

# 100% Outside Air Packaged Air Conditioning



## OAP Outside Air Package Units

### OAP2700-39P3 Technical Data

#### Technical Specifications

##### Nominal Airflow

Fresh Air (l/sec)	2700
Supply Air (l/sec)	2700
Condenser Air (l/sec)	3500

##### Supply Fan

Fan Type	EC Plug
Motor Power (Watts)	4450
External Static (Pa)	250
Fan Diameter	450
Number of Fans	1

##### Condenser Fan

Fan Type	EC Plug
Motor Power (Watts)	3700
Fan Diameter	630
Number of Fans	1

##### Electrical

\*Cable to be sized to Maximum FLA

Supply Fan (A)	6.8 - 6.8 - 6.8
Condenser Fan (A)	5.6 - 5.6 - 5.6
Compressor (A)	23.0 - 23.0 - 23.0
Nominal Run Current (A)	35.4 - 35.4 - 35.4
Maximum Full Load (A)	39.0 - 39.0 - 39.0
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)	1200 x 1016
Face Velocity (m/sec)	2.21
Condenser Coil FL x FH (mm)	750 x 1625.6
Face Velocity (m/sec)	2.87
Anti-Corrosion Coil Coating	Included
Drain Tray	Stainless Steel

##### Refrigeration

Cooling Capacity (kW)	38.1
Inverter Compressor	Standard (x1)
Expansion Device	Electronic Valve
Head Pressure Control	Included

##### Design Conditions

Based on Melbourne

Ambient (DB/WB) Summer	34.6/20.6
------------------------	-----------

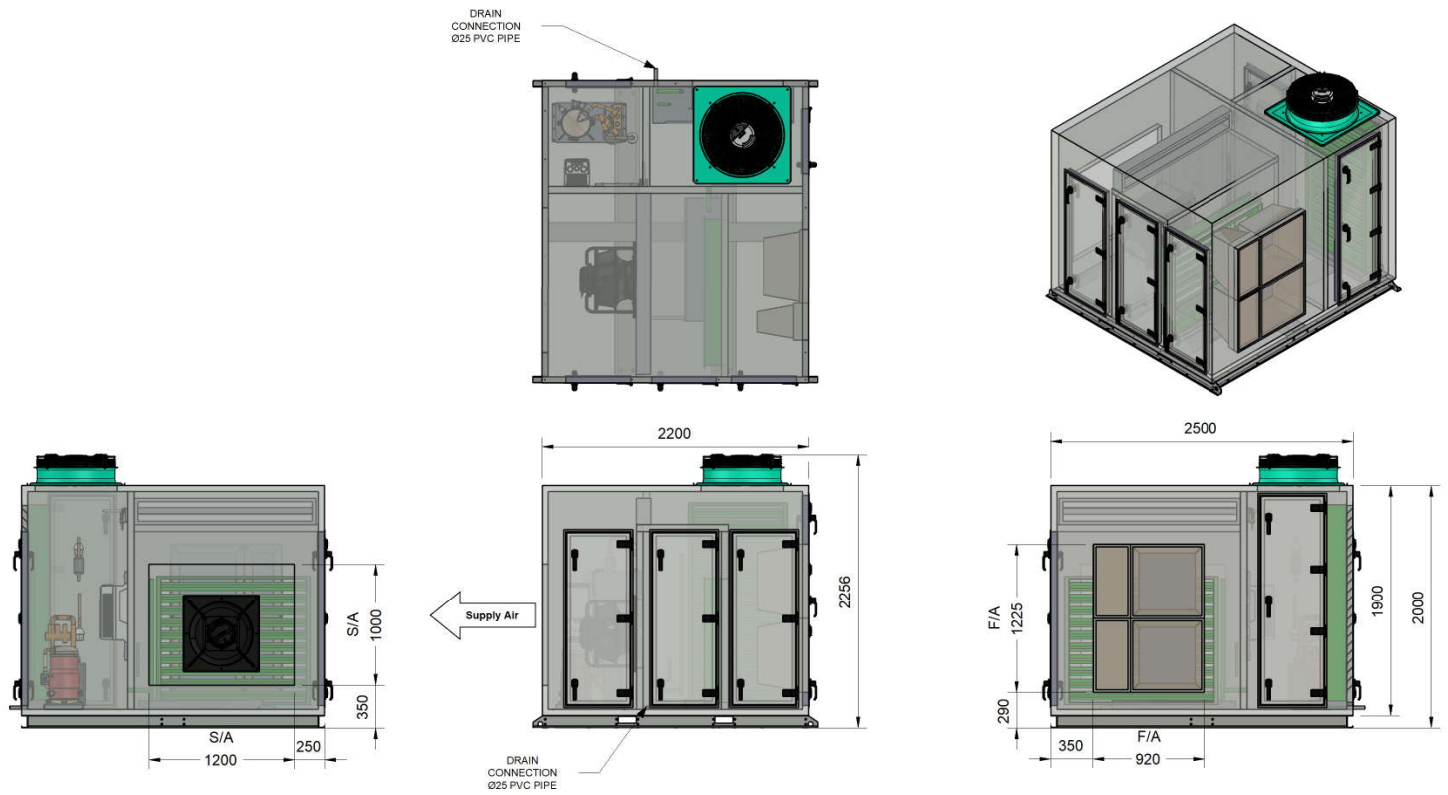
# 100% Outside Air Packaged Air Conditioning

## OAP Outside Air Package Units

### OAP2700-39P3 Technical Data



## Technical Drawings – OAP2700-39P3



Dimension	
Height (mm)	2000
Width (mm)	2500
Length (mm)	2200
Weight (Kg)	1460

Duct Sizes	
Fresh Air (mm)	920 x 1225
Supply Air (mm)	1200 x 1000

# 100% Outside Air Packaged Air Conditioning

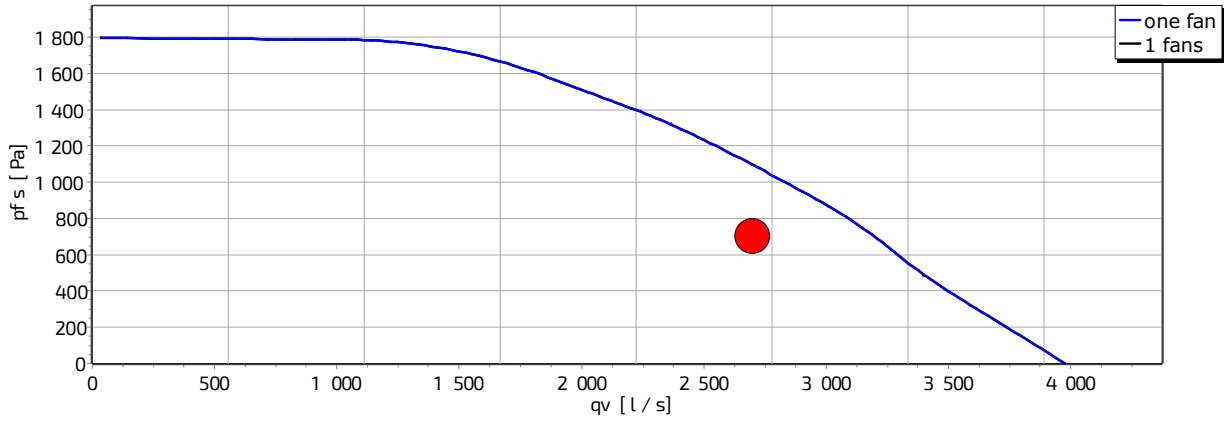
OAP Outside Air Package Units

OAP2700-39P3 Technical Data



## Supply Fan Performance Data

\*Duty point - 2700 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 2700 L/s Total Air Volume

Inlet Rating dB		Outlet Rating dB	
63 Hz	46.3	63 Hz	49.8
125 Hz	63.8	125 Hz	64.7
250 Hz	73.9	250 Hz	73.5
500 Hz	77.0	500 Hz	80.0
1K Hz	76.2	1K Hz	84.6
2K Hz	78.0	2K Hz	86.2
4K Hz	79.1	4K Hz	82.2
8K Hz	80.2	8K Hz	80.6
LwA	85.7	LwA	85.7

# 100% Outside Air Packaged Air Conditioning

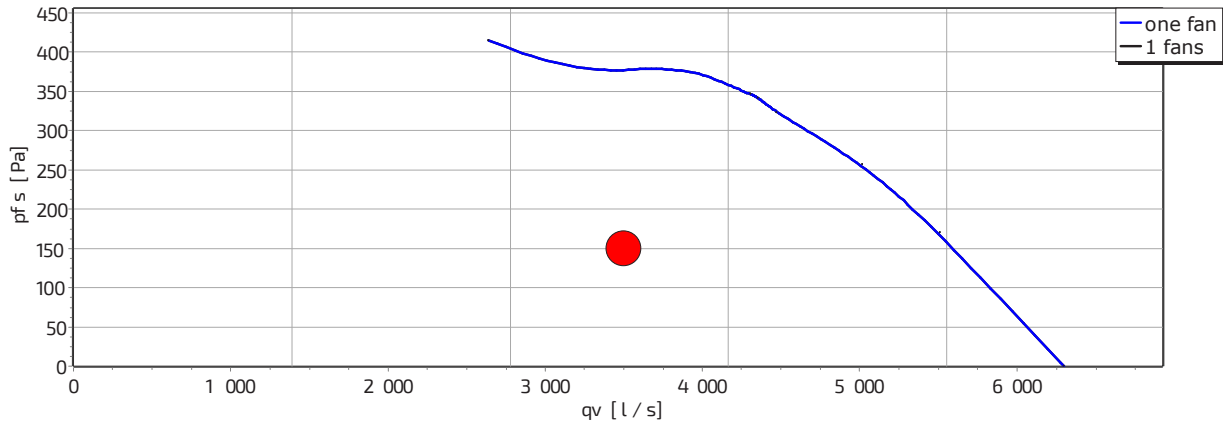
OAP Outside Air Package Units

OAP2700-39P3 Technical Data



## Condenser Fan Performance Data

\*Duty point - 3500 L/s at 150 Pa Total Static Pressure



## Sound Power Levels

\*Sound power levels at 3500 L/s Total Air Volume and 150 pa Total Static Pressure

Inlet Rating dB		Outlet Rating dB	
63 Hz	46.3	63 Hz	49.6
125 Hz	60.7	125 Hz	62.5
250 Hz	64.3	250 Hz	64.9
500 Hz	69.4	500 Hz	69.6
1K Hz	70.2	1K Hz	70.9
2K Hz	68.4	2K Hz	68.1
4K Hz	64.2	4K Hz	63.1
8K Hz	56.4	8K Hz	54.5
LwA	75.2	LwA	75.4



A: 109-111 Northcorp Blvd, Broadmeadows VIC 3047  
T: 03 8301 9200  
E: sales@armcor.com.au  
W: armcor.com.au

© 2022 Armcor Air Solutions reserves the right to alter products and specifications without notice and does not accept responsibility for possible errors and omissions in published documentation.  
Date: 06/07/2022 | Document: OAP2700-39P3\_techspec | Version 1