ACCENT AIR





THE ACCENT RANGE





North Sydney Olympic

Swimming Pool

recognised as expert in the field of high efficiency electric Heat Pumps for hot water and pool heating applications. Accent is the preferred Heat Pump manufacturer to the aquatic industry in Australia with large scale projects for indoor and outdoor Olympic pool venues around Australia and overseas. The company's expertise is reflected in the extensive and diverse range of Heat Pumps it brings to the market.

Part of the Rheem Australia Group, Accent Air is internationally

Accent Commercial Heat Pumps are designed with the commercial user in mind. With a capacity of up to 250kW for Air-to-Water models and up to 375kW for Water-to-Water models Accent is able to meet your every need.

The Accent range of Heat Pumps includes Air-to-Water, Ground-Sourced and Water-to-Water models. These Heat Pumps are used in a variety of applications including Hot Water, Pool Heating, pool chilling and mechanical heating and cooling.

Air-to-Water Heat Pumps:

The Accent Heat Pump transfers heat from air, providing the advantages of a solar heater without the need for direct solar gain to a collector. While the rate of transfer is highest on warm days, heat gain is even made in sub zero temperatures or overnight providing the potential for year round heating.

Ground-Sourced Heat Pumps:

The ground absorbs nearly half the thermal energy reaching the earth from the sun. The Accent Heat Pump can harness this energy for both heating and cooling by a ground loop. As the ground remains at a relatively constant temperature, the Heat Pump operates at stable high efficiency.

Water-to-Water Heat Pumps:

constant heat source. Water sources can vary from ground water to lakes, streams and even the ocean. The Water-to-Water unit is compact, quiet and harnesses nature's energy for hot water and swimming pool heating.

manufacturer of commercial Heat Pumps, it retains the ability to custom manufacture to project specific design criteria, ensuring that maximum heating performance and control is provided to the building or pool owner. A broad range of design options are available in Heat Pump design as well as the selection of components, such as the use of copper or titanium heat exchangers and in unit casing material.

Design options include;

Heating Only Units:

The heating only Heat Pump provides high efficiency water heating, giving maximum operating cost reduction and reliability.

Indoor Swimming Pool

Heating & Cooling:

The reverse cycle Heat Pump provides water heating and cooling. This unique ability is often used at resorts in tropical locations for maintaining pool water at a comfortable swimming temperature. It is also used in homes to provide space heating and cooling.

Twin Heat Exchanger:

The twin heat exchanger model provides automated heating between two separate tasks from the single unit. Most commonly, this approach provides efficient split temperature heating between pool and spa.

Plunge Pool:

The Accent Heat Pump can uniquely provide cooling to one application while rejecting heat to another. This is most commonly used for resorts, day spas and sports training centres to provide hot and cold plunge pools.

Chillers:

As a chiller, the unit provides cold water for applications as diverse as pond temperature maintenance for aquaculture through to chilled water coils for air conditioning systems.

Heat Recovery:

Refrigerant heat recovery or desuperheating is available in Accent Heat Pump design to provide hot water up to 75°C for a secondary application. Accent heat recovery units are also available for direct connection to refrigeration plant, ranging from air conditioning units to large scale central plant.

Holiday Inn Resort: Baruna Bali

High Efficiency:

Coefficient of Performance (COP) varies depending on ambient air conditions. Accent's hot water Heat Pumps average a COP of over 4 which means more than 75% of the energy used to produce hot water is free from the atmosphere. Accent's Pool Heat Pumps have an average summer COP of 5 up to a maximum COP of 6.

Accent Back-Up:

Accent products are supported by an Australian based technical support team ensuring correct sizing, specification and installation. Accent trades with the world through an international network of distributors and dealers. Accent distributors are commercial project specialists providing a comprehensive package of technical support, product, installation and after sales service for their local industry.

North Sydney Olympic Swimmir

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PERFORMANCE

TYPICAL INSTALLATION

Air-to-Water Heat Pumps

Accent has only selected the world's best components for its Heat Pumps including; Copeland Scroll Compressors and Ziehl fans. The superior scroll compressor technology of Copeland is employed to provide a quieter unit with the reliability and efficiency expected in a commercial product. Every Accent Air-to-Water Heat Pump has a minimum of two Ziehl propeller fans ensuring both redundancy and one of the quietest commercial Heat Pumps on the market

The entire evaporator coil is epoxy coated to provide long lasting protection from corrosive atmospheres. The evaporator incorporates rifle bore copper tubes, which increase heat transfer by up to 20% over smooth bore tubing. Slit aluminium fins provide even greater transfer of heat from the air to the refrigerant.

Heat exchanger options include doublewall (vented) tube in tube /coaxial and double wall stainless steel flat plate heat exchangers. Water and refrigerant circulate in separate tubes with an air gap providing a safety mechanism preventing any potential cross contamination of refrigerant into potable water.

Accent pool Heat Pumps use coaxial titanium tube-in-tube heat exchangers with a polyethylene outercase, with the breakthrough twisted titanium maximising heating performance and efficiency.

Accent offer a 10 year warranty on Titanium heat exchangers*.

Options:

Accent commercial Heat Pumps are available with a range of options including:

Specialist Treatments for Corrosive Environments:

Heat Pumps are often installed in highly corrosive environments. These may be outdoor locations close to crashing surf or situations where road or air-bourne industrial pollutants are an issue. Plant rooms can also be subject to chemical discharge to air in certain circumstances.

Anti-Corrosion Evaporator Treatments

The standard coil is epoxy coated.

This process can be repeated to be provided with a double dipped coil.

Premium anti-corrosion treatment is also available.

Copper fins on Copper Coil

In corrosive environments the aluminium fins will show the first sign of corrosion to the evaporator. The use of copper fins provides the ultimate protection.

Marine Grade Aluminium, stainless steel or zinc annealed powder coated cabinets are available.

Anti-corrosive painting of fan motors and blades – provides important corrosion protection from harsh environments.

Specialist Treatments for Noise Sensitive Environments:

Accent offers various options in fan selection making the unit the quietest Heat Pump available.

Fan upgrade: the use of larger blade fans at lower speed or centrifugal fans will reduce noise.

Acoustic Treatments: acoustic options such as compressor jacket, acoustic lining and acoustic hood are available.

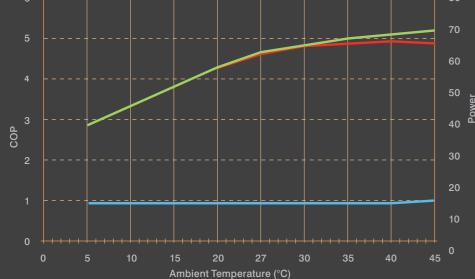
Horizontal discharge design or remote discharge fans are available on models up to 100kW output. Horizontal discharge models can be stacked two high to reduce plant foot print or enable installation in low head height building overhang areas.

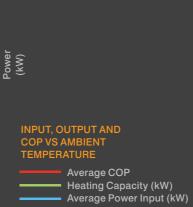
Units can also be made to connect to ducting for internal installations by the use of high static fans. Ducted models are designed to discharge the cold air outside of the plant room.

All Weather Performance:

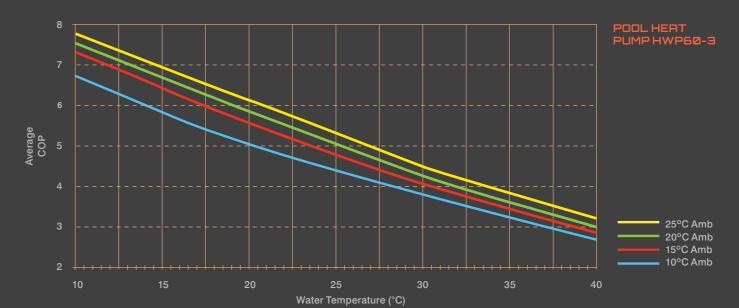
Automatic defrost is standard on every Accent Air-to-Water Heat Pump. Accent's advanced de-ice control allows the Heat Pump to continue performing in low ambient temperature conditions. Hot gas bypass or full reverse cycle de-ice is standard.

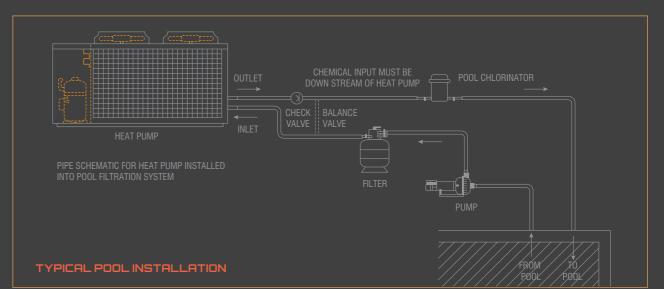


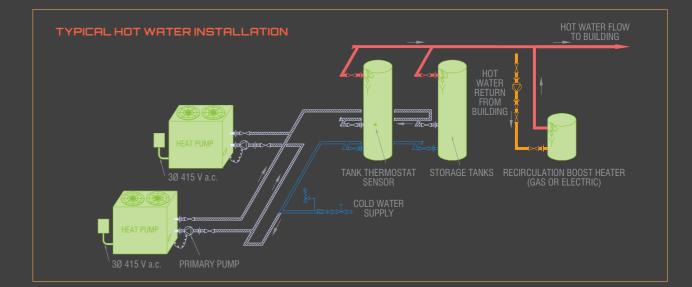




Conditions apply. Refer to the warranty statement.







ACCENT HOT WATER HEAT PUMP

TECHNICAL AIR-TO-WATER

MODEL	HW20-3		HW2	5-3	HW3	0-3	HW3	8-3	HW5	0-3	HW60-3	
ELECTRICAL INPUT	Three P	hase	Three Phase		Three Phase							
Voltage	380-415 Volts / 50 Hz		380-415 Volts / 50 Hz		380-415 Vo	lts/50 Hz	380-415 Volts / 50 Hz		380-415 Volts / 50 Hz		380-415 Volts / 50 Hz	
Amps Per Phase	12.0 Amps		12.0 Amps		20.0 Amps		20.0 Amps		25.0 Amps		30.0 Amps	
Min. Circuit Size	20.0 Ar	nps	20.0 Amps		25.0 Amps		25.0 Amps		40.0 Amps		63.0 Amps	
Refrigerant	R407	'C	R407C									
Nominal Heating capacity	20.49	kW	21.4 kW		25.3 kW		33.7 kW		44.8 kW		58.4 kW	
Power input	5.0 k	W	5.2 kW		6.1 kW		7.6 k	W	10.3	kW	13.4 kW	
СОР	4.1		4.11		4.15		4.44		4.35		4.36	
Noise Level	59 dB(A)	@ 3 m	59 dB(A)	@ 3 m	60 dB(A)	@ 3 m	62 dB(A)	@ 3 m	69 dB(A)	@ 3 m	69 dB(A)	@ 3 m
TECHNICAL DATA												
	Compressor	Fan										
Make	Copeland	Ziehl										
Туре	Scroll	Propeller										
Number Per Unit	1	2	1	2	1	2	1	2	1	2	1	2
FLA (Full Load Amp)	10.0 Amps (Each)	0.64 Amps (Each)	10.0 Amps (Each)	0.64 Amps (Each)	16.4 Amps (Each)	0.84 Amps (Each)	16.4 Amps (Each)	0.84 Amps (Each)	19.6 Amps (Each)	0.89 Amps (Each)	27.2 Amps (Each)	0.89 Amps (Each)
Voltage / Phase	415 / 3	240 / 1	415/3	240 / 1	415/3	240 / 1	415/3	240 / 1	415/3	240 / 1	415/3	415/3
Pole/RPM	2/2,900	6/890	2/2,900	6/890	2/2,900	6/890	2/2,900	6/890	2/2,900	6/890	2/2,900	6/890
Air Flow	N/A	1600 L/s	N/A	1600 L/s	N/A	2000 L/s	N/A	2300 L/s	N/A	4500 L/s	N/A	4700 L/s
HEAT EXCHANGER (Wate	r Side)											
Type of Water Tube	Сорр	er	Copper		Copper		Сорр	er	Сорр	er	Сорр	er
Design	Co-Ax	tial	Co-Axial		Co-Axial		Co-A	xial	Co-A	xial	Co-Axial	
Flow Rate Excl. By Pass	0.8 L	/s	1.0 L	/s	1.6 L/s		1.5 L	./s	1.8 L/s		2.4 L/s	
Max. Outlet Water Temp	61°0)	61°	С	61°C		61°C		61°C		61°C	
Design Pressure Drop	80 kF	Pa	80 ki	Pa	80 kl	Pa	80 kPa		80 kPa		80 kPa	
Max. Operating Pres.	2,450	kPa	2,450	kPa	2,450 kPa		2,450 kPa		2,450 kPa		2,450 kPa	
GENERAL INFORMATION												
Water Connections	32mm Copper		32mm Copper		32mm Copper		50mm Copper		50mm Copper		50mm Copper	
Drain	20mm PVC		20mm PVC		20mm PVC		20mm PVC		20mm Aluminium		20mm Aluminium	
Defrost	Automatic Hot Gas Injection											
Cabinet Construction	1.2mm Stucco Aluminium Marine Grade											
Approx. shipping weight	100 kg		120	120 kg 120 kg		170 kg		230 kg		300 kg		
Size L x W x H	1150mm x x 980r		1150mm x x 980r		1750mm x x 825i		1750mm x 800mm x 825mm		1750mm x 800mm x 1015mm		1750mm x 800mm x 1215mm	

Materials and data subject to change wit	nout notice due to ongoing	product improvements.

MIUDEL	nwou-s		HW100-3		HW 150-5		ΠW2UU-3		ΠW20U-8		
ELECTRICAL INPUT	Three Phase		Three F	Phase	Three Phase		Three Phase		Three Phase		
Voltage	380-415 Volts / 50 Hz		380-415 Volts / 50 Hz		380-415 Volts / 50 Hz		380-415 Volts / 50 Hz		380-415 Volts / 50 Hz		
Amps Per Phase	38.0 Amps		45.0 Amps		58.0 Amps		130 Amps		130 Amps		
Min. Circuit Size	63.0 Amps		63.0 Amps		80.0 Amps		150 Amps		150 Amps		
Refrigerant	R40	7C	R407C		R407C		R407C		R407C		
Nominal Heating capacity	67.3	kW	89.6 kW		133.4 kW		200 kW		258 kW		
Power input	15.2	kW	20.5 kW		30.8 kW		66 kW		73.5 kW		
COP	4.4	3	4.37		4.3	4.33		3.00		10	
Noise Level	68 dB(A)	@ 3 m	69 dB(A)	@ 3 m	72 dB(A)	@ 3 m	73 dB(A) @ 3 m		73 dB(A) @ 3 m		
TECHNICAL DATA											
	Compressor	Fan	Compressor	Fan	Compressor	Fan	Compressor	Fan	Compressor	Fan	
Make	Copeland	Ziehl	Copeland	Ziehl	Copeland	Ziehl	Copeland	Ziehl	Copeland	Ziehl	
Туре	Scroll	Propeller	Scroll	Propeller	Scroll	Propeller	Scroll	Propeller	Scroll	Propeller	
Number Per Unit	2	4	2	4	3	6	4	8	4	8	
FLA (Full Load Amp)	16.4 Amps (Each)	0.64 Amps (Each)	19.6 Amps (Each)	0.89 Amps (Each)	19.6 Amps (Each)	0.89 Amps (Each)	27.2 Amps (Each)	0.89 Amps (Each)	30.4 Amps (Each)	0.89 Amps (Each)	
Voltage / Phase	415 / 3	240 / 1	415/3	415/3	415/3	415/3	415/3	415/3	415/3	415/3	
Pole/RPM	2/2,900	4/1440	2/2,900	6/890	2/2,900	6/890	2/2,900	6/900	2/2,900	6/890	
Air Flow	N/A	5000 L/s	N/A	9200 L/s	N/A	13800 L/s	N/A	18000 L/s	N/A	20000 L/s	
HEAT EXCHANGER (Water Side)											
Type of Water Tube	Сорг	per	Copper		Copper		Copper		Сор	per	
Design	Co-A	xial	Co-Axial		Co-Axial		Co-Axial		Shell & Tube		
Flow Rate Excl. By Pass	2.74	L/s	3.6 L/s		5.31 L/s		10.00 L/s		6.3 L/s		
Max. Outlet Water Temp	61°	С	61°C		61°C		61°C		61°C		
Design Pressure Drop	80 k	Pa	80 kPa		80 kPa		80 kPa		80 kPa		
Max. Operating Pres.	2,450	kPa	2,450 kPa		2,450 kPa		2,450 kPa		2,450 kPa		
GENERAL INFORMATION											
Water Connections	65mm (Copper	65mm Copper		65mm Copper		65mm Copper		65mm Copper		
Drain	20mm Aluminium		20mm Aluminium		20mm Aluminium		20mm Aluminium		20mm Aluminium		
Defrost	Automatic Hot Gas Injection		Automatic Hot Gas Injection		Automatic Hot Gas Injection		Automatic Hot Gas Injection		Automatic Hot Gas Injection		
Cabinet Construction	1.2mm Stucco Aluminium Marine Grade		1.2mm Stucco Aluminium Marine Grade Galvanised Base		1.2mm Stucco Aluminium Marine Grade Galvanised Base		1.2mm Stucco Aluminium Marine Grade Galvanised Base		1.2mm Stucco Aluminium e Marine Grade Galvanised Base		
Approx. shipping weight	650	kg	800 kg		1200 kg		1500 kg		1700 kg		
Size L x W x H	1735mm x x 825		2200mm x 1610mm 3462mm x 1962m x 2020mm x 2040mm				3462mm x x 229		3462mm x 1962mm x 2290mm		

Rating conditions-20C ambient, 60% RH, 39°C Water in, 45°C Water out.

Materials and data subject to change without notice due to ongoing product improvements

Accent Air Heat Pumps utilise a host of features to perform optimally in all weather conditions



ACCENT POOL HEAT PUMP

MODEL	HWP17BB-1		HWP20BB-3*		HWP25BB-3*		HWP30-3		HWP38-3		HWP50-3		
ELECTRICAL INPUT	Single P		Three Pl		Three Pl		Three Pl		Three Pl		Three Phase		
Voltage	220-240 Vol		380-415 Vol		380-415 Voli		380-415 Voli		380-415 Volts / 50 Hz		380-415 Volts / 50 Hz		
Amps Per Phase	22.0 Amps		12.0 Ar	12.0 Amps 13.0 Amps 15.0 Amps		20.0 Amps		25.0 Amps					
Min. Circuit Size	32.0 Amps		20.0 Ar	20.0 Amps 20.0 Amps 25.0 Amps		nps	40.0 Amps						
Refrigerant	R407C		R407	C	R407	'C	R407	C	R407	'C	R407C		
PERFORMANCE													
	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	
Air On Conditions	15°CDB, 12°CWB	25°CDB, 18°CWB	15°CDB, 12°CWB	25°CDB, 18°CWB	15°CDB, 12°CWB	25°CDB, 18°CWB	15°CDB, 12°CWB	25°CDB, 18°CWB	15°CDB, 12°CWB	25°CDB, 18°CWB	15°CDB, 12°CWB	25°CDB, 18°CWB	
Entering Water Temp.	27°C	27°C	27°C	27°C	27°C	27°C	27°C	27°C	27°C	27°C	27°C	27°C	
Nominal Capacity	17.0 kW	20.4 kW	20.0 kW	24.9 kW	25.0 kW	31.0 kW	30.0 kW	35.4 kW	38.0 kW	43.7 kW	50.0 kW	57.5 kW	
Power Input	3.78 kW	4.08 kW	4.4 kW	4.98 kW	5.5 kW	6.2 kW	6.6 kW	7.08 kW	8.3 kW	8.74 kW	10.9 kW	11.5 kW	
COP	4.5	5.0	4.5	5.0	4.55	5.0	4.57	5.0	4.58	5.0	4.6	5.0	
Noise Level	59 dB(A) @ 3m	59 dB(A) @ 3m	59 dB(A) @ 3m	59 dB(A) @ 3m	59 dB(A) @ 3m	59 dB(A) @ 3m	60 dB(A) @ 3m	60 dB(A) @ 3m	62 dB(A) @ 3m	62 dB(A) @ 3m	69 dB(A) @ 3m	69 dB(A) @ 3m	
TECHNICAL DATA													
	Compressor	Fan	Compressor	Fan	Compressor	Fan	Compressor	Fan	Compressor	Fan	Compressor	Fan	
Make	Copeland	Ziehl	Copeland	Ziehl	Copeland	Ziehl	Copeland	Ziehl	Copeland	Ziehl	Copeland	Ziehl	
Туре	Scroll	Propeller	Scroll	Propeller	Scroll	Propeller	Scroll	Propeller	Scroll	Propeller	Scroll	Propeller	
Number Per Unit	1	2	1	2	1	2	1	2	1	2	1	2	
FLA (Full Load Amp)	19.3 Amps (Each)	0.64 Amps (Each)	10.00 Amps (Each)	0.64 Amps (Each)	10.0 Amps (Each)	0.64 Amps (Each)	12.0 Amps (Each)	0.84 Amps (Each)	16.4 Amps (Each)	0.84 Amps (Each)	19.6 Amps (Each)	0.64 Amps (Each)	
Voltage / Phase	240 / 1	240 / 1	415 / 3	240 / 1	415/3	240 / 1	415 / 3	240/1	415 / 3	240 / 1	415 / 3	415/3	
Pole/RPM	2/2,900	4/1440	2/2,900	4/1440	2/2,900	4/1440	2/2,900	6/890	2/2,900	6/890	2/2,900	6/890	
Air Flow	N/A	1600 L/s	N/A	1600 L/s	N/A	1600 L/s	N/A	2000 L/s	N/A	2300 L/s	N/A	4500 L/s	
Flow control	Flow switch A	BS paddle	Flow switch A	BS paddle	Flow switch ABS paddle		Flow switch A	BS paddle	Flow switch A	BS paddle	Flow switch A	BS paddle	
Thermostat	Electronic 0.1°C adjustable Ele		Electronic 0.1°C adjustable		Electronic 0.1°(C adjustable	Electronic 0.1°(C adjustable	Electronic 0.1°(C adjustable	Electronic 0.1°C	adjustable	
Soft Starter	Yes		Yes		Yes		Yes		Yes		Yes		
HEAT EXCHANGER (Water Side)													
Type of Water Tube	Titanium	/ PVC	Titanium	Titanium / PVC Titanium / PVC Titanium / PVC Titanium / PVC		/ PVC	Titanium / PVC						
Design	Co-Ax	ial	Co-Ax	ial	Co-Ax	tial	Co-Ax	ial	Co-Axial		Co-Axial		
Flow Rate	2.8 L/s	s*	2.8 L/s*		2.8 L/	2.8 L/s*		2.8 L/s*		2.8 L/s*		2.8 L/s	
Max. Outlet Water Temp	45°C	;	45°C		45°C		45°C		45°C		45°C		
Design Pressure Drop	70 kP	'a	70 kPa		70 kPa		50 kPa		50 kPa		90 kPa		
Max. Operating Pres.	300 kl	Pa	300 k	Pa	300 kPa		300 kPa		300 kPa		300 kPa		
GENERAL INFORMATION			I						I				
Pool Water	40mm PVC		40mm l	PVC	40mm PVC		40mm PVC		40mm PVC		40mm PVC		
Drain	20mm F	PVC	20mm l	PVC	20mm F	PVC	20mm Aluminium		20mm Aluminium		20mm Aluminium		
Defrost	Reverse Cycle de-ice		Reverse Cyc	Reverse Cycle de-ice		le de-ice	Automatic Hot Gas Injection		Automatic Hot Gas Injection		Automatic Hot Gas Injection		
Cabinet Construction	1.2mm Stucco Aluminium Marine Grade		1.2mm Stucco Aluminium Marine Grade		1.2mm Stucco Aluminium Marine Grade		1.2mm Stucco Aluminium Marine Grade		1.2mm Stucco Aluminium Marine Grade		1.2mm Stucco Aluminium Marine Grade		
Approx. shipping weight	85.0 8	(g	120.0	kg	140.0 kg		120.0 kg		170.0 kg		230.0 kg		
Size L x W x H	1150mm x 980n		1150mm x 565mm x 980mm		1150mm x 565mm x 980mm		1450mm x 700mm x 825mm		1750mm x 800mm x 825mm		1750mm x 800mm x 1015mm		

^{*} HWP20BB-3 and HWP25BB-3 also available in single phase models.

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TECHNICAL AIR-TO-WATER

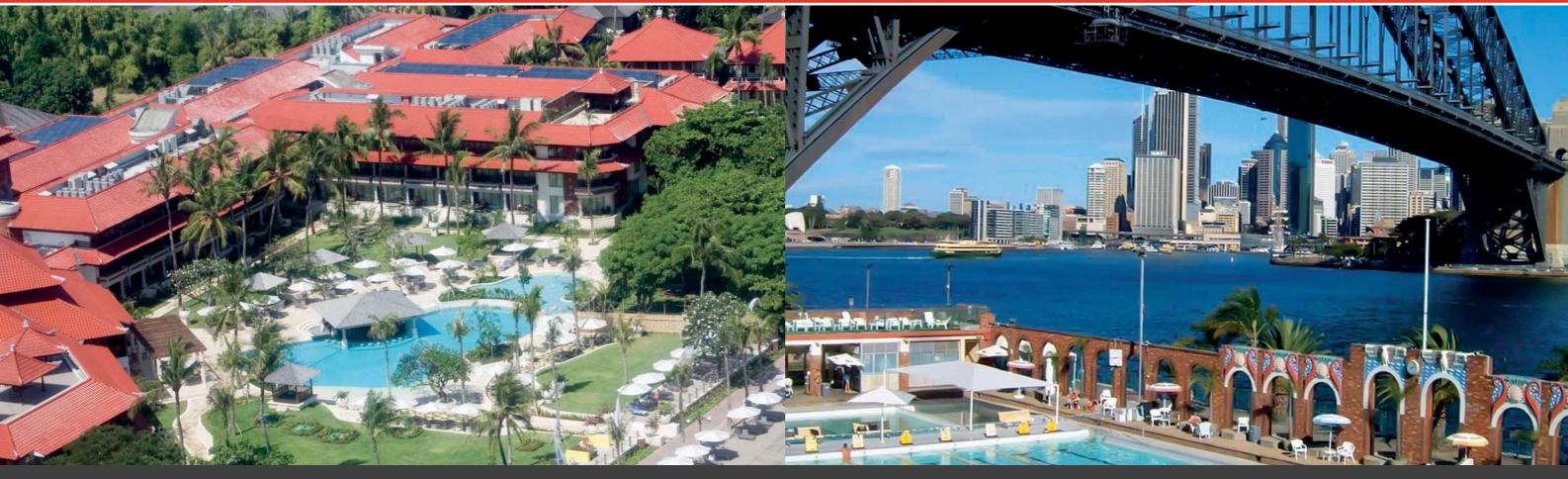
MODEL	HWP60-3		HWP8	0-3	HWP10	0-3	HWP150-3		HWP200-3		HWP250-3	
ELECTRICAL INPUT	Three Pl	hase	Three Pl	hase	Three P	hase	Three Pl	nase	Three Phase		Three Phase	
Voltage	380-415 Vol	ts / 50 Hz	380-415 Volts / 50 Hz		380-415 Vol	ts / 50 Hz	380-415 Volts / 50 Hz		380-415 Volts / 50 Hz		380-415 Volts / 50 Hz	
Amps Per Phase	30.0 Amps		38.0 Amps		45.0 Amps		68.0 Amps		90.0 Amps		110.0 Amps	
Min. Circuit Size	40.0 Amps		63.0 Amps		63.0 Amps		80.0 Amps		100.0 Amps		120.0 Amps	
Refrigerant	R407C		R407C		R407C		R407	C	R407C		R407C	
PERFORMANCE												
	Winter	Summer										
Air On Conditions	15°CDB, 12°CWB	25°CDB, 18°CWB										
Entering Water Temp.	27°C	27°C										
Nominal Capacity	60.0 kW	69 kW	80.0 kW	95 kW	100.0 kW	118.0 kW	150.0 kW	177.0 kW	200.0 kW	248.0 kW	240.0 kW	280.0 kW
Power Input	13.0 kW	13.8 kW	17.4 kW	19 kW	22.2 kW	23.6 kW	32.8 kW	35.4 kW	43.5 kW	49.6 kW	52.2 kW	56 kW
COP	4.6	5.0	4.6	5.0	4.6	5.0	4.58	5.0	4.6	5.0	4.6	5.0
Noise Level	69 dB(A) @ 3m	69 dB(A) @ 3m	68 dB(A) @ 3m	68 dB(A) @ 3m	69 dB(A) @ 3m	69 dB(A) @ 3m	72 dB(A) @ 3m	72 dB(A) @ 3m	73 dB(A) @ 3m	73 dB(A) @ 3m	73 dB(A) @ 3m	73 dB(A) @ 3m
TECHNICAL DATA												
	Compressor Fan		Compressor	Fan								
Make	Copeland	Ziehl										
Туре	Scroll	Propeller										
Number Per Unit	1	2	2	4	2	4	3	6	4	8	4	8
FLA (Full Load Amp)	27.2 Amps (Each)	0.89 Amps (Each)	16.4 Amps (Each)	0.64 Amps (Each)	19.6 Amps (Each)	0.89 Amps (Each)	19.6 Amps (Each)	0.89 Amps (Each)	19.6 Amps (Each)	0.89 Amps (Each)	27.2 Amps (Each)	0.89 Amps (Each)
Voltage / Phase	415 / 3	415/3	415 / 3	240 / 1	415 / 3	415/3	415/3	415/3	415 / 3	415/3	415/3	415/3
Pole/RPM	2/2,900	6/890	2/2,900	4/1440	2/2,900	6/890	2/2,900	6/890	2/2,900	6/890	2/2,900	6/890
Air Flow	N/A	4700 L/s	N/A	5000 L/s	N/A	9200 L/s	N/A	13500 L/s	N/A	18000 L/s	N/A	20000 L/s
Flow control	Flow switch A	BS paddle	Flow switch ABS paddle		Flow switch A	BS paddle						
Thermostat	Electronic 0.1°C adjustable		Electronic 0.1°C adjustable		Electronic 0.1°(C adjustable	Electronic 0.1°(adjustable	Electronic 0.1°(C adjustable	Electronic 0.1°(C adjustable
Soft Starter	Yes											
HEAT EXCHANGER (Water Side)												
Type of Water Tube	Titanium	/ PVC	Titanium / PVC		Titanium / PVC		Titanium	/ PVC	Titanium / PVC		Titanium / PVC	
Design	Co-Ax	rial	Co-Axial Co-Axial Co-Axial		ial	Co-Axial						
Flow Rate	2.8 L/	's#	2.8 L/s*		5.6 L/s#		8.4 L/s#		11.2 L/s*		11.2 L/s#	
Max. Outlet Water Temp	45°0		45°C									
Design Pressure Drop	90 kF	Pa	90 kPa		70 kPa		90 kPa		90 kPa		90 kPa	
Max. Operating Pres.	300 k	Pa	300 kPa									
GENERAL INFORMATION												
Pool Water	40mm PVC		40mm PVC		80mm PVC		80mm PVC		80mm PVC		80mm PVC	
Drain	20mm Aluminium		20mm Aluminium		25mm Aluminium		25mm Aluminium		20mm Aluminium		25mm Aluminium	
Defrost	Automatic Hot Gas Injection											
Cabinet Construction	1.2mm Stucco Aluminium Galvanised Base											
Approx. shipping weight	300.0	kg	650.0	kg	800.0 kg		1200.0 kg		1500.0 kg		1700.0 kg	
Size L x W x H	1750mm x x 1215i		1735mm x 1600mm x 825mm		2200mm x 1610mm x 2020mm		3462mm x 1962mm x 2040mm		3462mm x 1962mm x 2040mm		3462mm x 1962mm x 2290mm	

^{*} If flow rate exceeds flow rate data published above, an external bypass should be fitted.

Materials and data subject to change without notice due to ongoing product improvements.

CASE STUDY

CASE STUDY



HOLIDAY INN RESORT BARUNA BALI

The Holiday Inn Resort Baruna Bali is major mechanical, hydraulic and electrical services were replaced and upgraded with the latest high efficiency systems available.

Features

- > 192 Rheem Solar Collectors
- > 11 Accent Heat Pump Boost heaters
- > 63 Rheem storage tanks
- > 5 separate hot water zones
- > Design capacity 60,000L per day
- > Savings in excessive 80%

The resort has some 195 rooms with a and day spa facilities. During the design water heating systems into the hydraulic Heat Pump system in Indonesia.

consisting of Rheem solar collectors and storage feeding into a Heat Pump and storage Boost system. In the event solar Heat Pump system automatically boosts the water ensuring an uninterrupted hot water supply to guests and facilities within

Some 192 Rheem Solar Collectors, 11 Accent Heat Pump Boost heaters and 63 Rheem storage tanks were installed

system was designed to Intercontinental design parameters to deliver 60,000 L per day and save in excess of 80% of the energy

times of less solar gain. Boosting with a Heat Pump reduces the energy a traditional electric or gas heater would use to boost energy efficient system available.

by PT Dewata Vulcanindo of Indonesia.

NORTH SYDNEY OLYMPIC POOL

North Sydney Olympic Pool is a well-known initiative, the heating system for the pool was upgraded from gas boiler to high efficiency Significant energy savings have been achieved with the additional capital electric Heat Pump.

North Sydney Council had a goal to install a system that was energy efficient and

While Heat Pumps in Australia are typically of Air-to-Water design, the project team saw the potential for a Water-to-Water hot water Heat Pump system. The relatively constant temperature of the harbour provides a perfect heat source for Water-to-Water Heat Pumps. Harbour water is pumped through the Heat Pump heat exchangers, with

required to install the Heat Pumps being recovered through energy cost savings

Accent Air Custom manufactured water to water Heat Pumps for this project with a nominal capacity up to 375kW each with a total installed capacity of 1100kW. Water-to-Water Heat Pumps were the ideal choice for the site due to limitations on available space. Equivalent Air-to-Water Heat Pumps would have taken up more than 10 times the space required for Water-to-Water Heat Pumps. This high efficiency Heat Pump system continues to operate today providing ongoing significant (COP) up to 6.0 in this application. energy savings to North Sydney Council.

Alpine Training Centre in Thredbo NSW. remains relatively stable throughout the year climates. Air-to-Water Heat Pumps are not suitable in such climates due to Heat Pump capacity de-rate that occurs during severe winter ambient temperatures.

The efficiency of Accent Heat Pumps has site Heat Pumps installed at Manly Aquatic Centre. ETM Refrigeration Analysis Meter

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Authorised Dealer

HEAD OFFICE

21 Atkinson St

Liverpool NSW 2170 Australia Phone : 61 2 8706 8400 Fax: 61 2 8706 8477

Fax: 61 2 8706 8477
Email: sales@accentair.com.au
Web: www.accentair.com.au