



HP SERIES

HEAT PUMP MONOBLOC



- R290 refrigerant.
- High efficiency A+++ energy level.
- Full DC inverter technology.
- Noise reduction technology.
- Stable running at -25 °C ambient temperature.
- Smart control family.



INVERTER
TECHNOLOGY



SMART
CONTROL



INTELLIGENT
DEFROSTING

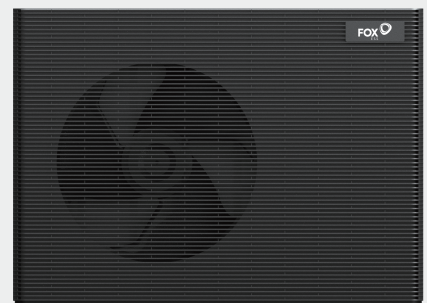


USER FRIENDLY
DISPLAY

The HP Series Monobloc Heat Pump offers A+++ energy efficiency with R290 refrigerant and features full DC inverter technology, noise reduction, and intelligent defrosting. It operates reliably in ambient temperatures ranging from -25°C to 45°C. The system can achieve a maximum water temperature of 75°C. Additionally, it includes smart control capabilities, a user-friendly display, and is managed via an app and web platform for advanced system control.



For more information about the Fox ESS range, visit:
www.fox-ess.com



TECHNICAL SPECIFICATIONS

MODEL		HP3-8-E	HP3-10-E	HP3-12-E	HP1-8-E	HP1-10-E	HP1-12-E
Power Supply		380-415/3/50			220-240/1/50		
Heating A7W35	Capacity [kW]	8.00	10.00	12.00	8.00	10.00	12.00
	Rated input [kW]	1.60	2.04	2.73	1.60	2.04	2.73
	COP	5.00	4.90	4.40	5.00	4.90	4.40
Heating A7W55	Capacity [kW]	8.00	10.00	12.00	8.00	10.00	12.00
	Rated input [kW]	2.56	3.31	4.26	2.56	3.31	4.26
	COP	3.13	3.02	2.82	3.13	3.02	2.82
Cooling A35W7	Capacity [kW]	8.00	9.00	10.00	8.00	9.00	10.00
	Rated input [kW]	3.20	3.67	3.92	3.20	3.67	3.92
	COP	2.50	2.45	2.55	2.50	2.45	2.55
Cooling A35W18	Capacity [kW]	8.0	9.00	10.00	8.00	9.00	10.00
	Rated input [kW]	2.11	2.43	2.78	2.11	2.43	2.78
	COP	3.79	3.70	3.60	3.79	3.70	3.60
SCOP	LWT at 35°C	5.15	4.93	4.56	5.15	4.93	4.56
	LWT at 55°C	3.94	3.85	3.58	3.94	3.85	3.58
Seasonal space heating energy efficiency class	LWT at 35°C	A+++	A+++	A+++	A+++	A+++	A+++
	LWT at 55°C	A+++	A+++	A++	A+++	A+++	A++

BASIC PARAMETERS

Compressor	Type	Twin rotary DC inverter					
Outdoor fan	Motor type	Brushless DC motor					
	Number of fans	1					
Throttle type		Electronic expansion valve					
Air side heat exchanger	Type	Finned tube					
Water side heat exchanger	Type	Plate type					
Refrigerant	Type	R290					
	Factory charge [kg]	1.5					
Sound power Level	[dB]	49	50	52	49	50	52
Sound pressure level at 1m	[dB]	42	43	45	42	43	45

SIZING GUIDE

Net dimensions (W*H*D) [mm]		1285*950*430					
Packing dimensions (W*H*D) [mm]		1400*1050*530					
Net weight [kg]		180	180	180	165	165	165
Gross weight [kg]		200	200	200	185	185	185
Piping connections		G 1"					
Operation range	Cooling [°C]	5 ~ 50					
	Heating [°C]	-25 ~ 45					
	DWH [°C]	-25 ~ 45					
Water outlet	Cooling [°C]	5 ~ 25					
	Heating [°C]	18 ~ 75					
	DWH [°C]	18 ~ 75					

Note:

1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013.
2. Seasonal space heating energy efficiency class tests in average climate conditions.
3. Sound power test condition EN12102-1.
4. Sound pressure level is the maximum value tested under the condition of A7W35.

- Abbreviations:
1. DWH: Domestic hot water
 2. LWT: Leaving water temperature