

MAXA[®]
AIR CONDITIONING

Heat Pumps
i-32V5 

REFRIGERANT
R32



i-32V5 

Range of R32 Gas Heat Pumps

Designed for residential and commercial applications, it provides exceptional performance and a low environmental impact, the best choice for uncompromising comfort



Winter Heating

The i-32V5 series ensures comfortable heating in winter by combining high energy efficiency levels with extreme ease of use.



Summer Cooling

The MAXA units of the i-32V5 series provide cold water suitable for AC services in summer in an efficient and environmentally friendly way.



Domestic Hot Water

The production of domestic hot water, traditionally provided by combustion systems, can be guaranteed by the heat pumps of the i-32V5 series with full respect for the environment.



Wide Range Available

There are **11 models** available, with power values between 6 kW and 18 kW. The use of inverter technology, together with brushless DC motors, ensures a **very high overall energy efficiency** both for the reduction of the specific consumption of each motor and for the high modulation capacity



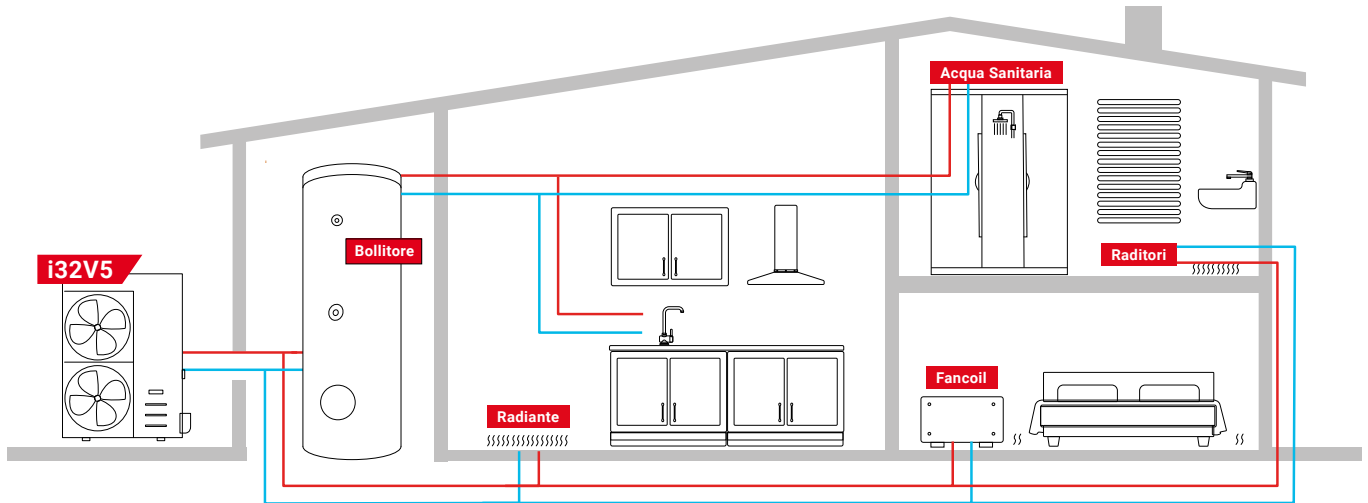
Energy Efficiency

The i-32V5 range makes extensive use of brushless DC motor technology that is applied to compressors, circulation pumps and fans. Moreover, inverter technology is also used for compressors, thereby ensuring very high energy efficiency levels and a high capacity to modulate the power output.



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Limitless Versatility

Our i-32V5 system is the ideal solution for a wide range of applications, including those with underfloor heating, fan coils or wall-mounted radiant systems.

Quiet and Efficient

The i-32V5 heat pumps operate with low sound levels, thereby ensuring optimal acoustic comfort while working efficiently

Compact Design and High Performance

Maximum efficiency in a compact design. They easily adapt to different space configurations, offering a tailor-made solution for every need.



		06A	08A	10	10T	12	12T	14	14TA	16	16TA	18TA
L	mm	918	918	1.047	1.047	1.047	1.047	1.044	1.044	1.044	1.044	1.044
P	mm	394	394	455	455	455	455	455	455	455	455	455
H	mm	830	830	936	936	936	936	1.409	1.409	1.409	1.409	1.409

i-32V5		06A	08A	10	10T	12	12T	14	14TA	16	16TA	18TA
Cooling												
Cooling capacity (1)	kW	5,7* / 5,2	6,7* / 6,1	8,3* / 7,5	8,3* / 7,5	9,4* / 8,5	9,4* / 8,5	12,1* / 11,5	12,1* / 11,5	14,5* / 13,8	14,5* / 13,8	15,8* / 15,04
Power input (1)	kW	1,6	2,0	2,4	2,4	2,8	2,8	3,5	3,5	4,4	4,4	4,9
EER (1)	W/W	3,2	3,1	3,2	3,2	3,1	3,1	3,3	3,3	3,2	3,2	3,1
Cooling capacity (2)	kW	6,7* / 6,4	8,7* / 8,0	10,4* / 9,5	10,4* / 9,5	12,8* / 11,6	12,8* / 11,6	14,7* / 14,0	14,7* / 14,0	16,6* / 15,8	16,6* / 15,8	18,0* / 17,1
Power input (2)	kW	1,3	1,8	2,2	2,2	2,8	2,8	2,6	2,6	3,2	3,2	3,6
EER (2)	W/W	4,9	4,5	4,4	4,4	4,2	4,2	5,4	5,4	5,0	5,0	4,8
SEER (5)	W/W	4,4	4,5	4,3	4,3	4,4	4,4	4,8	4,8	4,9	4,9	5,1
Water flow (1)	L/s	0,3	0,3	0,4	0,4	0,4	0,4	0,6	0,6	0,7	0,7	0,7
Available pressure (1)	kPa	75,0	71,0	68,9	68,9	63,4	63,4	75,0	75,0	62,3	62,3	55,6

Heating												
Heating capacity (3)	kW	7,5* / 6,1	9,4* / 7,8	11,6* / 10,1	11,6* / 10,1	13,6* / 11,8	13,6* / 11,8	15,2* / 14,1	15,2* / 14,1	17,6* / 16,3	17,6* / 16,3	19,3* / 17,9
Power input (3)	kW	1,3	1,7	2,3	2,3	2,7	2,7	2,9	2,9	3,5	3,5	4,1
COP (3)	W/W	4,9	4,6	4,4	4,4	4,3	4,3	4,9	4,9	4,7	4,7	4,4
Heating capacity (4)	kW	7,0* / 6,0	9,0* / 7,7	11,2* / 9,76	11,2* / 9,8	13,2* / 11,5	13,2* / 11,5	14,6* / 13,6	14,6* / 13,6	17,0* / 15,8	17,0* / 15,8	18,7* / 17,3
Power input (4)	kW	1,6	2,1	2,8	2,8	3,3	3,3	3,6	3,6	4,2	4,2	4,9
COP (4)	W/W	3,8	3,7	3,5	3,5	3,4	3,4	3,8	3,8	3,7	3,7	3,5
SCOP (6)		4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5
Water flow (3)	L/s	0,3	0,4	0,5	0,5	0,6	0,6	0,7	0,7	0,8	0,8	0,8
Available pressure (3)	kPa	73,0	65,5	55,2	55,2	43,4	43,4	63,6	63,6	48,5	48,5	37,3

Energy efficiency (Water 35°C / 55°C)	A+++ / A++ A+++ / A++ A+++ / A++ A+++ / A++ A+++ / A++ A+++ / A++ A+++ / A++ A+++ / A++ A+++ / A++											
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Compressor												
Type	Twin Rotary DC Inverter											
Compressors	n°	1	1	1	1	1	1	1	1	1	1	1
Refrigerant circuits	n°	1	1	1	1	1	1	1	1	1	1	1
Refrigerant charge (7)	kg	0,97	0,97	2,5	2,5	2,5	2,5	3,2	3,2	3,5	3,5	3,5

Hydraulic circuit												
Water connections	inch	1" M	1" M	1" M	1" M	1" M	1" M	1" M	1" M	1" M	1" M	1" M
Min. water volume (8)	L	40	40	50	50	60	60	60	60	70	70	70

Sound level												
Sound power Lw (9)	dB(A)	64	64	64	64	65	65	68	68	68	68	68
Sound pressure at 1 m distance Lp1 (10)	dB(A)	62	62	62	62	62	62	66	66	66	66	66

Electrical data												
Power supply		230V/1/50Hz			400V 3/50Hz	230V 1/50Hz	400V/3P +N+T/50Hz	230V/ 1/50Hz	400V/3P +N+T/50Hz	230V/ 1/50Hz	400V/3P +N+T/50Hz	
Max. power input	kW	3,4	4,1	4,6	4,6	5,1	5,1	6,6	6,6	7,0	7,0	8,3
Max. current input	A	15,5	18,7	20,2	6,6	22,1	7,3	28,6	9,5	30,4	10,1	12,0

Weight												
Gross weight	kg	77	77	110	110	110	110	134	148	140	154	154
Operation weight	kg	66	66	96	96	96	96	121	136	126	141	141

Operating conditions:
 (1) Cooling: Outdoor air temperature 35°C; inlet/outlet water temperature 12/7°C.
 (2) Cooling: Outdoor air temperature 35°C; inlet/outlet water temperature 23/ 18°C.
 (3) Heating: Outdoor air temperature 7°C DB 6°C WB; inlet/outlet water temperature 30/35°C.
 (4) Heating: Outdoor air temperature 7°C DB 6°C WB; inlet/outlet temperature 40/45°C.
 (5) Cooling: Water temperature inlet/outlet 12/7°C.
 (6) Heating: in average climate condition; T_{biv}=-7°C; water temperature inlet/outlet 30/35°C.
 (7) The data are only indicative and subject to change. For the correct data, refer to the technical label stuck on the unit.
 (8) Calculated for a decrease of the water temperature of the plant with 10°C with a defrosting cycle of 6 minutes.
 (9) Sound power heating mode condition (3); the value is determined respecting the measurements taken in accordance with the regulations UNI EN ISO 9614-2, in compliance with the Eurovent certification.
 (10) Sound pressure level obtained with internal measurements made in accordance with ISO 3744, at 1 m distance.
 (*) by activating the maximum Hz function