



R32
REFRIGERANT

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

 *DESIGNED AND MANUFACTURED IN ITALY*



MUXA[®]
HEATING & COOLING



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

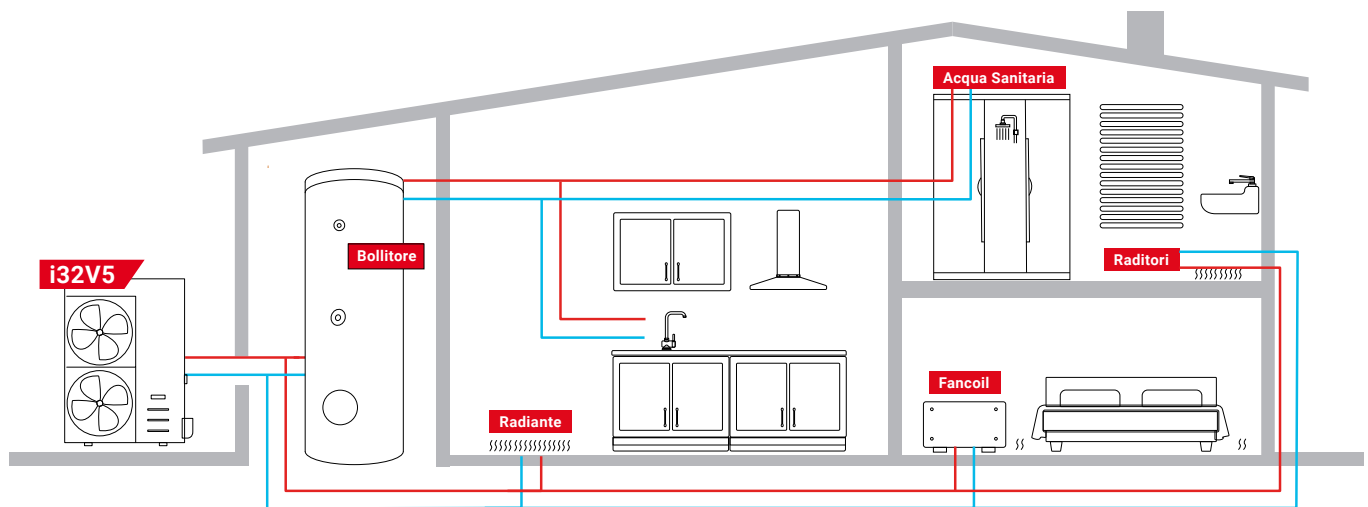


There are **15 models** available, with power values between 6 kW and 32 kW. The use of inverter technology, together with brushless DC motors, ensures a *very high overall energy efficiency* both for the reduction of the specific consumption of each motor and for the high modulation capacity



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.



Limitless Versatility

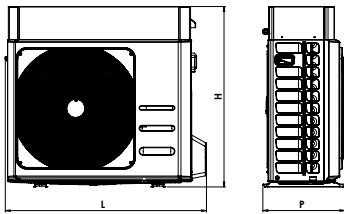
Our i-32V5 system is the ideal solution for a wide range of applications, including those with underfloor heating, fan coils or wall-mounted radiant systems.

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.



Dimensions		06A	08A	10	10T A	12	12T A	14	14T A	16	16T A	18T A
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 A	12	12T A	14	14T A	16	16T A	18T A
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	71	69	69	63	63	75	75	62	62	56
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	71	65	53	53	41	41	61	61	46	46	33
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++	A+++ / A++	A+++ / A++
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)	62	62	63	63	63	63	66	66	66	66	66
Sound pressure at 1 m distance Lp1 (10)	dB(A)	47	47	48	48	48	48	51	51	51	51	51
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 according to EN 12102:2022; value determined on the basis of measurements made in accordance with UNI EN ISO 9614-1, in compliance with Eurovent certification requirements.

(10) Sound pressure level obtained with internal measurements made in accordance with ISO 3744, at 1 m distance.

(*) by activating the maximum Hz function

Versions

i-32V5
i-32V5 SL

Reversible heat pump
Silenced reversible heat pump

i-32V5/KA

Reversible heat pump with integrated
defrosting kit

See technical documentation for data of i-32V5 SL version.

Accessories

GI *

Internal hardware extension module

TR2

Anti-corrosion treatment

Loose accessories

e-Pro

Wi-Fi wall remote control

e-Lite

Multifunctional remote control system

Hi-TV415

Multifunctioning touch screen remote control

CONNECT BOX**

Gateway Heat Pump Communication and Maxa Connect

i-CR

Remote wall controller

EXOGEL

Frost protection

GI3**

External hardware extension module

AG

Vibration damper kit

SAS

DHW probe / Sanitary water probe

SPS

Solar panel probe

VDIS2

Three-wires diverting valve

FD

Dirt separator filter

FY

Y-filter

ACT

Outdoor water buffer (*view page.26*)

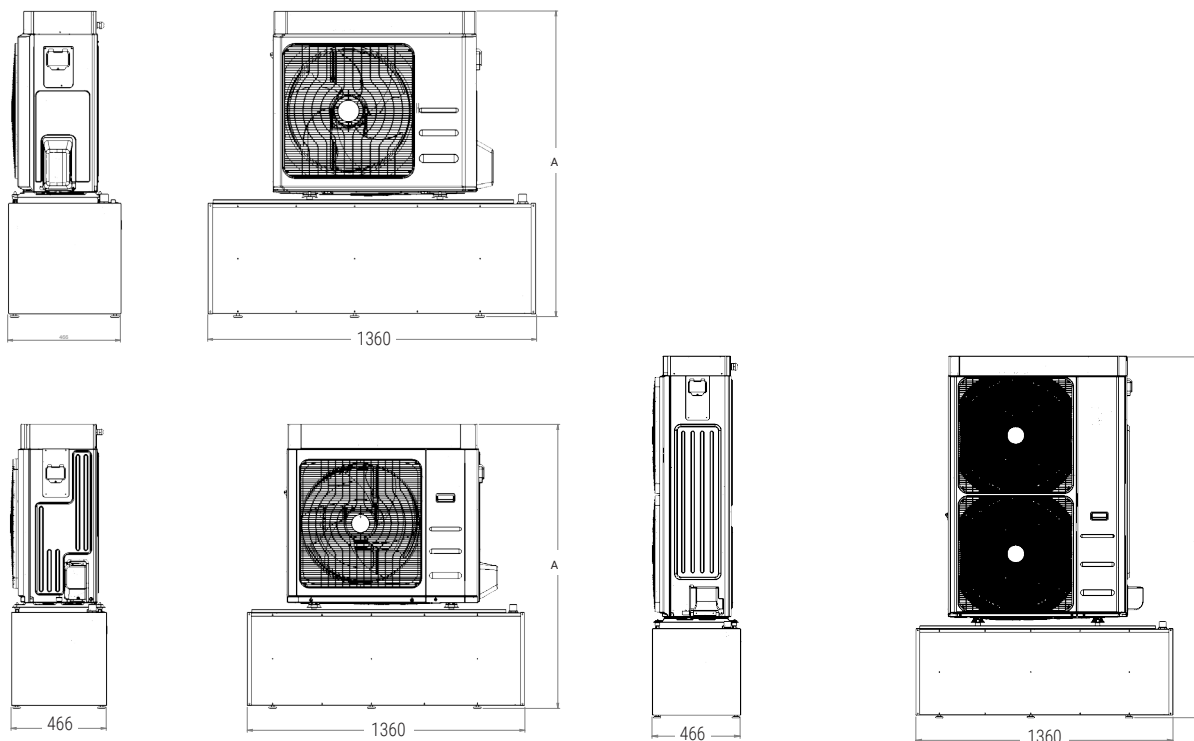
VARCO

Condensate collection tray

* Factory mounted accessory available only for sizes 10-12-14-16

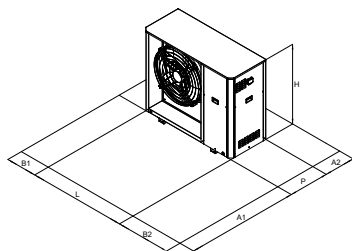
** Accessories that cannot be used simultaneously

ACT		50	75	95
Useful capacity	L	50	75	95
Insulation thickness	mm		50	
Thermal conductivity coefficient	W/mK		0,04	
Max operating temperature	°C		95	
Max working pressure	bar		6	
Maximum test pressure	bar		3	
Empty weight	kg	60	65	69
Operating weight	kg	110	140	165
Dimensions	mm	1360x466x504 (527)		



Variation of the total height (A)
as a function of the supporters regulation

Dimensions (A)		Min
i-32V5 04-06-08	mm	1270
i-32V5 10-12	mm	1.400
i-32V5 14-14T-16-16T-18T	mm	1.900



Spaces of respect		0121-0126	0128-0132
A1	mm	1500	1500
A2	mm	400	400
B1	mm	400	400
B2	mm	700	700

Dimensions		0121	0126	0128	0132
L	mm	1600	1600	1600	1600
P	mm	640	640	640	640
H	mm	1315	1315	1315	1315

i-32V5H Midi		0121	0126	0128	0132
Cooling					
Cooling capacity (1)	kW	18,0* / 17,7	22,7* / 18,7	25,0* / 24,2	27,5* / 26,0
Power input (1)	kW	5,9	6,2	8,0	8,7
EER (1)	W/W	3,0	3,0	3,0	3,0
Cooling capacity (2)	kW	25,1* / 22,0	27,7* / 25,8	30,8* / 29,0	32,7* / 31,4
Power input (2)	kW	4,4	5,5	6,4	7,1
EER (2)	W/W	5,0	4,7	4,6	4,4
SEER (3)	W/W	4,4	4,6	4,8	4,8
Water flow (1)	L/s	0,8	0,9	1,2	1,2
Hydronic circuit side load losses (1)	kPa	32,5	34,5	31,2	34,2
Heating					
Heating capacity (3)	kW	25,2* / 21,3	27,3* / 26,0	31,4* / 28,0	33,9* / 32,1
Power input (3)	kW	4,9	6,4	6,4	7,9
COP (3)	W/W	4,3	4,0	4,4	4,1
Heating capacity (4)	kW	25,2* / 21,2	27,6* / 25,8	30,7* / 28,3	34,5* / 32,7
Power input (4)	kW	6,4	7,9	8,2	9,9
COP (4)	W/W	3,3	3,3	3,5	3,3
SCOP (6)	W/W	4,2	4,0	4,3	4,0
Water flow (1)	L/s	1,0	1,2	1,4	1,6
Use side heat exchanger load losses (4)	kPa	37,9	53,1	41,4	50,6
Energy efficiency (Water 35°C / 55°C)	Class	A++/A+	A++/A+	A++/A++	A++/A+
Compressor					
Type	Twin Rotary DC Inverter				
Compressors	n°	1	1	1	1
Refrigerant circuits	n°	1	1	1	1
Refrigerant (R32)	kg	4,3	4,3	5,1	5,1
Cooling quantity in tonnes of CO2 equivalent	ton	2,90	2,90	3,44	3,44
Fan					
Type	DC Brushless				
Number	N°	1	1	1	1
Nominal air flow (1)	m³/h	10769	10847	12209	13202
Hydronic heat exchanger					
Type	Plate				
Number	N°	1	1	1	1
Hydraulic circuit					
Water connections	inch	1"	1"	1 1/4	1 1/4
Water quantity	L	2,4	2,4	3,4	3,4
Minimum water volume	L	110	110	110	110
Sound level					
Sound power (7)	dB(A)	65	65	67	67
Electrical data					
Power supply	400V/3P+N+T/50Hz				
Max. power input	kW	12,3	12,3	14,7	14,7
Max. current input	A	22,9	22,9	26,8	26,8
Weight					
Gross weight	kg	250	250	265	265
Net weight (*)	kg	240	240	255	255

Performance referred to the following conditions:

- (1) Cooling: outdoor air temperature 35 ° C; water temperature in / out 12/7 ° C.
 (2) Cooling: outdoor air temperature 35 ° C; water temperature in / out 23/18 ° C
 (3) Heating: external air temperature 7 ° C d.b. 6 ° C b.u. ; in / out water temp. 30/35 ° C.

(4) Heating: external air temperature 7 ° C d.b. 6 ° C b.u. ; in / out water temp. 40/45 ° C

(5) Cooling: inlet / outlet water temperature 12/7 ° C.

(6) Heating: average climatic conditions; T_{biv} = -7 ° C; in / out water temp. 30/35 ° C.

(7) Sound power: heating mode according to EN 12102:2022; value determined on the basis of measurements made in accordance with UNI EN ISO 9614-1, in compliance with Eurovent certification requirements.

(*) by activating the maximum Hz function

Also available in cold only version: i-32V5C Midi.

Accessories

CM	Modbus communication module	KA	Plate heat exchanger + basement
DS	Desuperheater partial heat recovery unit		electrical heaters
DSFR	Sequence control device, phase failure +	RP	Metallic guards for condenser
	Minimum and Maximum voltage relay	TR2	Cu / Al coil with Silver Line anti-corrosion
GI	Internal hardware extension module		treatment
IM	Protection switches	SL	Silenced version

Loose accessories

e-Pro	Wi-Fi wall remote control		probe
e-Lite	Multifunctional remote control system	VDIS3	Three-wires diverting valve
Hi-TV415	Remote Touch Screen Display	FD	Dirt separator filter
CONNECT BOX	Gateway Heat Pump Communication and	FY	Y-strainer
	Maxa Connect	ACT	Outdoor water buffer (<i>view page.28</i>)
i-CR	Remote wall controller	TR2C4	Cu/Al battery with anti-corrosion and
AG	Anti-vibration kit		metal panels treatment
SAS	Remote plant probe - Sanitary storage		

Versions

i-32V5H Midi	Standard version reversible heat pump	i-32V5H-BT Midi	BT version reversible heat pump (for low water temperatures)
i-32V5H-DS Midi	Reversible heat pump with desuperheater		