



# HP BOX SERIES

HYDRO BOX



## ALL-IN-ONE

All components integrated in one box.



## EASY INSTALLATION

Easy to connect water pipes.



## SAFETY

Integrated dirt filter, pressure relief valve, filling section.



## INTELLIGENT

SG Ready function. Operating data can be transmitted to Fox ESS Cloud via Wi-Fi or LAN.

The Hydro box accommodates "All-in-one" design philosophy integrating colorful touch display, electric heater, buffer tank, expansion vessel, DHW circuit, heating direct circuit and heating mixing circuit into one standard container for standardized manufacturing and simpler installation.



For more information about the Fox ESS range, visit:  
[www.fox-ess.com](http://www.fox-ess.com)



## TECHNICAL SPECIFICATIONS

MODEL		HP3 Box-E-WL	HP1 Box-E-WL
Power supply		380-415V 3N~50Hz	220-240V ~ 50Hz
Rated input [W]		9510	3510
Rated Current [A]		14.5	16.1
Dimensions (W*H*D) [mm]		650*1700*560	650*1700*560
Packing (W*H*D) [mm]		750*1800*660	750*1800*660
Electric heater [kW]		9	3
Internal water volume [L]		55	55
Monitoring module		WiFi, LAN	WiFi, LAN
Communication Port		RS485	RS485
Display		Wired controller, App, Website	Wired controller, App, Website
Rated water pressure	Heating/cooling circuit [g]	0.3MPa	0.3MPa
	Domestic hot water [g]	1.0MPa	1.0MPa
Pump for outdoor unit	Type	DC inverter	DC inverter
	Max. head [m]	9	9
	Power input [W]	2 ~ 90	2 ~ 90
Pump for Zone1	Type	AC	AC
	Head [m]	9	9
	Power input [W]	90	90
Expansion vessel for heating/cooling circuit	Volume [L]	24	24
	Max. operating pressure [g]	0.3MPa	0.3MPa
	Pre-charge pressure [g]	0.15MPa	0.15MPa
Expansion vessel for domestic hot water	Volume [L]	8	8
	Max. operating pressure [g]	1.0MPa	1.0MPa
	Pre-charge pressure [g]	0.4MPa	0.4MPa
Buffer tank	Volume [L]	50	50
	Max. operating pressure [g]	0.3MPa	0.3MPa
	Drain connection	G 3/4"	G 3/4"
Weight	Net weight [kg]	145	145
	Gross weight [kg]	171	171
Connections	Heating flow from outdoor unit	G 1"	G 1"
	Heating return to outdoor unit	G 1"	G 1"
	Flow to heating circuit 1	G 1"	G 1"
	Return from heating circuit 1	G 1"	G 1"
	Flow to pump group of heating circuit 2	G 1"	G 1"
	Return from pump group of heating circuit 2	G 1"	G 1"
	Flow to DHW tank	G 1"	G 1"
	Return from DHW tank	G 1"	G 1"
	Water filling pipe to DHW tank	G 3/4"	G 3/4"
	Tap water	G 3/4"	G 3/4"
Operation range	Ambient temperature [°C]	5 ~ 45	5 ~ 45
	Heating/cooling water pressure [g]	0.1 ~ 0.3MPa	0.1 ~ 0.3MPa
	Domestic hot water pressure [g]	0.1 ~ 1.0MPa	0.1 ~ 1.0MPa