

Air Cooled Rooftop Packaged ***Air Conditioners***

8kW to 200kW Units

R410a Refrigerant 8kW to 73kW

R407c Refrigerant 80kW to 200kW



Commercial Range



Supplying the Australian HVAC Industry since 1961

Air Cooled Rooftop Packaged Units Commercial Range



PH 45



PHS 30

Established 1961, Dunnair has a proud history of supply to the Australian Commercial HVAC Industry.

Our quality range of Air Cooled Rooftop Packaged models are designed and manufactured in accordance with strict quality control standards and for Australian conditions.

- > PHS8 to 35 single stage
- > PH40 to 200 two stage
- > Optional two stage available for 18kW to 35kW
- > PHS8 to 35 direct drive
- > PH40 to 200 belt drive
- > Automatic De-Ice
- > Liquid Accumulator
- > Crankcase heater
- > 24 volt control
- > Galvanised steel panelling
- > Durable powder coated cabinet (outdoor unit)
- > External stainless steel fittings
- > Easy access panels with turn lock handles, no screws
- > 25mm insulation
- > Coil corrosion protection
- > High quality scroll compressors
- > High/low pressure protection for compressor
- > Time delay protection for compressor
- > Limit start timer
- > Quiet & efficient
- > Independent defrost dual circuit units for two stage units
- > Opposite return & supply air options

Apart from our standard design and specifications, Dunnair can manufacture to your design requirements; Including but not limited to: SA/RA Locations (e.g. opposite handing, top – bottom etc), Hot gas bypass, High static fans, 50mm insulation, Stainless steel units.



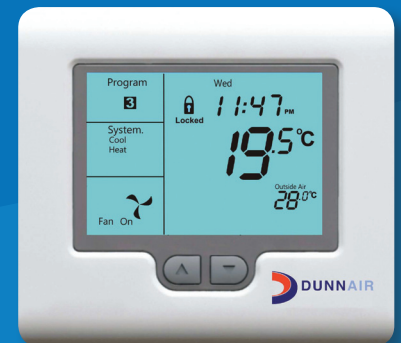
PHS 18



PHS 8

- > Phase reverse protection
- > Electric Reheat high temperature protection (optional)
- > Overload protection for both indoor and outdoor fan motor
- > MEPS rated

- > Manufactured for Australian Standards & Conditions
- > High quality control procedures



Optional DAT-770 multifunction thermostat

Technologically advanced in design and performance, the DAT-770 is the ideal thermostat control for any installation of air conditioning systems

- > Auto season change over
- > Selectable programmable or manual mode
- > Heat cool or heat pump (O/B) logic
- > 0–10v output option for heating or cooling
- > High and low balance points
- > Single or 3 speed fan control
- > Keyboard and/or temperature locks
- > Occupancy sensor inputs
- > Programmable occupancy inputs
- > Adaptive recovery (optimised start)
- > Smart fan logic for commercial control
- > PIN protected menus (installer PIN)
- > Outside air temperature display
- > 24v powered with memory backup
- > Volt free (clean contact) relays
- > Large backlit EL display
- > Remote temperature sensors available
- > Integrated Modbus option
- > Replaces almost all 24v thermostats

Air Cooled Rooftop Packaged Units

Model	Cooling Capacity (kW)	Sensible Cooling (kW)	Heating Capacity (kW)	Nominal Air Flow (L/S)	Phase	Full Load Amps	Dimensions L x W x H (mm)	Weight (kg)	Return Air (mm)	Supply Air (mm)	Noise Levels (dB)	Refrigerant Circuits	Drive
PHS8	7.8	7.2	7.6	472	1	15.9	1190x954x780	198	637x350	188x270	66.8	1	Direct
PHS10	9.1	7.9	9.4	555	1	26.0	1190x954x780	198	637x350	148x310	67.2	1	Direct
PHS12	11.5	9.7	12.1	695	3	11.0	1246x1050x845	210	680x400	221x300	69.7	1	Direct
PHS15	14.3	13.0	14.2	850	3	12.6	1360x1190x865	230	723x495	237x282	70.6	1	Direct
PHS18	17.1	15.1	18.0	1000	3	14.6	1360x1190x865	238	723x495	275x363	70.4	1	Direct
PHS20	19.9	15.9	19.5	1110	3	17.4	1650x1170x865	360	756x390	338x325	73.5	1	Direct
PHS25	24.2	19.3	24.5	1390	3	22.4	1650x1560x860	428	710x800	338x325	74.9	1	Direct
PHS30	30.6	25.4	30.6	1800	3	27.0	1800x1800x930	500	868x900	331x455	74.7	1	Direct
PHS35	34.8	28.8	32.4	2000	3	28.7	1800x1800x930	528	868x950	331x455	75.2	1	Direct
PH40	39.7	32.6	36.1	2200	3	30.8	2100x1850x1305	622	1163x900	452x516	75.4	2	Belt
PH45	44.8	36.8	44.2	2700	3	37.2	2300x1850x1305	632	1163x900	452x516	76.3	2	Belt
PH50	48.6	39.8	44.2	2800	3	41.2	2500x1850x1450	780	1300x900	452x516	77.2	2	Belt
PH56	55.6	45.0	57.4	3000	3	47.7	2500x1850x1450	800	1300x900	452x516	77.6	2	Belt
PH66	65.5	50.9	60.7	3500	3	54.5	2550x2100x1500	850	1405x1080	503x578	78.2	2	Belt
PH73	72.8	59.3	66.6	3900	3	60.6	2600x2130x1500	915	1405x1150	503x578	78.7	2	Belt
PH80	80.4	65.5	80.7	4300	3	66.2	2600x2130x1500	970	1405x1150	503x578	78.9	2	Belt
PH90	88.5	71.0	85.0	4800	3	74.4	3100x2130x1800	1140	1695x1050	525x647	79.9	2	Belt
PH100	102.2	82.9	98.5	5500	3	85.2	4000x2050x1950	1700	1700x1400	750x650	81.5	2	Belt
PH120	117.6	95.2	116.2	6500	3	98.8	4100x2050x2050	1860	1800x1600	800x700	82.5	2	Belt
PH140	137.8	110.6	132.0	7500	3	117.5	4200x2050x2050	2120	1800x1500	800x900	83.8	2	Belt
PH160	156.2	127.5	152.5	8500	3	133.9	4200x2050x2050	2120	1800x1600	800x900	86.0	2	Belt
PH180	176.8	143.6	169.4	9500	3	153.2	4205x2150x2350	2360	2100x1650	800x900	87.4	2	Belt
PH200	201.8	164.3	196.2	10500	3	163.7	4205x2200x2350	2570	2100x1750	800x900	89.4	2	Belt

Cooling capacity is based on 27°C DB, 19°C WB Entering Air Temperature & 35°C Ambient Temperature
Sound Levels are measured from 1 metre of the outdoor unit

Due to ongoing product development, specifications are subject to possible change without prior notice.



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80kW to 200kW R407c refrigerant