	%
30,80 door temp 30,80 22,10 13,90	kW perature kW kW	Space heating seasonal energy efficiency Cooling capacity declared for partial load at Tj $Tj = +35^{\circ}C$	$\eta_{s,c}$	225,0	%
30,80 door temp 30,80 22,10 13,90	kW perature kW kW	Space heating seasonal energy efficiency Cooling capacity declared for partial load at Tj $Tj = +35^{\circ}C$	$\eta_{s,c}$	225,0	%
30,80 22,10 13,90	kW kW	Cooling capacity declared for partial load at Tj Tj=+35°C	a given outo		
30,80 22,10 13,90	kW kW	Tj = +35°C		loor temp	erature
22,10 13,90	kW	· '	EER _d		
13,90	+	Tj=+30°C		3,79	-
	kW		EER	5,06	-
6,30		Tj=+25°C	EER _d	6,33	-
	kW	Tj=+20°C	EER,	7,01	-
		1 '	ı u	l l	
0,9	-				
e"					
0,017	kW	Crankcase heater mode electrical P		0,000	kW
0,084	kW	I I I I			kW
ARIABLE	E	For air-water emergency chillers: air flow		10650	3\ l -
-\77	dB	rate, measured outdoors	-	10650	m³\h
-	mg\ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side	-	-	m³\h
675	kg CO _{2eq}	incateschanger			
emperati	ıre appli	cation			
s S.p.A. vi	a Cisa Li	gure n.95			
	ARIABLE -\77 - 675 temperatus S.p.A.vi	ARIABLE -\77 dB mg\ kWh input GCV 675 kg CO _{2eq} temperature applices S.p.A. via Cisa Lig	ARIABLE For air-water emergency chillers: air flow rate, measured outdoors mg\ kWh input GCV kg For water / brine-water chillers: brine or rated brine water flow rate, outdoors side heat exchanger	ARIABLE For air-water emergency chillers: air flow rate, measured outdoors - \tag{77} dB rate, measured outdoors} - rate \text{ measured outdoors} - rate \text{ brine or rated brine water flow rate, outdoors side heat exchanger}} - rate \text{ remperature application} rate \text{ soutdoors side heat exchanger}} - \qquad \qquad \qu	ARIABLE For air-water emergency chillers: air flow rate, measured outdoors -\77 dB rate, measured outdoors - mg\ kWh input GCV rated brine-water chillers: brine or rated brine water flow rate, outdoors side heat exchanger temperature application s.S.p.A. via Cisa Ligure n.95

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TECHNICAL DATA TABLE ON ENVIRONMENTAL CONDITIONS

Conditions (°C)		MAGISM18T	MAGISM22T	MAGISM26T	MAGISM30T
D E	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 remperature: 12/7	EER/COP(/)	3,05	2,95	2,7	2,55
D	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 remperature. 23/16	EER/COP(/)	4,75	4,6	4,3	4,0
D 716	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 remperature: 30/33	EER/COP(/)	4,7	4,4	4,08	3,91
Room Temperature: 2/1 Water Temperature: 30/35	Capacity(kW)	18,00	22,00	24,00	26,00
	Absorbed power (kW)	5,33	7,10	8,33	9,29
water remperature. 30/33	EER/COP(/)	3,38	3,10	2,88	2,80
D	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 remperature: 30/33	EER/COP(/)	2,70	2,60	2,50	2,45
D 716	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
water remperature, 40/43	EER/COP(/)	3,5	3,4	3,1	2,9
D T	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
water remperature: 4//33	EER/COP(/)	2,75	2,65	2,45	2,3



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