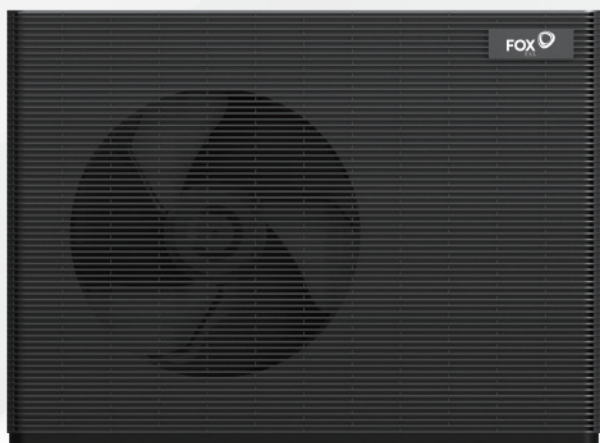




# HP SERIES

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

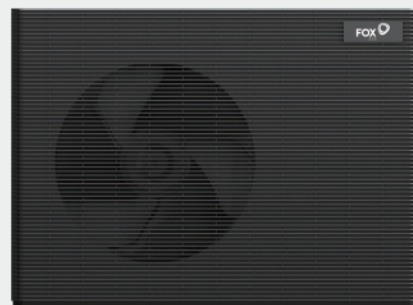


INTELLIGENT  
DEFROSTING



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](http://www.fox-ess.com)

## TECHNICAL SPECIFICATIONS

MODEL		HP3-8-E	HP3-10-E	HP3-12-E	HP1-5-E	HP1-8-E	HP1-10-E	HP1-12-E
Power Supply		380-415V 3N-50Hz			220-240V ~50Hz			
Heating A7W35	Capacity [kW]	8.00	10.00	12.00	5.00	8.00	10.00	12.00
	Rated input [kW]	1.60	2.04	2.73	1.00	1.60	2.04	2.73
	COP	5.00	4.90	4.40	5.00	5.00	4.90	4.40
Heating A7W55	Capacity [kW]	8.00	10.00	12.00	5.00	8.00	10.00	12.00
	Rated input [kW]	2.56	3.31	4.26	1.54	2.56	3.31	4.26
	COP	3.13	3.02	2.82	3.25	3.13	3.02	2.82
Cooling A35W7	Capacity [kW]	8.00	9.00	10.00	5.00	8.00	9.00	10.00
	Rated input [kW]	2.66	3.11	3.56	1.56	2.66	3.11	3.56
	COP	3.01	2.89	2.81	3.20	3.01	2.89	2.81
Cooling A35W18	Capacity [kW]	8.00	9.00	10.00	5.00	8.00	9.00	10.00
	Rated input [kW]	1.76	2.06	2.34	1.02	1.76	2.06	2.34
	COP	4.54	4.37	4.27	4.90	4.54	4.37	4.27
SCOP	LWT at 35°C	5.15	4.93	4.56	4.84	5.15	4.93	4.56
	LWT at 55°C	3.94	3.85	3.58	3.85	3.94	3.85	3.58
Seasonal space heating energy efficiency class	LWT at 35°C	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	LWT at 55°C	A+++	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	1.5	1.5	0.9	1.5	1.5	1.5
Sound power Level	[dB]	49	50	52	49	49	50	52
Sound pressure level at 1m	[dB]	42	43	45	42	42	43	45

### SIZING GUIDE

Net dimensions (W*H*D) [mm]		1291*945*430						
Packing dimensions (W*H*D) [mm]		1350*1165*520						
Net weight [kg]		180	180	180	130	165	165	165
Gross weight [kg]		200	200	200	150	185	185	185
Piping connections		G 1"						
Operation range	Cooling [°C]	5 ~ 50						
	Heating [°C]	-25 ~ 45						
	DHW [°C]	-25 ~ 45						
Water outlet	Cooling [°C]	5 ~ 25						
	Heating [°C]	18 ~ 75						
	DHW [°C]	18 ~ 75						

#### Abbreviations:

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

#### Note:

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