

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

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
PERFORMANCE DATA						
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
TECHNICAL SPECIFICATIONS						
Advised pool volume (m ³) *	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 ³ /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
POWER REQUIREMENTS						
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 ²)	3 x 2.5	3 x 2.5	3 x 4	3 x 4	3X6	5X2.5
Signal cable (mm ²)	3x0.5					
DIMENSIONS						
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

This literature is not a complete guide to product usage. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. Must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice. © Davey is a registered trademark of Davey Water Products Pty Ltd. © Davey Water Products Pty Ltd 2021.

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