

Model					
HEAT PUMP PERFORMANCES		AE03-100	AE03-150	KK06-200	KK06-300
Volume	L	100	150	200	300
Rated Heating Capacity*	kW	0.9	0.9	1.5	1.5
Heating Time*	H	5.17	7.75	6.2	8.37
Refrigerant	/	R290(150g)	R290(150g)	R290 (150g)	R290 (150g)
Electric Heater	kW	1.5	1.5	1.5	1.5
Sound Pressure Level at 1m	dB(A)	37	37.2	38.1	38.1
Sound Power Level	dB(A)	51.5	52.4	53.4	53.8
Max. Water Outlet Temp.	°C	75	75	75	75
Operation Range	°C	-5 ~ 43	- 5 ~ 43	-5 ~ 43	-5 ~ 43
Water Outlet Temp. Range**	°C	38~65	38~65	38~65	38~65
NORMATIVES DATA(EN16147)					
Energy Efficiency Class	/	A+	A+	A++	A++
Tapping Cycle	/	M	L	L	XL
COP(Exterior Air +7°C/14°C)	/	2.63/2.76	2.78/2.87	3.30/3.68	3.41/3.91
Water Heating Energy Efficency	/	110.8%	115.70%	138.6%	142.2%
AEC(Exterior Air +7°C/14°C)	kWh	463/437	885/859	738/657	1178/1030
V40	L	153	205	278	376
TANK					
Material	/	Enamel	Enamel	Enamel/ Stainless steel	Enamel/ Stainless steel
Max. Inner Solar Coil(Optional)	m²	/	/	/	1.0
CONNECTIONS AND DIMENSIONS					
Power Supply	V/Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz
Gross Weight/Net Weight	kg	79/68	84/71	113/96	129/112
Net Dimension(L/W/H)	mm	560×560×1127	560×560×1430	640×640×1600	640×640×1905
Shipping Dimension(L/W/H)	mm	625×625×1250	625×625×1580	720×720×1760	720×720×2070
Qty Per 20ft/40ft	pcs	108 (40HQ)	27/54	24/48	24/48

*Testing condition is ambient temp DB/WB 20°C /15°C, water inlet/outlet is 15°C /55°C
**Heat pump only



airExpert - R290

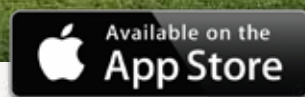
Heat Pump Water Heater

SG
Ready



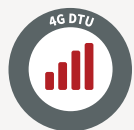


Hitemp



PHNIX provides two ways to let you get control of your heat pumps

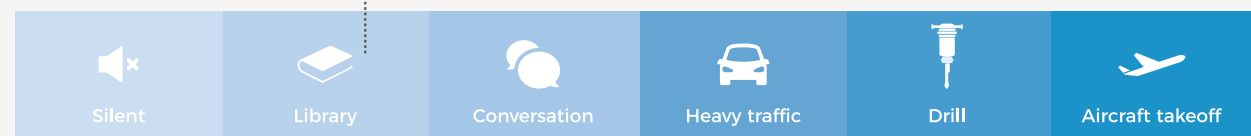
- Apps for Apple® and Android™ smartphones and tablets.
- Webpage works on virtually any other smart device including PC.



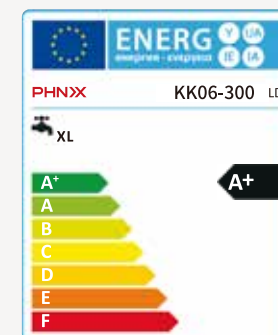
Stable Silent Operation

PHNIX R&D Center has optimized the noise control solution time and again by conducting countless noise experiments on the airExpert R290 series, whose noise is as low as 37 dB(A), ensuring a peaceful home environment.

37 dB(A)



0 dB 20 dB(A) 40 dB(A) 60 dB(A) 80 dB(A) 100 dB(A) 120 dB(A)



High COP

To be in line with the IEC Standard and ensure the security of applying R290 refrigerant, the airExpert R290 Series uses only 150g R290, which can also achieve a high COP up to 3.91 at 14°C.

Color Touch Screen

The airExpert R290 series comes equipped with a color touch screen controller. The clear UI not only allows the user to freely set the water temperature and the running mode but also to check the temperature curve to know about the unit's working condition at any time.



R290 Refrigerant

R290 has a zero ODP value, which means that there is no negative impact on the ozone layer, and an extremely low GWP value, which indicates a minimal impact on the global-warming effect. This makes propane an environmentally friendly refrigerant, at the same time maintaining good working parameters in heat pump units.

Micro-Channel Heat Coil

The high-density micro-channel heat coils with multi-flow allow the refrigerant and the surface of the enamel water tank to have a large-area heat exchange, which highly improves the heat transfer efficiency.

