

# PAP<sup>®</sup> L Series **Low Temperature**

## Models

PAP05A-L

Air processing capacity **5~7m<sup>3</sup>/min**

Temperature setting range **8~18°C**

Temperature control accuracy **±2°C**



<Special order model>

For more information on special order models ▶ 24P

- Noise reducing intake duct ■ Circulation intake chamber
- Exhaust chamber ■ Includes humidity display

Please contact ORION regarding custom built models of specifications outside the ranges listed herein.



## All fresh air cooling to 8°C from 35°C air.

### Typical Applications

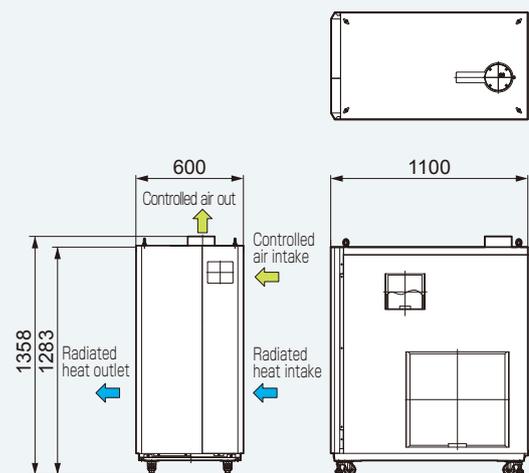
- Quick cooling of heated product.
- Precooling for desiccant air processors, etc.

### Specifications

Model		PAP05A-L	
Performance specifications	Configurable temperature range ※1	°C	8 ~ 18
	Temperature control accuracy ※2	°C	±2
	Cooling capacity ※3	kW	5.9 / 7.0
	Rated processing airflow	m <sup>3</sup> /min	5 ~ 7
Environmental conditions	Surrounding temperature and humidity range	°C,%	15 ~ 35, 30 ~ 70
	Temperature gradient at intake	°C/h	Within ±1
	Outside dimensions (H×D×W) ※4	mm	(1358×1100×600)
	Mass	kg	(185)
Power specifications	Controlled air outlet port	mm	φ150
	Power source ※5	V(Hz)	Three-phase 200V ±10%, 50/60Hz
	Power consumption	kW	(4.7)
	Electric current	A	(17)
	Power capacity	kVA	(6.5)
	Operation control method		Inverter speed control + hot gas bypass control
	Refrigerant		R410A
Compressor output	kW	1.7	

### External Dimensions

PAP05A-L



※1 Cooling only (Set temperature is lower than intake air temperature.) The range of temperature control depends on the condition of the air supplied at the intake. ※2 When the air temperature and humidity is stable at the air intake. Noted accuracy is based on measurement by the internal controller at a single air outlet point. Not including times when the compressor load is small and the compressor is cycling ON and OFF. ※3 Conditions for the rated cooling capacity: intake temperature and humidity: 35°C / 70%, airflow: 5 m<sup>3</sup>/min. ※4 Height includes outlet port. ※5 Source voltage phase unbalance should be less than ±3%.

**Units with flow rates beyond the above specifications are available. Please consult with your dealer.**

# ORION Precision Air Processing For Every Application

## PAP® Series Special Order Equipment



**1** Noise reducing intake duct

**Applicable models**

PAP Temperature Control Type  
 PAP Temperature And Humidity Control Type  
 PAPmini Series



**2** Circulation intake chamber

**Applicable models**

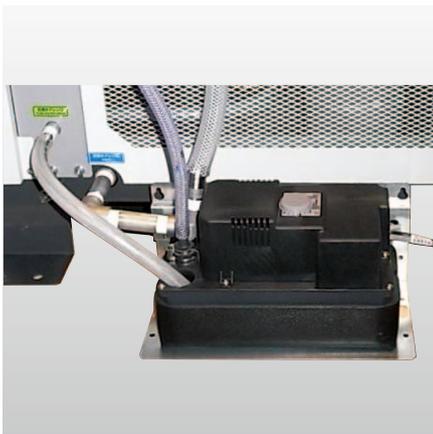
PAP Temperature Control Type  
 PAP Temperature And Humidity Control Type  
 PAPmini Series



**3** Duct set

**Applicable models**

PAP Temperature Control Type  
 PAP Temperature And Humidity Control Type  
 PAPmini Series



**4** Drain pump set

**Applicable models**

PAP Temperature Control Type  
 PAP Temperature And Humidity Control Type  
 PAPmini Series



**5** Sensor extension

**Applicable models**

PAP Temperature Control Type  
 PAP Temperature And Humidity Control Type  
 PAPmini Series



**6** Built-in drain tank

**Applicable models**

PAP03B

**7** Vibration reducing base



## Other Special Order Equipment

**8** Steam humidification

**Applicable models**

PAP Temperature And Humidity Control Type

**9** Humidity display

**Applicable models**

PAP Temperature Control Type

**10** HEPA differential pressure gauge

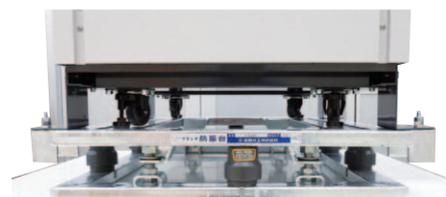
**Applicable models**

PAP Temperature Control Type  
 PAP Temperature And Humidity Control Type

**11** Low ambient temperature cooling water specification

**Applicable models**

PAP Temperature Control Type  
 PAP Temperature And Humidity Control Type



Base installation example

Options