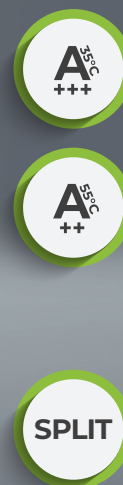


# Heatmi Split heat pump

HES40X1o<sup>[R14]</sup> / HES60X1i<sup>[R14]</sup>



## Device features

Environmentally friendly refrigerant R32	Efficient heating	Energy efficiency class at 35°C A+++	Energy efficiency class at 55°C A++	Maximum COP 5,20	Operating range down to -25°C	Supply water temperature of 65°C	Smart Grid functionality
Twin rotary compressor	Integrated electric heater	Outdoor unit drip tray heater	Compressor crankcase heater	Indoor unit drip tray	Easy installation and maintenance	Compact indoor split unit housing	Maximum installation length up to 30m
Silent mode	Integrated Wi-Fi module	Daily operation schedule	Configurable weekly schedules	Vacation mode	Menu in English	Multilanguage menu	Integrated temperature sensor
Weather operating modes (climate curve)	2 heating control zones	Dedicated application	Disinfection	DHW circulation pump operation schedules	Maximum leaving water temperature of 60°C (in DHW mode)	Prepared to create a cascade system	Modbus Protocol

# Specification indoor unit

Model			HES60X1i R14	
EAN Code			5905567602375	
Operation modes			Heating and cooling	
Leaving water temperature	Space cooling	°C	5-25	
	Space heating	°C	25-65	
	DHW (tank)	°C	30-60	
Power supply		V-Hz, Ø	220-240-50, 1f	
Rated input		W	3100	
Operating current		A	13,1	
Sound power level		dB	42	
Electric heater	Power supply	V-Hz, Ø	220-240-50, 1f	
	Number of heating stages	pcs	1	
	Power	kW	3	
	Maximum operating current	A	13,4	
Net dimensions		(W x D x H)	mm	
Gross dimensions		(W x D x H)	mm	
Net weight / Gross weight			kg	
Water circuit	Water connections		inch	R1"
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ø25
	Expansion tank	Total volume	l	8
		Actual volume	l	2,4
		Maximum pressure	MPa	0,3
		Initial pressure	MPa	0,1
	Heat exchanger	Type	PHE / plate heat exchanger	
		Minimum flow	l/min	14,2
	Water pump head		m	9
	Water pump type		DC inverter	
Refrigerant circuit	Liquid / Gas		mm	Ø9,52 / Ø15,9
Power cables: indoor unit		pcs x mm²	3 x 4	
Control cables: indoor unit to outdoor unit		pcs x mm²	2 x 0,75 (shielded cable)	

# Specification outdoor unit

Model			HES40X1o R14	
EAN Code			5905567602337	
Power supply		V-Hz, Ø	220-240-50, 1f	
Heating (A7/W35)	Capacity	kW	4,31	
	Rated input	kW	0,82	
	COP		5,20	
Heating (A7/W45)	Capacity	kW	4,35	
	Rated input	kW	1,14	
	COP		3,80	
Heating (A7/W55)	Capacity	kW	4,47	
	Rated input	kW	1,49	
	COP		2,95	
Cooling (A35/W18)	Capacity	kW	4,53	
	Rated input	kW	0,81	
	EER		5,55	
Cooling (A35/W7)	Capacity	kW	4,68	
	Rated input	kW	1,36	
	EER		3,45	
Seasonal energy efficiency LWT at 35°C	SCOP <sup>(1)</sup>		4,85	
	Rated heat output	kW	5,50	
	Seasonal energy efficiency ratio (η <sub>S</sub> )	%	189	
	Annual energy consumption	kWh	2368	
	Seasonal space heating energy efficiency class <sup>(1)</sup>		A+++	
Seasonal energy efficiency LWT at 55°C	SCOP <sup>(1)</sup>		3,31	
	Rated heat output	kW	4,3	
	Seasonal energy efficiency ratio (η <sub>S</sub> )	%	129,4	
	Annual energy consumption	kWh	2684	
	Seasonal space heating energy efficiency class <sup>(1)</sup>		A++	
SEER	LWT at 7°C		4,74	
	LWT at 18°C		7,38	
Maximum overcurrent protection (MOP)		A	20	
Minimum circuit amps (MCA)		A	12	
Compressor		Type	Twin rotary inverter compressor DC	
Fan	Type		Brushless DC motor / BLDC	
	Quantity		1	
Refrigerant	Type		R32	
	GWP		675	
	Quantity	kg	1,65	
		TCO <sub>eq</sub>	1,11	
Pipe connections	Liquid / Gas		mm	
	Minimum installation length		m	
	Maximum installation length		m	
	Additional amount of refrigerant for over 7,5 linear meters		g/m	
Maximum height difference	Outdoor unit above the indoor unit		m	
	Outdoor unit below the indoor unit		m	
Power cables: outdoor unit		pcs x mm²	3 x 4	
Control cables: indoor unit to outdoor unit		pcs x mm²	2 x 0,75 (shielded cable)	
Bracket spacing		(W1 x D)	mm	
Sound pressure level		dB(A)	44	
Sound power level		dB(A)	56	
Net dimensions		(W x D x H)	mm	
Gross dimensions		(W x D x H)	mm	
Net weight / Gross weight		kg	59,5 / 63	
Operating outdoor temperature	Cooling/ Heating		°C	
	DHW		°C	

(1) Seasonal energy efficiency class measured under average climate conditions.

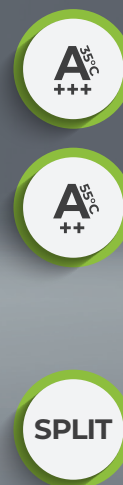
Notes: DHW - Domestic hot water, LWT - Leaving water temperature

The sound pressure level is measured 1m in front of the unit and (1+H)2m (where H is the height of the unit) above the floor in semi-anechoic room. During on-site operation sound pressure levels can be higher as a result of ambient noise. Sound pressure level and sound power level reflect the maximum value tested under three conditions specified respectively in notes A7W35, ΔT=5; A7W45, ΔT=5; A7W55 ΔT=8; relative humidity 85%. The figures specified above refer to the following standards: EN14511; EN14825; EN50564; EN12102; (EU) Np. 811/2013; (EU) No. 813/2013; Journal of Laws 2014 / C 207/02: 2014.

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# Heatmi Split heat pump

HES60X1o<sup>[R14]</sup> / HES60X1i<sup>[R14]</sup>



## Device features

Environmentally friendly refrigerant R32	Efficient heating	Energy efficiency class at 35°C A+++	Energy efficiency class at 55°C A++	Maximum COP 5,01	Operating range down to -25°C	Supply water temperature of 65°C	Smart Grid functionality
Twin rotary compressor	Integrated electric heater	Outdoor unit drip tray heater	Compressor crankcase heater	Indoor unit drip tray	Easy installation and maintenance	Compact indoor split unit housing	Maximum installation length up to 30m
Silent mode	Integrated Wi-Fi module	Daily operation schedule	Configurable weekly schedules	Vacation mode	Menu in English	Multilanguage menu	Integrated temperature sensor
Weather operating modes (climate curve)	2 heating control zones	Dedicated application	Disinfection	DHW circulation pump operation schedules	Maximum leaving water temperature of 60°C (in DHW mode)	Prepared to create a cascade system	Modbus Protocol

# Specification indoor unit

Model			HE560X1i R14	
EAN Code			5905567602375	
Operation modes			Heating and cooling	
Leaving water temperature	Space cooling	°C	5-25	
	Space heating	°C	25-65	
	DHW (tank)	°C	30-60	
Power supply		V-Hz, Ø	220-240-50, 1f	
Rated input		W	3100	
Operating current		A	13,1	
Sound power level		dB	42	
Electric heater	Power supply	V-Hz, Ø	220-240-50, 1f	
	Number of heating stages	pcs	1	
	Power	kW	3	
	Maximum operating current	A	13,4	
Net dimensions		(W x D x H)	mm	
Gross dimensions		(W x D x H)	mm	
Net weight / Gross weight			kg	
Water circuit	Water connections		inch	R1"
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ø25
	Expansion tank	Total volume	l	8
		Actual volume	l	2,4
		Maximum pressure	MPa	0,3
		Initial pressure	MPa	0,1
	Heat exchanger	Type	PHE / plate heat exchanger	
		Minimum flow	l/min	14,2
	Water pump head		m	9
	Water pump type		DC inverter	
Refrigerant circuit		Liquid / Gas	mm	Ø9,52 / Ø15,9
Power cables: indoor unit		pcs × mm²	3 × 4	
Control cables: indoor unit to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)	

# Specification outdoor unit

Model			HE560X1o R14	
EAN Code			5905567602344	
Power supply		V-Hz, Ø	220-240-50, 1f	
Heating (A7/W35)	Capacity	kW	6,27	
	Rated input	kW	1,24	
	COP		5,01	
Heating (A7/W45)	Capacity	kW	6,35	
	Rated input	kW	1,65	
	COP		3,75	
Heating (A7/W55)	Capacity	kW	6,15	
	Rated input	kW	2,00	
	COP		3,00	
Cooling (A35/W18)	Capacity	kW	6,71	
	Rated input	kW	1,34	
	EER		4,90	
Cooling (A35/W7)	Capacity	kW	7,13	
	Rated input	kW	2,33	
	EER		3,00	
Seasonal energy efficiency LWT at 35°C	SCOP <sup>(1)</sup>		4,95	
	Rated heat output	kW	6,8	
	Seasonal energy efficiency ratio (η <sub>S</sub> )	%	194,8	
	Annual energy consumption	kWh	2841	
	Seasonal space heating energy efficiency class <sup>(1)</sup>		A+++	
Seasonal energy efficiency LWT at 55°C	SCOP <sup>(1)</sup>		3,52	
	Rated heat output	kW	5,60	
	Seasonal energy efficiency ratio (η <sub>S</sub> )	%	138,5	
	Annual energy consumption	kWh	3270	
	Seasonal space heating energy efficiency class <sup>(1)</sup>		A++	
SEER	LWT at 7°C		5,07	
	LWT at 18°C		7,80	
Maximum overcurrent protection (MOP)		A	20	
Minimum circuit amps (MCA)		A	14	
Compressor		Type	Twin rotary inverter compressor DC	
Fan	Quantity	Type	Brushless DC motor / BLDC	
		Quantity	1	
Refrigerant	Type	GWP	R32	
			675	
	Quantity	kg	1,65	
		TCO <sub>eq</sub>	1,11	
Pipe connections	Liquid / Gas		mm	Ø9,52 / Ø15,9
	Minimum installation length		m	2
	Maximum installation length		m	30
	Additional amount of refrigerant for over 7,5 linear meters		g/m	38 (L-15)
Maximum height difference	Outdoor unit above the indoor unit		m	20
	Outdoor unit below the indoor unit		m	20
Power cables: outdoor unit		pcs × mm²	3 × 4	
Control cables: indoor unit to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)	
Bracket spacing		(W1 × D)	mm	
Sound pressure level		dB(A)	45	
Sound power level		dB(A)	58	
Net dimensions		(W x D x H)	mm	
Gross dimensions		(W x D x H)	mm	
Net weight / Gross weight		kg	59,5 / 63	
Operating outdoor temperature	Cooling/ Heating		°C	
	DHW		°C	

(1) Seasonal energy efficiency class measured under average climate conditions.

Notes: DHW – Domestic hot water, LWT – Leaving water temperature

The sound pressure level is measured 1m in front of the unit and (1+H)2m (where H is the height of the unit) above the floor in semi-anechoic room. During on-site operation sound pressure levels can be higher as a result of ambient noise. Sound pressure level and sound power level reflect the maximum value tested under three conditions specified respectively in notes A7W35, ΔT=5; A7W45, ΔT=5; A7W55 ΔT=8; relative humidity 85%. The figures specified above refer to the following standards: EN14511; EN14825; EN50564; EN12102; (EU) Np. 811/2013; (EU) No. 813/2013; Journal of Laws 2014 / C 207/02: 2014.

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