

NEW PRODUCT

# DAVEY Heat Pump



SUPER QUIET  
EASY TO USE  
WIFI ENABLED  
& EFFICIENT

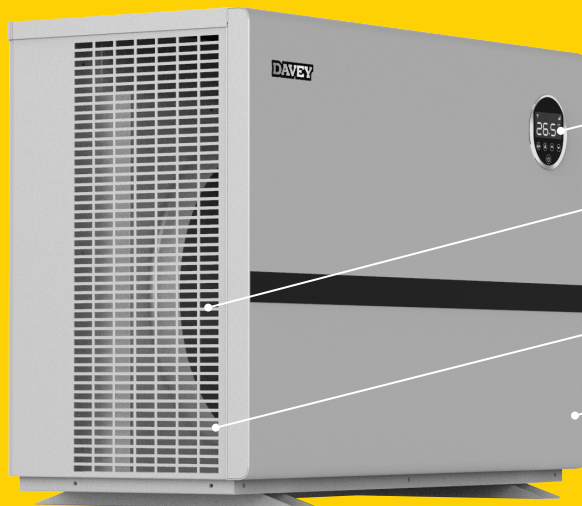
## APPLICATION

Ideal for in-ground and above ground swimming pools, spas, swim spas and plunge pools.

## FEATURES & BENEFITS

- Simple touch controller
- WiFi integrated allowing control from an iOS or Android smartphone
- Super quiet operation, rated down to 40dBa
- Industry leading efficiency
- Operates in ambient temperatures down to -10°C
- Reverse cycle defrosting
- Ability to connect and control water pump
- Selectable running modes
- Stepless DC inverter allowing full variable speed for increased efficiency and quiet operation
- DC brushless fan motor
- Electronic expansion valve technology for very precise refrigerant gas flow control

# DAVEY Heat Pump



- Soft start technology to reduce inrush current
- Mitsubishi DC twin-rotary compressor  
Utilises R32 gas
- Twisted titanium heat exchange for efficiency
- Aluminium alloy casing

Model	DHP90	DHP130	DHP170	DHP210	DHP280	DHP3503
<b>PERFORMANCE DATA</b>						
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%						
Heating capacity (kW)	9	13	17.5	21	28	35.2
COP range	14.0~7.2	14.5~7.0	15.6~7.0	14.8~7.1	16.0~7.2	15.5~7.0
Average COP at 50% speed	10.5	10.5	11	11	11.1	10.5
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%						
Heating capacity (kW)	6.6	9	12.5	14.5	19	24.2
COP range	7.5~4.8	7.5~5.0	7.7~5.0	7.1~5.0	8.0~5.0	7.5~5.0
Average COP at 50% speed	6.5	6.4	6.6	6.6	6.6	6.6
<b>TECHNICAL SPECIFICATIONS</b>						
Advised pool volume (m <sup>3</sup> ) *	20~45	35~65	40~80	50~95	60~120	85~160
Operating air temperature (°C)	-10°C~43°C					
Compressor	Twin-rotary Mitsubishi DC Compressor					
Casing	Aluminum-alloy Casing					
Heat exchanger	Twisted Titanium Heat Exchanger					
Power supply	230V 1Ph					400V 3Ph
Rated input power (kW)	0.19~1.38	0.26~1.80	0.33~2.50	0.38~2.90	0.49~3.80	0.65~4.84
Input power at 50% speed (kW)	0.51	0.7	0.95	1.1	1.44	1.84
Rated input current (A)	0.83~5.98	1.13~7.83	1.44~10.90	1.66~12.7	2.15~16.53	0.95~7.01
Sound level at 1m dB(A)	36.8~46.2	40.1~48.7	41.1~51.8	38.9~52.2	41.5~52.9	40.6~52.6
Sound level 50% at 1m dB(A)	39.4	43.7	44.5	44.4	46.4	46.1
Sound level at 10m dB(A)	16.8~26.1	20.1~28.7	21.1~31.8	18.9~32.2	21.5~32.9	20.6~32.6
Advised water flow (m <sup>3</sup> /h)	2~4	4~6	6~8	8~10	10~12	12~18
Water connection (mm)	40					
Gas weight (g)	650	800	1000	1200	2000	2700
<b>POWER REQUIREMENTS</b>						
Breaker Rated Current (A)	10.5	14.5	18	21	24	12
Breaker Rated Residual Action Current (mA)	30					
Fuse (A)	10.5	14.5	18	21	24	12
Power Cord (mm <sup>2</sup> )	3 x 2.5	3 x 2.5	3 x 4	3 x 4	3X6	5X2.5
Signal cable (mm <sup>2</sup> )	3x0.5					
<b>DIMENSIONS</b>						
Length (mm)	890		1060			1314
Width (mm)	430			512		
Height (mm)	657				957	
Net Weight (kg)	53	57	66	72	91	135

\*Advised pool volume is a guide only



[daveywater.com](http://daveywater.com)

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**DAVEY**