

# Heatwell

■ *Just feel well*

## TDF 300/3.5

### 300L ducted water heater

- Refrigerant: R134a
- Water output temperature: 38 to 60°C
- Intelligent functionality mode: economy or electric
- Automatic mode
- Ready to install
- Travel mode



#### PRODUCT ADVANTAGES

- > Automatic, weekly, anti-legionella function.
- > Multiple safeguards: pressure valve, double safeguard against rises in temperature (manual / automatic).
- > No contamination risk: the condenser coil is outside the tank.
- > Easy for the heating engineer to install: closed refrigeration circuit - no intervention required.
- > Anode and enamel or stainless provide anti-scale and anti-corrosion protection.
- > Large LCD screen for ease of use.
- > Air outlet delivering 15 Pa pressure: option for up to 5 m of duct.
- > 4-way valve: automatic defrosting.

## TDF 300/3.5

### 300L ducted water heater



Model		HWHM-TDF300/3.5-H31	
Stainless steel		Code 7HP030001	
Enamel		Code 7HP030003	
Operating system		Economy (heat pump only)	Electric only
Operating temperature		°C -7~43	-20~45
Water output temperature		°C Standard: 55°C.38°C-60°C	
Power		Ph, V, Hz 1. 220-240-. 50	
Water tank capacity		Ltr 300	
Water heating	Capacity	kW 3	3
	COP	3.6	1
	Max. setting	A 6.5	13
Appliance	Dimensions (DxH)	mm Ø 650x1920	
	Packaging dimensions (WxDxH)	mm 750x2150x780	
	Net weight/package weight	kg 117/144	
Sound pressure		dB(A) 48	
Sound level		dB(A) 60	
Type/quantity of refrigerant		kg R134a/1.2	
Pressure of refrigerant		MPa 3.0/1.2	
Throttle valve		Electric expansion valve	
Protection system		TCO. ATCO. PT valve. automatic defrost. surge protector etc.	
Air flow		m³/h 414/355/312	
<b>COMPRESSOR</b>			
Model		RB233GRDC	
TYPE		Rotary	
Brand		Mitsubishi	
Capacity		kW 9502/11447	
Power		kW 0.895/1.095	
Rated current (RLA)		A 4.1/5.0	
Rotor locking		A 30	
Thermal protection		UP3QE0594-T56 (Internal)	
Capacitor		30µF/440-450V	
Refrigeration oil		ml 440	
<b>EVAPORATOR</b>			
Number of lines		3	
Vertical distance between the tubes x distance between each line		mm 22x19.05	
Spacing of fins		mm 1.6	
Type of fin		Hydrophilic aluminium	
Diameter and type of external tube		mm Ø 7.94 Grooved copper tube	
battery width x length		mm 482x352	
Number of circuits		4	
<b>VENTILATOR</b>			
Model		YDK30-6R	
Brand		Welling	
Power		W 68/56/50	
Speed		r/min 620/530/465	
Rotor locking		A 0.35	
Capacitor		2.5µF/450V	
<b>WATER PIPES</b>			
Water inlet pipe		DN20	
Diameter of outlet		DN20	
Drainage pipe		DN20	
Pressure valve		DN20	
Max. operating pressure		MPa 1	
Exchanger		Tubes and fins	
Electrical resistance		kW 3.00x1	
Hot water output		m³/h 0.086	

Test conditions: outdoor temperature of 15/12°C (dry bulb / wet bulb) input water temperature 15°C, output water temperature 45°C.  
Test conditions for sound pressure levels: 4 sides of the unit, 1 m distance.  
Specifications are subject to modification to improve the product. Please see the product identification plate.