

100% Outside Air Packaged Air Conditioning



OAP Outside Air Package Units

OAP7200-104P3 Technical Data

Technical Specifications

Nominal Airflow

Fresh Air (l/sec)	7200
Supply Air (l/sec)	7200
Condenser Air (l/sec)	9000

Supply Fan

Fan Type	EC Plug
Motor Power (Watts)	4450
External Static (Pa)	250
Fan Diameter	450
Number of Fans	3

Condenser Fan

Fan Type	EC Plug
Motor Power (Watts)	3700
Fan Diameter	630
Number of Fans	2

Electrical

*Cable to be sized to Maximum FLA

Supply Fan (A)	20.4 - 20.4 - 20.4
Condenser Fan (A)	11.2 - 11.2 - 11.2
Compressor (A)	60.0 - 60.0 - 60.0
Nominal Run Current (A)	91.6 - 91.6 - 91.6
Maximum Full Load (A)	100.8 - 100.8 - 100.8
Volt/Phase	415V/3ph

Controls

0-10V DC (Fan Control)	Included
24V AC Control Relay	Included
Fan Fault Signal	Included
Fan Run Status	Available
Switchboard	Yes
Circuit Breakers	Yes

Cabinet Construction

Casing	50mm Insulated Panel
Finish	Surf Mist Colourbond
Insulation Value	R2.0
Side Access Panels	Included

Coil Selection

Evaporator Coil FL x FH (mm)	2600 x 1219.2
Face Velocity (m/sec)	2.27
Condenser Coil FL x FH (mm)	(2X) 1000 x 1625.5
Face Velocity (m/sec)	2.49
Anti-Corrosion Coil Coating	Included
Drain Tray	Stainless Steel

Refrigeration

Cooling Capacity (kW)	102.1
Inverter Compressor	Standard (x2)
Expansion Device	Electronic Valve
Head Pressure Control	Included

Design Conditions

Based on Melbourne

Ambient (DB/WB) Summer	34.6/20.6
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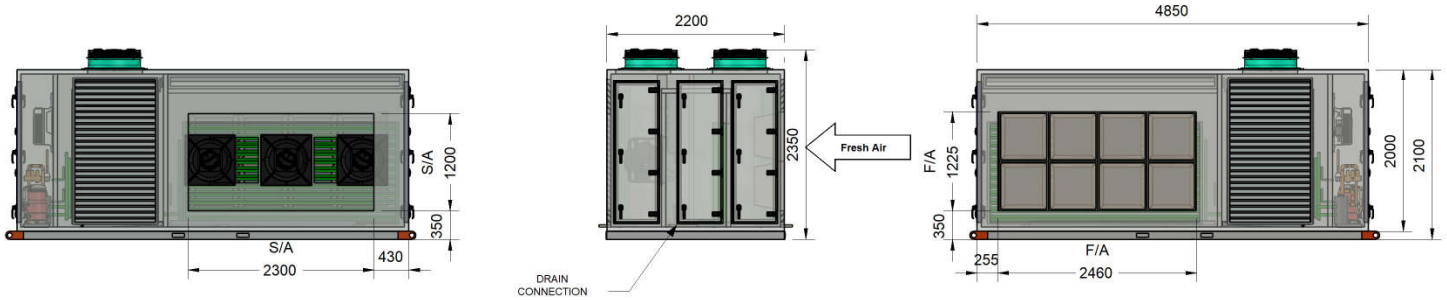
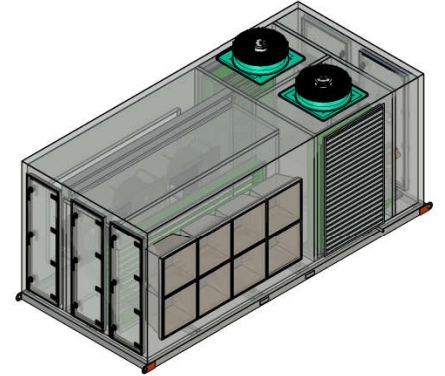
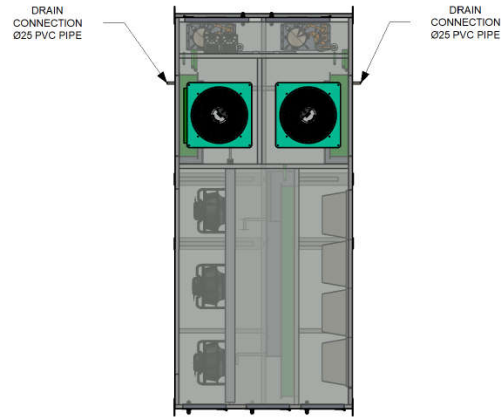
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Technical Drawings – OAP7200-104P3



Dimension

Height (mm)	2100
Width (mm)	4850
Length (mm)	2200
Weight (Kg)	3620

Duct Sizes

Fresh Air (mm)	2460 x 1225
Supply Air (mm)	2300 x 1200

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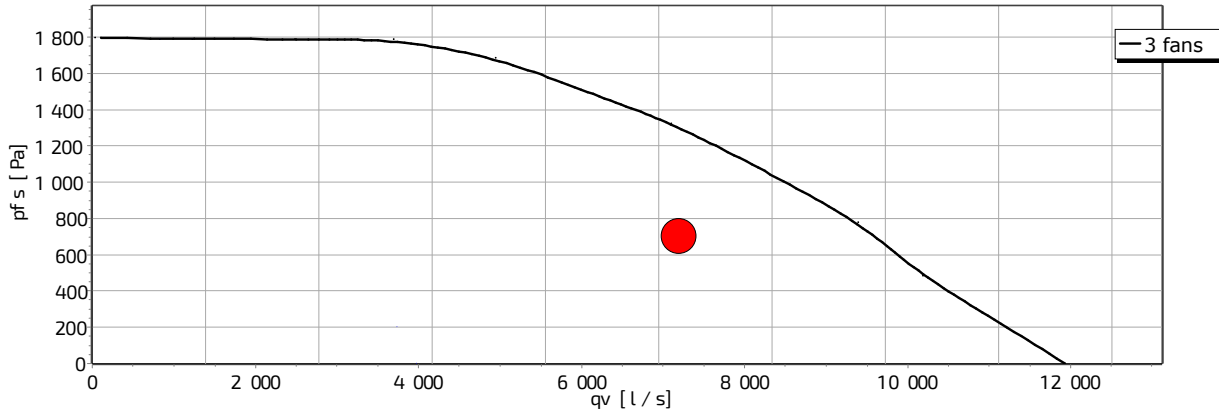
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Supply Fan Performance Data

*Duty point - 7200 L/s at 700 Pa Total Static Pressure (400Pa External Static Pressure)



Sound Power Levels

*Sound power levels at 700 Pa Total Static Pressure and 7200 L/s Total Air Volume

Inlet Rating dB		Outlet Rating dB	
63 Hz	46.2	63 Hz	48.8
125 Hz	63.0	125 Hz	64.1
250 Hz	71.2	250 Hz	70.9
500 Hz	73.5	500 Hz	77.2
1K Hz	73.8	1K Hz	82.0
2K Hz	75.2	2K Hz	83.2
4K Hz	77.7	4K Hz	80.5
8K Hz	74.0	8K Hz	76.5
LwA	82.5	LwA	87.7

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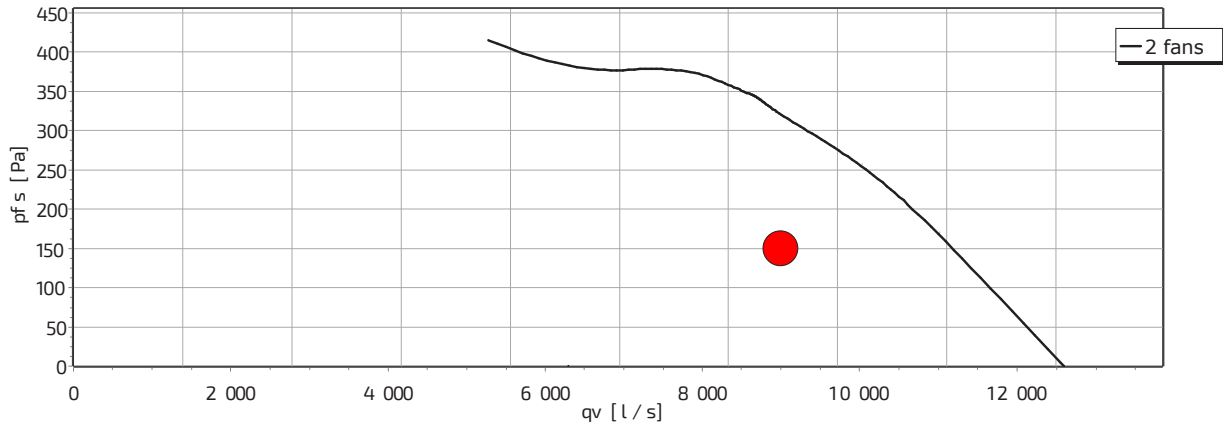
OAP Outside Air Package Units

OAP7200-104P3 Technical Data



Condenser Fan Performance Data

*Duty point - 9000 L/s at 150 Pa Total Static Pressure



Sound Power Levels

*Sound power levels at 9000 L/s Total Air Volume and 150 pa Total Static Pressure

Inlet Rating dB		Outlet Rating dB	
63 Hz	46.4	63 Hz	51.7
125 Hz	62.6	125 Hz	65.4
250 Hz	66.2	250 Hz	67.4
500 Hz	71.7	500 Hz	72.6
1K Hz	72.8	1K Hz	73.9
2K Hz	71.3	2K Hz	71.6
4K Hz	67.5	4K Hz	67.1
8K Hz	60.5	8K Hz	59.3
LwA	77.9	LwA	78.6



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