

OIMMERGAS

MAGIS M18-22-26-30

Block heat pumps
Three-phase
Technical Data



INDEX

Dea	r Customereral Recommendations	3
Gen	eral Recommendations	4
1	Technical data	5
	Medium temperature applications	
1.2	Low temperature applications	6
2	Product data sheet Product labels	7
3	Technical parameters	18
4	Information requirements for space chillers	30
5	Technical data table on environmental conditions	38

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.

Ŵ

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	Energyefficiency	Sound power of unit		Spaceheating	For space heating,				
Model	class	Sound power or unit	Nominal heat output	seasonalenergy	annualpower				
		efficiency	consumption						
	-	dB	kW	%	kWh				
MAGISM18T	A++	71,0	17,7	17,7 125,0 1					
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							
				Hot zones temperatures				
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	168,0	8218			
MAGISM30T	A+	77,0	29,7	163,0	9580			

1.2 LOW TEMPERATURE APPLICATIONS

		For low temperature applications						
			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	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			

		Forlowtemperature applications						
				Cold zones temperature	s			
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			

		For low temperature applications						
				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
application	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++
Space heating	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
Spaceheating55°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
(E) 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 M22T	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 overtion limit to re-	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
(E) Tol (operation limit temperature)	P ₁₁ (Declared heating capacity)	-	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

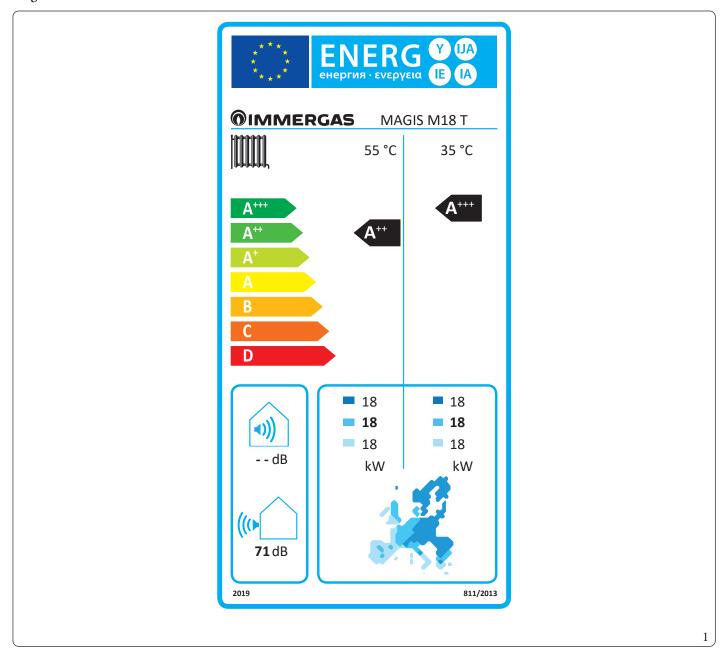
		Unit	MAGISM18 T	MAGIS M22T	MAGIS M26T	MAGIS M30T
	Air-water heat pump	Y/N	yes	yes	yes	yes
	Water-water heat pump	Y/N	no	no	no	no
	Brine to water heat pump	Y/N	no	no	no	no
Description of the product	Low temperature heat pump	Y/N	no	no	no	no
	Equipped with additional heater	Y/N	no	no	no	no
	Mixed central 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	ump	Unit	MAGISM18 T	MAGIS M22 T	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
	$\begin{array}{c} \textbf{Q}_{\text{\tiny elec}} \text{(Daily electricity consumption)} \\ \end{array}$	kWh	/	/	/	/
	Q _{fuel} (Daily fuel consumption)	kWh	/	/	/	/

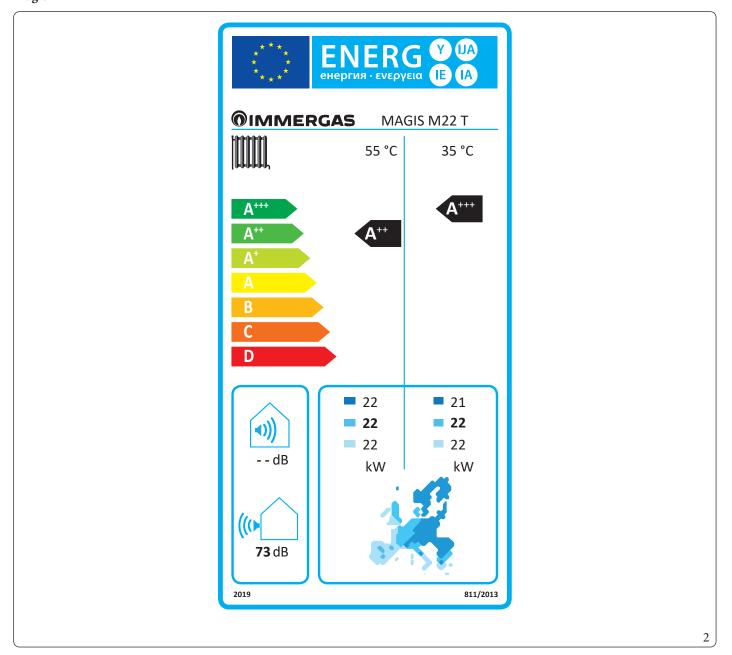
 $Details and \, precautions \, on \, installation, maintenance \, and \, assembly \, can \, be found in the \, use \, and \, installation \, manual. \, Data \, of the \, product \, data \, sheets \, according to the \, directive \, on \, energy \, labelling \, 2010/30/EC (EU) \, 811/2013.$

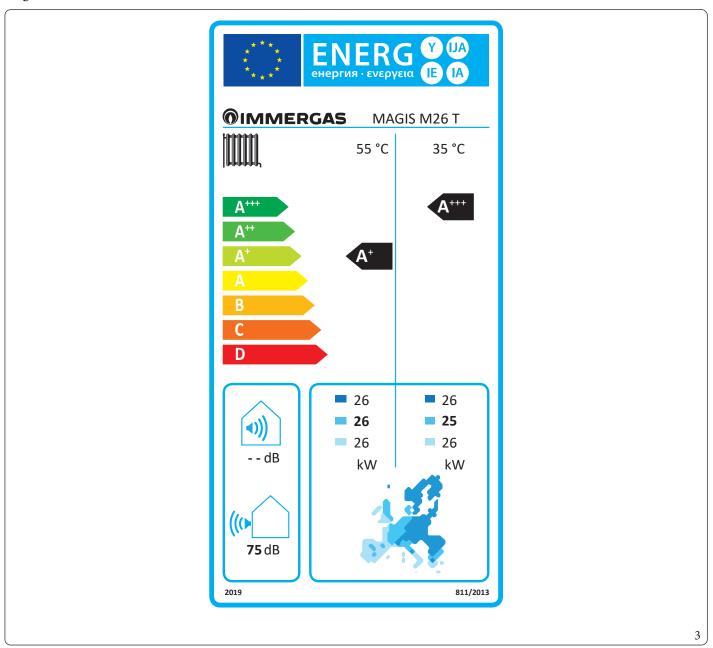
2.1 PRODUCT LABELS

$Mag is\,M18\,T$

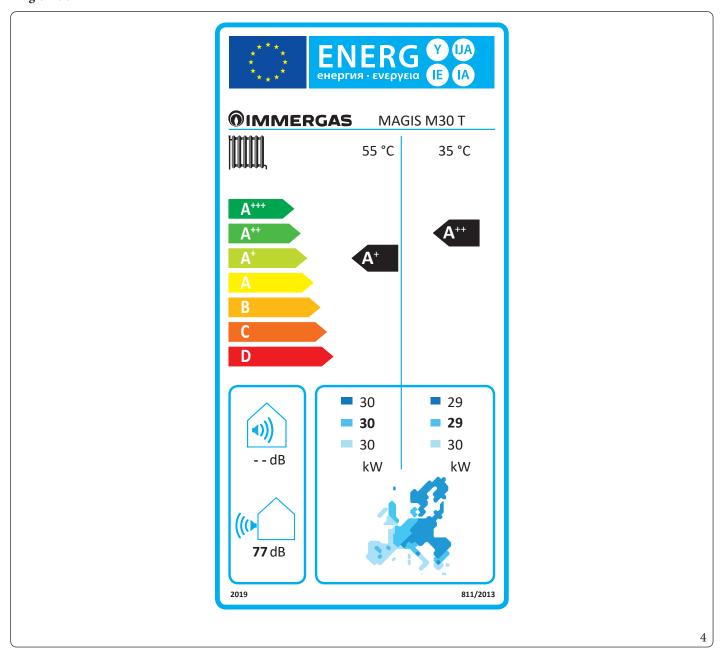


Magis M22 T





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 % oera
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 $C_{\text{dh}} = 0.9$.

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 medius	n temperatu	re applica	ation.				
Element	Symbol	Value	Unit	Element	Symbol	Value	Unit
Rated heat output (*)	P _{rated}	18,4	kW	Room central heating seasonal energy efficiency	η_s	97,0	%
Central heating capacity declared for a part	ialload at in	door tem _j	pera-	Central heating capacity declared for a partia	alload at in	door temp	era-
ture of 20°C and outdoor temperature Tj				ture of 20°C and outdoor temperature Tj			r
$T_j = -7 ^{\circ}C$	Pdh	11,10	kW	$T_i = -7 ^{\circ}C$	COPd	1,98	-
$T_j = + 2 ^{\circ}C$	Pdh	6,70	kW	$T_j = + 2 ^{\circ}C$	COPd	3,44	-
$T_j = +7 ^{\circ}C$	Pdh	4,70	kW	$T_j = +7 ^{\circ}C$	COPd	4,35	-
$T_i = + 12 ^{\circ}C$	Pdh	3,70	kW	$T_{i} = + 12 ^{\circ}C$	COPd	5,68	-
$T_i = bivalent temperature$	Pdh	11,1	kW	$T_i = bivalent temperature$	COPd	1,98	-
T_i = operating limit temperature	Pdh	13,6	kW	T_i = 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	-
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	1029		,
OFFmode	P _{OFF}	0,018	kW	Rated heat output (*)	Psup	18,38	kW
Standby Mode 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				Į.		
Capacity control	V	ARIABLE	Ξ	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}	18156	kWh	water or brine flow rate, heat exchanger outdoors	-	-	m³∖h
For mixed central heating appliances with a	heat pump						
Statedloadprofile		-		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	sS.p.A. vi		<u>-</u>			

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 mediur	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	ial load at in	doortemp	pera-	Central heating capacity declared for a partia	alloadatin	doortemp	era-
ture of 20°C and outdoor temperature Tj		1		ture of 20°C and outdoor temperature Tj	1		1
$T_j = -7 ^{\circ}\text{C}$	Pdh	-	kW	$T_j = -7 ^{\circ}\text{C}$	COPd	-	-
$T_j = + 2 ^{\circ}C$	Pdh	18,40	kW	$T_j = + 2 ^{\circ}C$	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	$T_{\rm biv}$	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 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	V	ARIABLE	E	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	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 $C_{\text{dh}} = 0.9$.

Low temperature heat pump With Supplementary heater Mixed central heating device with heat pum Element Room central heating seasonal energy efficiency Central heating capacity declared for a partiture of 20° C and outdoor temperature Tj $T_{j} = -7^{\circ}$ C $T_{j} = +2^{\circ}$ C $T_{j} = +7^{\circ}$ 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	Symbol η _s alload at in COPd COPd COPd COPd COPd COPd COPd COPd	Value 126,0 door temp 1,74 3,30 4,62 5,20 1,74 1,0810	no no no Unit % pera
	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 % pera
	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	Unit % pera
Room central heating seasonal energy efficiency Central heating capacity declared for a partiture 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	% pera- - - - - -
Room central heating seasonal energy efficiency Central heating capacity declared for a partiture 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	% pera- - - - - -
Room central heating seasonal energy efficiency Central heating capacity declared for a partiture 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	% pera- - - - - -
efficiency Central heating capacity declared for a partiture of 20°C and outdoor temperature Tj $T_j = -7$ °C $T_j = +2$ °C $T_j = +7$ °C $T_j = +12$ °C $T_j = bivalent temperature$ $T_j = bivalent temperature$ $T_j = operating limit temperature$ 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	
ture of 20°C and outdoor temperature Tj $T_{j} = -7 \text{ °C}$ $T_{j} = +2 \text{ °C}$ $T_{j} = +7 \text{ °C}$ $T_{j} = +12 \text{ °C}$ $T_{j} = \text{bivalent temperature}$ $T_{j} = \text{operating limit temperature}$ $T_{or air-water heat pumps: Tj = -15 \text{ °C}}$ For air/water heat pumps: Operating limit temperature	COPd COPd COPd COPd COPd COPd COPd TOL	1,74 3,30 4,62 5,20 1,74 1,08	
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	COPd COPd COPd COPd COPd COPd TOL	3,30 4,62 5,20 1,74 1,08	- - - - -
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	3,30 4,62 5,20 1,74 1,08	- - - - -
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	- - -
T_i = + 12 °C T_i = 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	- - -
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	-
T _j = operating limit temperature For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit temperature	COPd COPd TOL	1,08	-
For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit temperature	COPd TOL	-	-
For air/water heat pumps: Operating limit temperature	TOL		°C
temperature		-10	°C
	COD		
	COP _{cyc}	-	-
Heating water operation limit temperature	W _{TOLp}	60	°C
Additionalheater			
Rated heat output (*)	Psup	8,6	kW
Type of energy supplied		electrical	
For air-water heat pumps: Rated air flow rate outdoors	-	10650	m³\h
For water or brine-water heat pumps: Rated			
water or brine flow rate, heat exchanger outdoors	-	-	m³\h
Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Daily fuel consumption	1	-	kWh
Annual fuel consumption	AFC	-	GJ
	rate outdoors For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors Water central heating energy efficiency Daily fuel consumption Annual fuel consumption gure n.95	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

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 $C_{\text{dh}} = 0.9$.

Model	MAGISM	122T					
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	re 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	ialload at in	door tem _l	oera-	Central heating capacity declared for a partia	alloadatino	doortemp	era-
ture of 20°C and outdoor temperature Tj		ı	1	ture of 20°C and outdoor temperature Tj	1 7		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_{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				
Otheritems		,					
Capacity control	VA	ARIABLE	E	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 $C_{\text{dh}} = 0.9$.

		122T	,				
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):		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	tial load at in	door tem _j	pera-	Central heating capacity declared for a partia	lload at in	door temp	era-
ture of 20°C and outdoor temperature Tj				ture of 20°C and outdoor temperature Tj			r
T _j = - 7 °C	Pdh	-	kW	$T_i = -7 ^{\circ}C$	COPd	-	-
$T_j = + 2 ^{\circ}C$	Pdh	22,10	kW	$T_j = + 2 ^{\circ}C$	COPd	2,12	-
$T_j = +7 ^{\circ}C$	Pdh	14,10	kW	$T_j = +7 ^{\circ}C$	COPd	3,50	-
$T_j = + 12 ^{\circ}C$	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	1019		,
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	1			
Otheritems	CR						
Capacity control	V	ARIABLE	Ξ	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			
Annualenergy 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	Annualfuelconsumption	AFC	-	GJ
Contact information	Immerga	sS.p.A. vi	a Cisa Li	<u>-</u>			

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	ıre 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	doortemp	pera-	Central heating capacity declared for a partia	alloadatin	doortemp	era-
ture of 20°C and outdoor temperature Tj	T	1		ture of 20°C and outdoor temperature Tj	т		
$T_j = -7 ^{\circ}\text{C}$	Pdh	20,6	kW	$T_j = -7$ °C	COPd	1,69	-
$T_j = + 2 ^{\circ}\text{C}$	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	$\mathrm{T_{biv}}$	-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 $C_{\text{dh}} = 0.9$.

	126T					,
		yes	Low temperature heat pump			no
		no	With Supplementary heater			no
		no	Mixed central heating device with heat pump):		no
n temperatu	re applica	ation.				
Symbol	Value	Unit	Element	Symbol	Value	Unit
P _{rated}	26,3	kW	Room central heating seasonal energy efficiency	η_s	101,0	%
ialload at in	door tem _l	pera-	Central heating capacity declared for a partia	lloadatin	door temp	era-
		,	ture of 20°C and outdoor temperature Tj			r
Pdh	15,90	kW	$T_j = -7 ^{\circ}C$	COPd	2,10	-
Pdh	10,20	kW	$T_j = + 2 \degree C$	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	-
$T_{\rm biv}$	-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	26,27	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	-	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
heat pump						
	-		Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Q _{elec}	-	kWh	Daily fuel consumption		-	kWh
AEC	-	kWh	Annualfuelconsumption	AFC	-	GJ
Immerga	S.p.A. vi	a Cisa Li	·			
t	Symbol Prated tialload at ince Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pd	Symbol Value P _{rated} 26,3 tialload at indoor temp Pdh 15,90 Pdh 10,20 Pdh 6,50 Pdh 3,60 Pdh 15,9 Pdh 13,4 Pdh 13,4 Pdh 13,4 Pdh 13,4 Pdh 13,4 Pdh 13,4 P _{cych} - C _{dh} 0,9 ctive mode P _{Cych} P _{CE} 0,018 P _{SB} 0,096 P _{CK} 0,000 VARIABLE L _{WA} -/75 Q _{HE} 24967 a heat pump - Q _{elec} - AEC - Immergas S.p.A. vi	No No No No No No No No	m temperature application. Symbol Value Unit Element	no With Supplementary heater no Mixed central heating device with heat pump: mtemperature application. Symbol Value Unit Element Symbol P _{rated} 26,3 kW Room central heating seasonal energy efficiency tial load at inductor temperature Pdh 15,90 kW T _i =-7°C COPd Pdh 10,20 kW T _i =+2°C COPd Pdh 3,60 kW T _i =+12°C COPd Pdh 15,9 kW T _i =bivalent temperature Pdh 13,4 kW T _i =bivalent temperature COPd Pdh 13,4 kW T _i =bivalent temperature COPd Pdh 13,4 kW For air-water heat pumps: T _i =-15°C COPd Pdh 13,4 kW For air-water heat pumps: Operating limit temperature P _{cych} - kW Efficiency of cycle range COP _{cyc} C _{dh} 0,9 - Heating water operation limit temperature W _{TOLe} Ctive mode Additional heater P _{OFF} 0,018 kW Rated heat output (*) Psup P _{TD} 0,018 kW Type of energy supplied VARIABLE For air-water heat pumps: Rated air flow rate outdoors L _{WA} -/75 dB For water or brine-water heat pumps: Rated water or brine flow rate, heat exchanger outdoors Alexa 24967 kWh Water or brine flow rate, heat exchanger outdoors Alexa - kWh Daily fuel consumption Q _{fisel} AEC - kWh Annual fuel consumption AFC Immergas S. p. A. via Cisa 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	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 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 _j	pera-	Central heating capacity declared for a partia	lloadatin	doortemp	oera-
ture of 20°C and outdoor temperature Tj		I		ture of 20°C and outdoor temperature Tj			
$T_j = -7 ^{\circ}C$	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	V	ARIABLI	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	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 miz	xed with heat pump, the rated heat output P _{rated}	is equal to	the design	load
				equal to the supplementary heating capacity su		C	

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 $C_{dh} = 0.9$.

			l .				
		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	%	
ialload at in	door temp	pera-		lloadatin	door temp	era-	
		,	ture of 20°C and outdoor temperature Tj				
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					
	0,096	kW	Type of energy supplied	e	electrical		
	0,000	kW					
CK		J					
VA	ARIABLE	E	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³\h	
$L_{w_{\Delta}}$	-/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	
heatpump							
	-		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 ialload at ince Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pd	Symbol Value P _{rated} 29,7 ialload 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} - C _{dh} 0,9 tive mode P _{CK} P _{CK} 0,018 P _{SB} 0,096 P _{CK} 0,000 VARIABLE L _{WA} -/77,0 Q _{HE} 19316 theat pump - AEC - Immergas S.p.A. vi r Immergas S.p.A. vi r	Name	n temperature application. Symbol Value Unit Room central heating seasonal energy efficiency	Symbol Value Unit Element Symbol P _{rated} 29,7 kW Room central heating seasonal energy efficiency Ω _s Central heating capacity declared for a partial load at indoor temperature Central heating capacity declared for a partial load at in ture of 20°C and outdoor temperature Tj	$ \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	130T					
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 medium	n 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 part	ial load at in	door tem _l	oera-	Central heating capacity declared for a partia	lloadatin	doortemp	oera-
ture of 20°C and outdoor temperature Tj		I		ture of 20°C and outdoor temperature Tj		1	
$T_j = -7 ^{\circ}\text{C}$	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	-
$T_j = +7 ^{\circ}C$	Pdh	7,40	kW	$T_j = +7 ^{\circ}C$	COPd	5,18	-
$T_j = + 12 ^{\circ}C$	Pdh	3,60	kW	$T_j = + 12 ^{\circ}C$	COPd	5,73	-
T_i = bivalent temperature	Pdh	18,4	kW	$T_i = bivalent temperature$	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 ac	tive 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	VA	ARIABLE	E	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	heatpump						
Stated load profile		-		Water central heating energy efficiency	$\eta_{ m wh}$	-	%
Daily electrical power consumption	Q _{elec}	-	kWh	Dailyfuelconsumption	Q_{fuel}	-	kWh
Annual electrical power consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contactinformation	Immergas	S.p.A.vi	a Cisa Li	gure n.95			
(*) For heat pump appliances for space heati					is equal to	the design	load
				red 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 $C_{dh} = 0.9$.

		yes	T (1 (
		yes	Low temperature heat pump			no
		no	With Supplementary heater			no
		no	Mixed central heating device with heat pump):		no
n temperatu	reapplica	ation.				
Symbol	Value	Unit	Element	Symbol	Value	Unit
P _{rated}	29,7	kW	Room central heating seasonal energy efficiency	η_s	163,0	%
alloadatin	door tem _l	pera-	Central heating capacity declared for a partia	lload at in	door temp	era-
		,	ture of 20°C and outdoor temperature Tj			
Pdh	-	kW	$T_j = -7 ^{\circ}C$	COPd	-	-
Pdh	26,40	kW	$T_j = + 2 \degree C$	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
tive mode			Additional heater			
P _{OFF}	0,018	kW	Rated heat output (*)	Psup	3,32	kW
	0,018	kW				
1	0,096	kW	Type of energy supplied	e	lectrical	
	0,000	kW				
CK		J				
VA	ARIABLE	E	For air-water heat pumps: Rated air flow rate outdoors	-	11200	m³\h
Lwa	-/77	dB	For water or brine-water heat pumps: Rated			
Q _{HE}	9580	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	Annualfuelconsumption	AFC	-	GJ
Immergas	S.p.A. vi	a Cisa Li	·			
	Symbol Prated alload at incomplete in the state of the	Symbol Value P _{rated} 29,7 ial load at indoor temp Pdh - Pdh 26,40 Pdh 19,10 Pdh 19,1 Pdh 26,40 Pdh - T _{biv} 7 P _{cych} - C _{dh} 0,9 tive mode P _{CFF} 0,018 P _{TO} 0,018 P _{SB} 0,096 P _{CK} 0,000 VARIABLE L _{WA} -/77 Q _{HE} 9580 heat pump - Q _{elec} - AEC - Immergas S.p.A. vi ng and heating applia - -	P _{rated} 29,7 kW ial load at indoor tempera- Pdh	Symbol Value Unit Element P _{rated} 29,7 kW Room central heating seasonal energy efficiency ialload at indoor tempera- Central heating capacity declared for a partic ture of 20°C and outdoor temperature Tj Pdh - kW T _i = -7°C Pdh 26,40 kW T _j = +12°C Pdh 19,10 kW T _j = +12°C Pdh 8,90 kW T _j = +12°C Pdh 19,1 kW T _j = operating limit temperature Pdh 26,40 kW For air-water heat pumps: Tj = -15°C For air/water heat pumps: Operating limit temperature For air/water heat pumps: Operating limit temperature P _{cych} - kW Efficiency of cycle range C _{dh} 0,9 - Heating water operation limit temperature tive mode Additional heater P _{OEF} 0,018 kW P _{TO} 0,018 kW P _{CK} 0,000 kW Type of energy supplied VARIABLE For water or brine-wate	Symbol Value Unit Element Symbol P _{rated} 29,7 kW Room central heating seasonal energy efficiency η, and and a contral heating seasonal energy efficiency Central heating capacity declared for a partial load at in ture of 20°C and outdoor temperature Tj Pdh - kW T _j =-7°C COPd Pdh 26,40 kW T _j =-7°C COPd Pdh 19,10 kW T _j =+12°C COPd Pdh 19,1 kW T _j = bivalent temperature COPd Pdh 26,40 kW T _j = operating limit temperature COPd Pdh 26,40 kW For air-water heat pumps: Tj=-15°C COPd Tbu 7 °C For air-water heat pumps: Operating limit temperature TOL P _{cych} - kW Efficiency of cycle range COP _{cyc} C _{dh} 0,9 - Heating water operation limit temperature W _{ToLe} twe mode Additional heater P _{cyc} P _{cyc} P _{sup} P _{CE} <	$ \begin{array}{ c c c c c } \hline Symbol & Value & Unit & Element & Symbol & Value \\ \hline P_{rated} & 29.7 & kW & Room central heating seasonal energy efficiency \\ \hline Allow & Room central heating seasonal energy efficiency \\ \hline Allow & Room central heating seasonal energy efficiency \\ \hline Allow & Room central heating seasonal energy efficiency \\ \hline Allow & Room central heating seasonal energy efficiency \\ \hline Allow & Room central heating seasonal energy efficiency \\ \hline Allow & Room central heating seasonal energy efficiency \\ \hline Pdh & Symbol & Room central heating seasonal energy efficiency \\ \hline Pdh & Room central heating seasonal energy efficiency \\ \hline Pdh & Room central heating seasonal energy \\ \hline Pdh & Room central heating seasonal energy \\ \hline Pdh & Room central heating seasonal energy \\ \hline Pdh & Room central heating seasonal energy \\ \hline Pdh & Room central heating seasonal energy \\ \hline Pdh & Room central heating seasonal energy \\ \hline Pdh & Room central heating seasonal energy \\ \hline Pdh & Room central heating seasonal energy efficiency \\ \hline COPd & Room central heating seasonal energy entities in the partial part of the part of t$

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 vi	o Cico I i	guran 05	'		

^(**) Since September 26, 2018

In formation requirements for space chillers											
Model			MAGISM18T								
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	$\eta_{s,c}$	216,0	%				
Cooling capacity declared for partial load at:	a given outo	doortemp	erature	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 _d	6,68	-				
Tj=+20°C	P _{dc}	3,30	kW	Tj=+20°C	EER,	5,15	-				
,	j dc	ı		,	<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	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	3	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	sS.p.A. vi	a Cisa Li _į	gure n.95							
(*) If C _{dc} is not determined by measuring, the											

^(**) Since September 26, 2018

In formation requirements for space chillers											
Model			MAGISM22T								
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}	20,60	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	185,0	%				
Cooling capacity declared for partial load at a Tj	a given outo	loor temp	erature	1 15,0							
Tj=+35°C	P _{dc}	20,60	kW	Tj=+35°C	EER _d	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	E	For air-water emergency chillers: air flow		9050	m³\h				
Sound power level, indoors/outdoors	L_{WA}	-\73	dB	rate, measured outdoors	-	8950	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	-	-	m³\h				
GWP of refrigerant	-	675	kg CO _{2eq}	heat exchanger							
Standard rating conditions used	Lowtemp	erature a _l	pplicatio	n							
Contactinformation	Immergas	S.p.A. vi	a Cisa Li	gure n.95							

^(**) Since September 26, 2018

Information requirements for space chillers Model				MACICMAAT					
	-		MAGISM22T						
Heat exchanger:				Air-Water					
Type:				Steam compression cycl Electric motor	e				
Compressor start-up:	Compressor start-up:								
	1						i		
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 Ti	a given outo	loor temp	perature	Cooling capacity declared for partial load at Ti	a given outo	loor temp	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 _d	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	Standby Mode	P_{SB}	0,017	kW		
Otheritems									
Capacity control	VA	ARIABLE	E	For air-water emergency chillers: air flow		8950	3\ h		
Sound power level, indoors/outdoors	L_{WA}	-\73	dB	rate, measured outdoors	-	8930	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}	Incarexcususei					
Standard rating conditions used	Mediumt	emperatu	ıre appli	cation					
Contactinformation	Immergas S.p.A. via Cisa Ligure n.95								

Since September 26, 2018

In formation requirements for space chillers											
Model			MAGISM26T								
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}	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	loor temp	erature	Cooling capacity declared for partial load at Tj	a given outo	loor temp	eratur				
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,	5,19	-				
Tj=+20°C	P _{dc}	5,60	kW	Tj = +20°C	EER _d	6,84	-				
	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	3	For air-water emergency chillers: air flow		0750	m³\h				
Sound power level, indoors/outdoors	L_{WA}	-\75	dB	rate, measured outdoors	-	9750	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	-	-	m³\h				
GWP of refrigerant	-	675	kg CO _{2eq}	heat exchanger							
Standard rating conditions used	Lowtemp	erature a _l	plicatio	n							
Contactinformation	Immergas	S.p.A. vi	a Cisa Li	gure n.95		_					

^(**) Since September 26, 2018

Model Heat exchanger:				MAGISM26T							
			Air-Water								
			Steam compression cycle	2							
Compressor start-up:											
,											
Symbol	Value	Unit	Element	Symbol	Value	Unit					
P _{rated,c}	26,80	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	226,0	%					
Cooling capacity declared for partial load at a given outdoor temper Tj				a given outo	loor temp	erature					
P _{dc}	26,80	kW	Tj=+35°C	EER,	4,04	-					
	19,40	kW	Tj=+30°C	EER _d	5,21	-					
	12,10	kW	Tj=+25°C	EER _d	6,23	-					
1	5,90	kW	Tj=+20°C	EER,	6,94	-					
dc j			1 '	1 4							
C_{dc}	0,9	-									
ctive mod	e"										
P_{OFF}	0,017	kW	Crankcase heater mode electrical	P_{CK}	0,000	kW					
P_{TO}	0,084	kW	Standby Mode	P_{SB}	0,017	kW					
VA	ARIABLE	2	For air-water emergency chillers: air flow		0750	m³\h					
L_{WA}	-\75	dB	rate, measured outdoors	-	9/30	III-/II					
NO _x (**)	-	mg\ kWh input GCV	For water / brine-water chillers: brine or rated brine water flow rate, outdoors side	-	-	m³\h					
-	675	kg CO _{2eq}	incareachanger								
Mediumt	emperatu	re applic	cation								
Immergas	S.p.A. vi	a Cisa Liş	gure n.95								
	$P_{\rm rated,c}$ given out of $P_{\rm dc}$ $P_$	$P_{rated,c}$ 26,80 given outdoor tempto 26,80 P_{dc}	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c c c c} \textbf{Symbol} & \textbf{Value} & \textbf{Unit} & \textbf{Element} & \textbf{Symbol} \\ P_{rated,c} & 26,80 & kW & Space heating seasonal energy efficiency & $\eta_{s,c}$ \\ given outdoor temperature & Cooling capacity declared for partial load at a given out & Tj & EER_d & P_{dc} & 19,40 & kW & Tj=+35^{\circ}C & EER_d & P_{dc} & 12,10 & kW & Tj=+25^{\circ}C & EER_d & P_{dc} & 5,90 & kW & Tj=+20^{\circ}C & EER_d & P_{dc} & 5,90 & kW & Tj=+20^{\circ}C & EER_d & P_{dc} & 0,9 & - & & & & \\ \hline \textbf{Ctive mode}^* & & & & & & & & & \\ \hline VARIABLE & & & & & & & & & & \\ \hline VARIABLE & & & & & & & & & \\ \hline L_{WA} & -\sqrt{75} & dB & & & & & & & \\ \hline NO_x(**) & - & & & & & & \\ \hline & & & & & & & & \\ \hline & & & &$	$ \begin{array}{c c c c c} \textbf{Symbol} & \textbf{Value} & \textbf{Unit} & \textbf{Element} & \textbf{Symbol} & \textbf{Value} \\ P_{rated,c} & 26,80 & kW & Space heating seasonal energy efficiency & $\eta_{s,c}$ & $226,0$ \\ given outdoor temperature & Cooling capacity declared for partial load at a given outdoor temp ration of the partial of the parti$					

^(**) Since September 26, 2018

In formation requirements for space chillers											
Model			MAGIS M30 T								
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}	29,50	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	177,0	%				
Cooling capacity declared for partial load at a given outdoor temper Tj				Cooling capacity declared for partial load at Tj	a given outo	doortemp	eratur				
Tj=+35°C	P _{dc}	29,50	kW	Tj=+35°C	EER,	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	5,06	-				
Tj=+20°C	P _{dc}	6,00	kW	Tj=+20°C	EER _d	6,75	-				
	,										
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		10650	2) 1				
Sound power level, indoors/outdoors	L_{wA}	-\77	dB	rate, measured outdoors	-	10650	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	-	-	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							

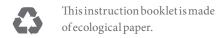
^(**) Since September 26, 2018

In formation requirements for space chillers											
Model			MAGISM30T								
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}	30,80	kW	Space heating seasonal energy efficiency	$\eta_{s,c}$	225,0	%				
Cooling capacity declared for partial load at:	a given outo	doortemp	perature	Cooling capacity declared for partial load at:	a given outo	door temp	erature				
Tj=+35°C	P _{dc}	30,80	kW	Tj=+35°C	EER,	3,79	-				
Tj=+30°C	P _{dc}	22,10	kW	Tj=+30°C	EER,	5,06	-				
Tj=+25°C	P _{dc}	13,90	kW	Tj=+25°C	EER	6,33	-				
Tj=+20°C	P _{dc}	6,30	kW	Tj=+20°C	EER,	7,01	-				
,	j dc			,	<u> </u>						
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	Ξ	For air-water emergency chillers: air flow		10650	m³\h				
Sound power level, indoors/outdoors	L _{wa}	-\77	dB	rate, measured outdoors	-	10650	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	Immerga	S.p.A. vi	a Cisa Liş	gure n.95							
Contact information (*) If C _{dc} is not determined by measuring, the (**) Since September 26, 2018											

^(**) Since September 26, 2018

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: 23/18	EER/COP(/)	4,75	4,6	4,3	4,0
D 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 remperature: 30/33	EER/COP(/)	4,7	4,4	4,08	3,91
Capac	Capacity(kW)	18,00	22,00	24,00	26,00
Water Temperature: 2/1	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
-16	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



immergas.com

 $Immergas\,S.p.A.$ 42041 Brescello (RE) - Italy Tel. 0522.689011 Fax 0522.680617









