

Heatmi Split heat pump

HES100X10^[R14] / HES100X13i^[R14]



- COP 4,80**
- R32 REFRIGERANT**
Environmentally friendly
- 25°C**
- 65°C**
- 5-YEAR WARRANTY**
- CE**
- TUYA SMART**

- A+++**
- A++**
- SPLIT**

Device features

Environmentally friendly refrigerant R32	Efficient heating	Energy efficiency class at 35°C A+++	Energy efficiency class at 55°C A++	Maximum COP 4,80	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			HES100X13i R14	
Kod produktu EAN			5905567602399	
Tryby pracy			Heating and cooling	
Temperatura wody na wyjściu	Chłodzenie pomieszczeń	°C	5-25	
	Ogrzewanie pomieszczeń	°C	25-65	
	CWU (zbiornik)	°C	30-60	
Zasilanie		V-Hz, Ø	380-420-50, 3f	
Pobór mocy		W	9100	
Prąd pracy		A	13,1	
Poziom mocy akustycznej		dB(A)	42	
Grzałka elektryczna	Zasilanie	V-Hz, Ø	380-420-50, 3f	
	Liczba stopni grzewczych	szt.	3	
	Moc	kW	9	
	Maksymalny prąd roboczy	A	13,3	
Wymiary netto		(S × G × W)	mm	
Wymiary brutto		(S × G × W)	mm	
Waga netto / Waga brutto			kg	
Obieg wodny	Przyłącza wody		cal	
	Ciśnienie zaworu bezpieczeństwa		MPa	
	Odpływ skroplin		mm	
	Naczynie zbiorcze	Pojemność całkowita	l	
		Pojemność użytkowa	l	
		Ciśnienie maksymalne	MPa	
		Ciśnienie wstępne	MPa	
	Wymiennik ciepła	Typ	PHE / plate heat exchanger	
		Przepływ minimalny	l/min	14,2
	Wysokość podnoszenia pompy wody		m	9
Typ pompy wody			DC inverter	
Obieg chłodniczy	Ciecz / Gaz	mm	Ø9,52 / Ø15,9	
Przewody zasilające: jednostka wewnętrzna		il. × mm ²	5 × 4	
Przewody sterujące: jednostka wewn. - zewn		il. × mm ²	2 × 0,75 (shielded cable)	

Specification outdoor unit

Model			HES100X1o R14
EAN Code			5905567602368
Power supply		V-Hz, Ø	220-240-50, 1f
Heating (A7/W35)	Capacity	kW	9,50
	Rated input	kW	1,98
	COP		4,80
Heating (A7/W45)	Capacity	kW	9,50
	Rated input	kW	2,60
	COP		3,65
Heating (A7/W55)	Capacity	kW	9,00
	Rated input	kW	3,00
	COP		3,00
Cooling (A35/W18)	Capacity	kW	9,50
	Rated input	kW	2,07
	EER		4,60
Cooling (A35/W7)	Capacity	kW	8,00
	Rated input	kW	2,53
	EER		3,16
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾		4,87
	Rated heat output	kW	9,0
	Seasonal energy efficiency ratio (η _s)	%	191,7
	Annual energy consumption	kWh	3791
	Seasonal space heating energy efficiency class ⁽¹⁾		A+++
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾		3,41
	Rated heat output	kW	8,00
	Seasonal energy efficiency ratio (η _s)	%	133,4
	Annual energy consumption	kWh	4895
	Seasonal space heating energy efficiency class ⁽¹⁾		A++
SEER	LWT at 7°C		5,68
	LWT at 18°C		8,34
Maximum overcurrent protection (MOP)		A	20
Minimum circuit amps (MCA)		A	17
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 _{eq}	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 × mm ²	3 × 4
Control cables: indoor unit to outdoor unit		pcs × mm ²	2 × 0,75 (shielded cable)
Bracket spacing		(W1 × D)	mm
Sound pressure level		dB(A)	50
Sound power level		dB(A)	61
Net dimensions		(W × D × H)	mm
Gross dimensions		(W × D × H)	mm
Net weight / Gross weight		kg	59,5 / 63
Operating outdoor temperature	Cooling/ Heating	°C	-5-43 / -25-35
	DHW	°C	-25-43

(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.