PA 4900

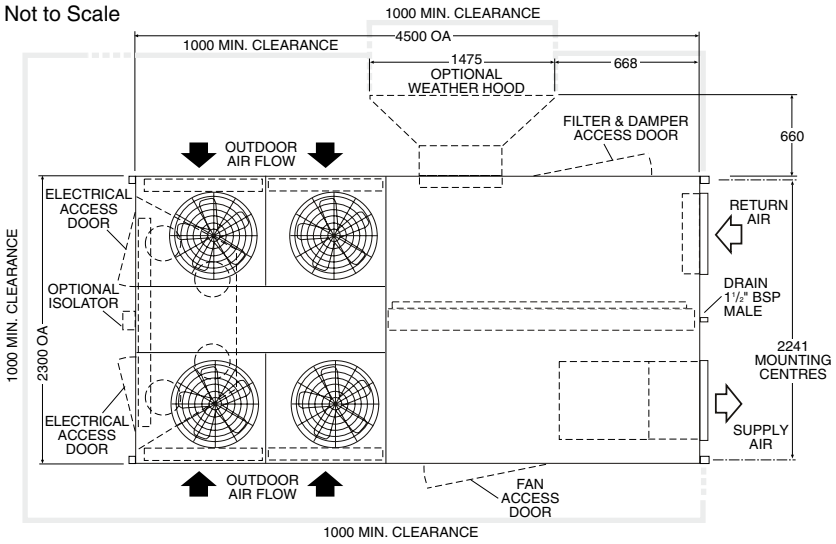
Custom Product Data

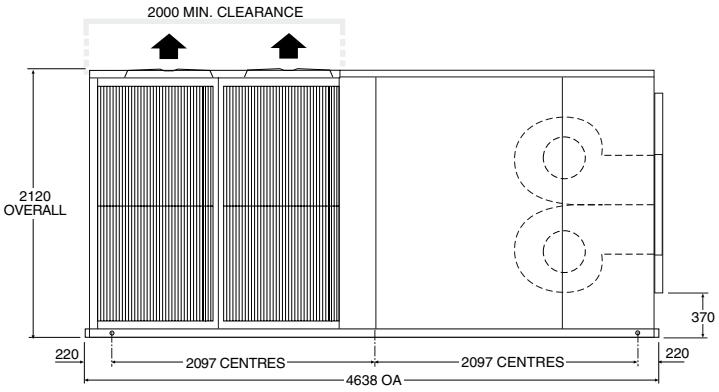
Packaged Air Cooled R410A Reverse Cycle Air Conditioners

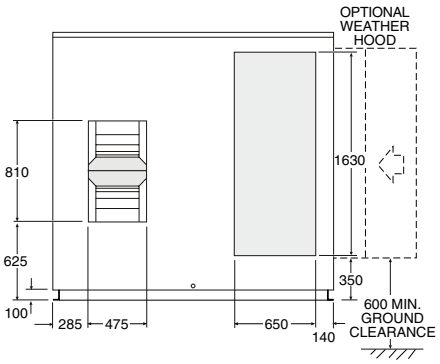
DIMENSIONS (mm)

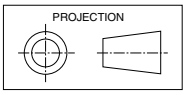
PA 4900

Not to Scale









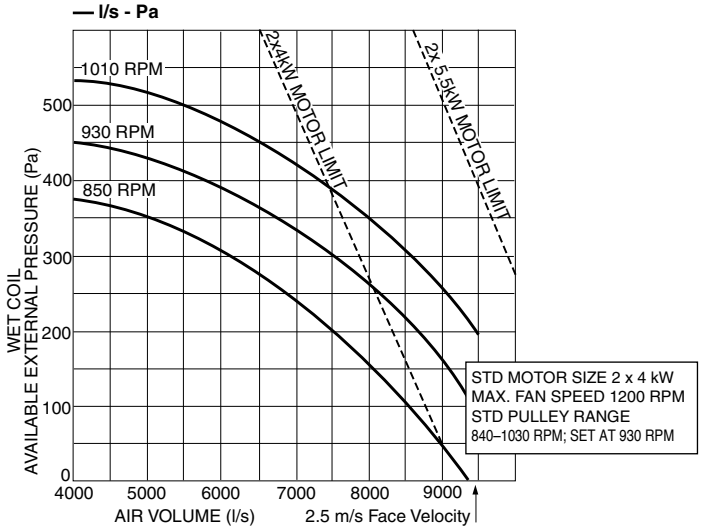
Options

1. Opposite handed versions (Standard shown).
2. Supply and return air openings via end, sides, top or bottom of units.
3. Fresh air entry via end, sides, or bottom of units.
4. Economiser dampers and motors.
5. Weatherhood and access door position exchanged.
6. Filters EU4 or EU3 + EU6.
7. Spring mounted indoor air fan.
8. Electric fresh air preheating.
9. Electric boost reheat.
10. Hot water refrigerant preheat or reheat coils
11. Mains isolator fitted.
12. Controls fitted.
13. Digital scroll compressor.
14. EC motor plug fans (refer separate brochure).

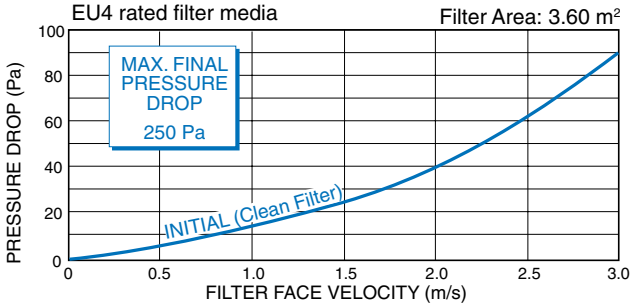
Refer to **temperzone** Engineering for any special requirements.

AIR HANDLING

Without Filter



Filter Pressure Drop



Note

1. In tropical (high humidity) conditions care must be taken to select an air flow which gives a suitable coil face air velocity, to prevent water carry over.
2. For applications with low resistance be sure not to exceed the fan motor full load amps.
3. Applications using full or high proportions of fresh air should be referred to **temperzone** engineering office to establish the correct selection of units.

QUICK REFERENCE

Model	PA **4900R**
Nominal Air Flow (l/s)	9000
Running Amps/Ph. (Total)	125
Indoor Fan Motor (Std) FLA	20
Electrical Supply Required	3ph. 380-415V ±10% a.c. 50 Hz
Recom'd Motor Rated Protection	160 A
Net Weight (kg)	2650

COOLING CAPACITY (kW)

T = Total Capacity (kW) S = Sensible Capacity (kW)

E.A.T. = Entering Air Temperature ( ) = Nominal Capacity (kW)

Note: Capacities are **gross** and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling graph.

MODEL	INDOOR FAN	INDOOR COIL E.A.T.		OUTDOOR COIL ENTERING AIR TEMPERATURE °C D.B.											
				23		27		31		35		39		43	
	AIR FLOW l/s	W.B. °C	D.B. °C	Total	Sens.	Total	Sens.	Total	Sens.	Total	Sens.	Total	Sens.	Total	Sens.
PA 4900	9000	15	21	179	135	176	134	171	132	163	128	153	121	139	111
		17	23	188	132	186	132	181	129	173	125	162	119	149	110
		19	27	198	151	195	151	190	149	(182)	144	172	137	158	128
		21	31	207	178	205	179	200	176	192	171	181	164	167	153

Indoor Air Flow Correction Factors @ nominal conditions

	Indoor Air Flow (%)			
	-20%	-10%	Rated	+10%
Total Capacity	0.95	0.975	1.0	1.025
Sensible Capacity	0.89	0.950	1.0	1.050

HEATING CAPACITY (kW)

G = Gross Heating Capacity kW, based on nominal air flow.
N = Net Heating Capacity kW allowing for average defrost.
( ) = Nominal Capacity (kW)

MODEL	INDOOR ENTERING AIR TEMP. °C D.B.	OUTDOOR COIL ENTERING AIR TEMPERATURE (E.A.T.) °C D.B.															
		– 5		– 3		– 1		1		3		5		7		9	
		G	N	G	N	G	N	G	N	G	N	G	N	G	N	G	N
PA 4900R	15	123	108	133	115	142	117	152	120	161	121	173	134	184	143	193	193
	20	121	106	131	112	140	115	149	117	158	119	169	124	(180)	140	189	189
	25	116	102	126	108	134	111	143	113	152	115	163	119	173	135	182	182

SOUND LEVELS

Radiated

Sound Power Levels (SWL)
Test Conditions: BS 848 PT2 1985. Installation Type A (free inlet and outlet). Direct method of measurement (reverberant room). Measured in decibels re 1 picowatt.

SWL dB(A)	OCTAVE BAND FREQ. Hz					
	125	250	500	1 k	2 k	4 k
	SOUND POWER LEVELS dB					
83	71	75	77	79	77	73

SPL @ 3 m dB(A)	OCTAVE BAND FREQ. Hz					
	125	250	500	1 k	2 k	4 k
	SOUND PRESSURE LEVELS dB					
67	55	59	61	63	61	57

Sound Pressure Level (SPL) in decibels re 20 µPa.

Supply Air Outlet

Test Conditions: JIS 8616. 1 m ducting with 25 mm insulation. Sound Pressure Levels are at 1 m from source.

FAN SPEED RPM	SWL dB(A)	OCTAVE BAND FREQ. Hz					
		125	250	500	1 k	2 k	4 k
		SOUND POWER LEVELS dB					
850	87	86	84	82	82	81	79
1010	92	89	87	85	87	86	84

NOTE
The manufacturer reserves the right to change specifications at any time without notice or obligation. Certified data available on request.