

# COUNTERFLOW

100% Fresh Air Air-Conditioner Range



# Dunnair

## Quality Engineering Solutions

Dunnair is now firmly positioned as a leading supplier to the air conditioning industry.

The name Dunnair is synonymous with high quality products in the commercial air-conditioning industry. Beginning with Dunn Air Conditioning in 1961 and more recently, Dunnair International and Dunnair Australia, the company continues to be a leading importer and supplier of air-conditioning brands for the Australian market.

In 1994, the company was bought by Multistack and renamed Dunnair International. In 2004, Ernest Ugazio acquired the sales and subsequently state service department of Dunnair. This led to the company being divided into separate entities: Dunnair International and Dunnair Australia, the former focused on Multistack Chiller sales and spare parts; while the latter began design and development of a split ducted and rooftop packaged range that we manufactured in China.

The total fresh air rooftop packaged units shown in this brochure are part of Dunnair's range of high quality units for every application. Dunnair has also become the first choice when individual engineering solutions are required. Fast-moving and responsive, Dunnair supplies made-to-measure HVAC solutions to a growing number of high profile developments across Australia.

Dunnair research and development plus a strict quality control program have been fundamental to our growth, success and reputation. Dunnair units are manufactured in accordance with strict quality control standards and are MEPS rated and developed for Australian conditions.

**Range:** Dunnair's two modern factories manufacture 16 separate product lines and some 600 different models. Dunnair can supply most products the HVAC industry requires. This new product line of 100%(total) fresh air energy saving air conditioners is proof of that the company is working continuously to improve its product range and the efficiency of its products.

**Specialised Solutions:** Dunnair will engineer and manufacture equipment to suit the application and building design. No challenge will go unaccepted. We will design and make special products as required for the building, mining, transport and maritime industry. We employ mechanical engineers in all sales offices in Australia. Their sale role is to support designers to achieve their goal.

Our promise to the system designers is **Tell us what you need and we will work with you to deliver.**

With a head office in Melbourne, Dunnair has offices in New South Wales, Queensland, South Australia, Western Australia and Tasmania. Established 1961, Dunnair maintains a dedicated engineering and sales support staff waiting to assist you with technical and product information and provide valuable solutions for your project.

**Dunnair will design, build and deliver HVAC equipment to meet the stringiest specifications and difficult applications.**

**"We make special equipment."**



# 100% Fresh Air Air-Conditioners Range

## Rooftop Package Units - PHX Cooling Only or Reverse Cycle

The Dunnair PHX series units are designed to operate with 100% outdoor air to improve indoor air quality.

By using a high efficiency sensible or total plate heat exchanger, the energy consumption can be reduced by up to 75% to fresh air applications. Other options are available to meet hygiene, anti-corrosion or tropical ambience requirement.

The energy consumption to heat or cool fresh air without energy recovery is extremely high. Our range of PHX systems are designed to maximise energy savings and reduce energy consumption.

Dunnair's 100% Fresh Air reverse cycle rooftop package units are available from 750 L/s to 2500 L/s. Larger capacities can be customised and manufactured with easy-to-assemble structures that allow the heat exchange core to be easily removed for cleaning or replacement. This feature also enables easy access to the fan chamber for servicing and maintenance.

The Dunnair Energy Recovery feature provides an innovative sustainable solution together with the benefits of reducing energy consumption in every single model, while adding to valuable Green Star Points.

- Integrated with high-efficiency total or sensible air to air plate heat exchanger
- Passive energy recovery design saves outdoor air consumption by up to 75%
- Providing healthy indoor environment with up to 100% fresh air
- Optional economy cycle to maximise passive heating or cooling efficiency
- Section J of BCA compliant
- Assists with earning GBCA & NABERS energy ratings
- Saves energy bills; low operating cost
- Easy access for service and maintenance
- Environment friendly refrigerant – all units are in R410a

### Available Models

- 100% Fresh Air Packaged Ducted Air Conditioners
- 100% Fresh Air Split Ducted Air Conditioners
- 100% Fresh Air Packaged or Split Ducted Heat Recovery Units
- 100% Fresh Air Pool Air Conditioners

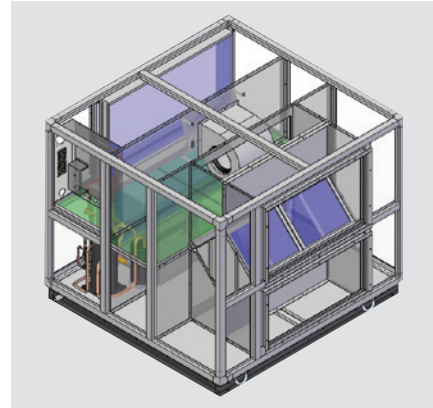
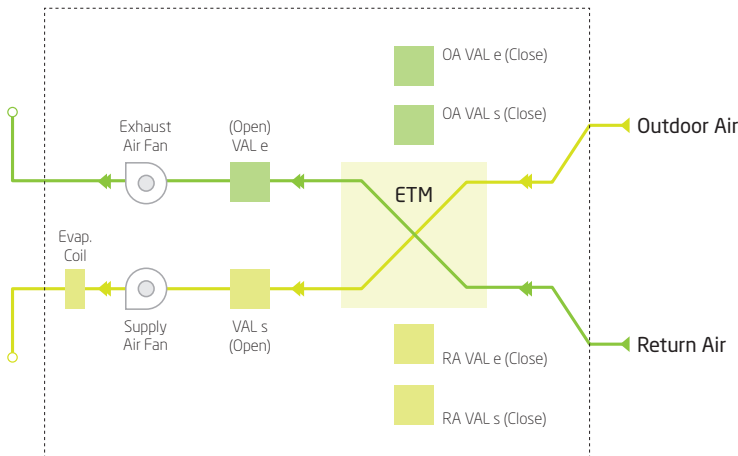
### Available Options

- Economy cycle for packaged and split models
- EC motors
- Direct drive fans or plug fans
- Variable speed drives (VSD)
- Hot gas bypass
- Recovery units can be fitted with heating or cooling coil to suit
- High static fans – upgrade to backward fans
- Compressor upgrade
- Horizontal or vertical discharge
- Can be fitted with CO2 sensors
- Can be fitted with heat exchanger for hot water heating
- Designed to be easily interfaced with BMS systems
- Return air bypass to reduce amount of fresh air to 50%

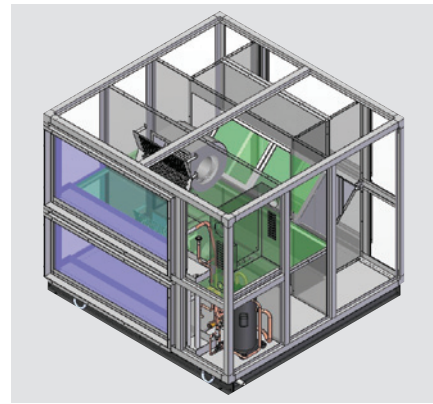
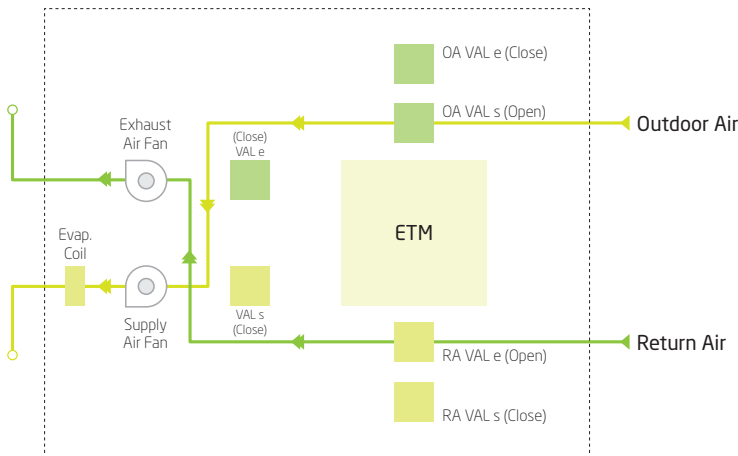


# Three operational modes provide the most energy efficient solution for all conditions

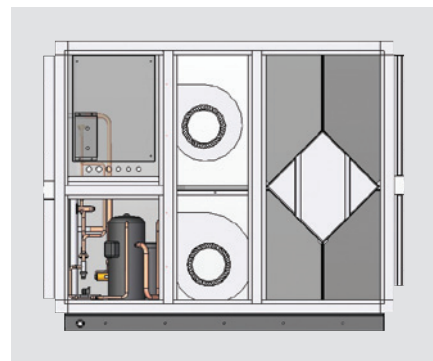
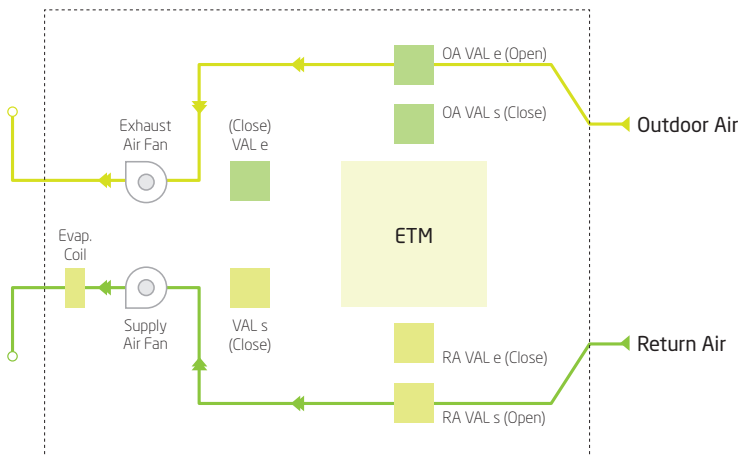
## 100% outdoor air



## Economy Cycle for free cooling (PHXE units)



## Variable outdoor air



**Note:**

- OA VAL e: Outdoor Air to Exhaust Air Bypass Dampers
- OA VAL s: Outdoor Air to Evap. Coil Bypass Dampers
- RA VAL e: Return Air to Exhaust Air Bypass Dampers
- RA VAL s: Return Air to Evap. Coil Bypass Dampers
- VAL e: Exhaust Air Dampers
- VAL s: Supply Air Dampers

When temperatures are hot or cold outside with high occupancy inside, 100% outside air passes through the heat exchanger which reduces the fresh air energy load by approximately 75% through pre-conditioning the outdoor air.

# Quick Reference Guide

## Technical Specifications

Model No.	Refrigerant Capacity (kW)		Air Flow (l/s)	Outline Dimensions	Supply Air Spigot	Return Air Spigot	Weight (kg)	Max. Current (amps/phase)	Power (Ph/V/Hz)	Electrical Input (kW)
	Cooling	Heating								
PHSX15	14.3	15.4	750	1480×1800×1750	1195×505	975×465	450	16.0	3/415/50	5.75
PHSX25	22.8	24.2	1100	1480×2200×1750	1488×505	1135×465	680	25.6	3/415/50	9.11
PHSX35	34.0	36.1	1700	2030×2500×2000	1795×630	1435×589	900	34.5	3/415/50	13.78
PHX45	42.2	44.5	2000	2030×2500×2000	1795×630	1535×589	1050	42.4	3/415/50	16.21
PHX55	53.2	55.8	2500	2150×2760×2150	1895×755	2615×715	1300	56.0	3/415/50	20.67

\*Based on Melbourne ambient including heat exchanger.

## Refrigeration Plus Heat Exchanger Performance - Total Cooling (kW)

Model No.	Adelaide	Brisbane	Canberra	Cairns	Darwin	Hobart	Melbourne	Perth	Sydney
PHSX15	26.9	27.9	18.9	31.6	32.4	15.3	18.5	21.9	21.9
PHSX25	40.9	42.5	29.5	47.8	50.5	27.6	32.1	37.0	37.0
PHSX35	61.8	64.5	44.0	72.8	77.0	41.3	48.1	55.7	56.0
PHX45	74.5	77.6	53.9	87.2	92.1	50.8	58.6	67.4	67.7
PHX55	96.5	101.3	68.3	114.4	121.0	64.5	74.8	86.7	87.6

\*Based on AIRAH design ambient conditions, 24°C (DB) / 17°C (WB) indoor conditions.

## Refrigeration Plus Heat Exchanger Performance - Total Heating (kW)

Model No.	Adelaide	Brisbane	Canberra	Cairns	Darwin	Hobart	Melbourne	Perth	Sydney
PHSX15	31.0	26.0	32.5	19.6	18.7	34.0	33.2	28.8	29.0
PHSX25	46.6	39.6	48.8	30.5	29.1	50.9	49.7	43.5	43.8
PHSX35	68.3	62.0	73.8	45.5	43.8	77.1	75.3	65.7	66.1
PHX45	82.1	74.7	88.4	55.7	53.7	92.2	90.1	79.0	79.5
PHX55	106.6	96.0	114.6	70.1	68.1	119.6	116.8	101.8	102.6

\*Based on AIRAH design ambient conditions, 21°C (DB) / 15°C (WB) indoor conditions.

# PHSX15

TECHNICAL SPECIFICATION	UNIT	VALUE
Supply Air	L/s	750
Return Air	L/s	750
Outdoor Air	L/s	750
Condenser Air	L/s	450
Exhaust Air-( RA+CA)	L/s	1200
Compressor Qty		1
Refrigerant Charge(R410a)	kg/Comp	3.0
Total Compressor Capacity	kW	14.3
<b>OUTDOOR AIR TO SUPPLY AIR</b>		
Pressure Drop Heat Exchanger	Pa	205
Pressure Drop Evaporator Coil	Pa	80
External Static Pressure Up to	Pa	200
Total Pressure on Supply Fan	Pa	485
<b>SUPPLY FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	0.75
Motor Poles		4
Motor Torque	Nm	5.4
<b>RETURN AIR TO EXHAUST AIR</b>		
Pressure Drop Heat Exchanger	Pa	205
Pressure Drop Condenser Coil	Pa	80
External Static Pressure Up to	Pa	180
Total Pressure on Exhaust Fan	Pa	465
<b>EXHAUST FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	1.0
Motor Poles		4
Motor Torque	Nm	7.2
<b>CONDENSER AIR</b>		
Fan Qty		/
Air Flow	L/s	/
Fan Speed	rpm	/
<b>COIL SIZE</b>		
Condenser Coil	mm	1200X630
Evaporator Coil	mm	1200X504
Face Velocity Coil Evap	m/s	1.24
<b>ELECTRICAL POWERING</b>		<b>415/3/50</b>
Current (MCC) (Comp)	A	15
Current (RLA) (Comp)	A	8.1
Supply Fan FLA	A	2.3
Supply Fan LRA	A	9.0
Exhaust Fan FLA	A	3.0
Exhaust Fan LRA	A	14.5
Make Up Fan FLA	A	/
Nominal Running Current	A	13.0/13.0/13.3
Full Load Amps	A	15.5/15.5/16

## General

Nominal cooling (Compressor) capacity 14.3 kW Reverse Cycle Rooftop Packaged with Single Stage Heating and Cooling.

Allow minimum 1000mm clearance from doors to ensure adequate space for proper service and maintenance.

\*PHSX15 is available for optional Built-In Economy Cycle.

## Overall Dimensions

Height: 1480mm

Width: 1800mm

Depth: 1750mm

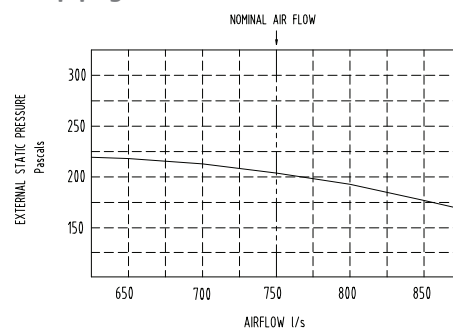
Weight: 450kg

## Sound Pressure Levels dB (A)

### Noise level @ 1m

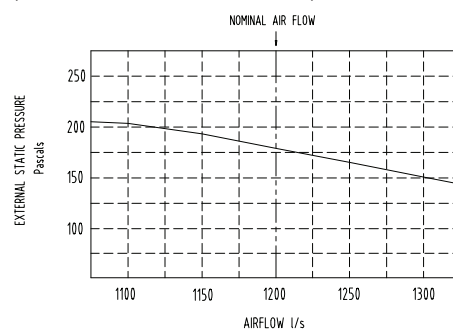
Frequency	Unit	Supply air	Return air	Exhaust air
63	Hz	73.2	54.6	63.5
125	Hz	73.2	56.7	66.6
250	Hz	74.2	62.5	71.2
500	Hz	71.2	64.9	72.8
1000	Hz	68.2	62.4	71.5
2000	Hz	64.2	58.8	68.1
4000	Hz	62.2	55.2	64.7
8000	Hz	57.2	48.7	60.9

## Supply Fan Curve



## Exhaust Fan Curve

(Condenser and Return Air Fan)



# PHSX25

TECHNICAL SPECIFICATION	UNIT	VALUE
Supply Air	L/s	1100
Return Air	L/s	1100
Outdoor Air	L/s	1100
Condenser Air	L/s	600
Exhaust Air-( RA+CA)	L/s	1700
Compressor Qty		1
Refrigerant Charge(R410a)	kg/Comp	4.8
Total Compressor Capacity	kW	22.8
<b>OUTDOOR AIR TO SUPPLY AIR</b>		
Pressure Drop Heat Exchanger	Pa	207
Pressure Drop Evaporator Coil	Pa	100
External Static Pressure Up to	Pa	200
Total Pressure on Supply Fan	Pa	407
<b>SUPPLY FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	2*0.45
Motor Poles		4
Motor Torque	Nm	3.2
<b>RETURN AIR TO EXHAUST AIR</b>		
Pressure Drop Heat Exchanger	Pa	207
Pressure Drop Condenser Coil	Pa	100
External Static Pressure Up to	Pa	180
Total Pressure on Exhaust Fan	Pa	487
<b>EXHAUST FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	2*1.1
Motor Poles		4
Motor Torque	Nm	8.0
<b>CONDENSER AIR</b>		
Fan Qty		/
Air Flow	L/s	/
Fan Speed	rpm	/
<b>COIL SIZE</b>		
Condenser Coil	mm	1500X630
Evaporator Coil	mm	1500X504
Face Velocity Coil Evap	m/s	1.46
<b>ELECTRICAL POWERING</b>		<b>415/3/50</b>
Current (MCC) (Comp)	A	23
Current (RLA) (Comp)	A	12.3
Supply Fan FLA	A	2*1.35
Supply Fan LRA	A	6.7
Exhaust Fan FLA	A	2*3.2
Exhaust Fan LRA	A	14.5
Make Up Fan FLA	A	/
Nominal Running Current	A	21/21/21.2
Full Load Amps	A	24.8/24.8/25.2

## General

Nominal cooling (Compressor) capacity 22.8 kW Reverse Cycle Rooftop Packaged with Single Stage Heating and Cooling.

Allow minimum 1000mm clearance from doors to ensure adequate space for proper service and maintenance.

\*PHSX25 is available for optional Built-In Economy Cycle.

## Overall Dimensions

Height: 1480mm

Width: 2200mm

Depth: 1750mm

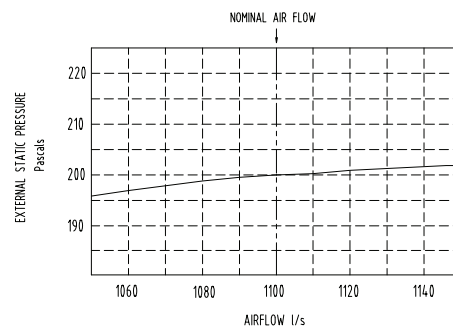
Weight: 680kg

## Sound Pressure Levels dB (A)

### Noise level @ 1m

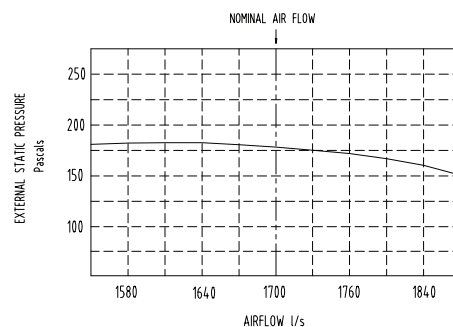
Frequency	Unit	Supply air	Return air	Exhaust air
63	Hz	81.0	54.6	61.5
125	Hz	81.0	56.7	67.6
250	Hz	75.2	65.1	70.2
500	Hz	72.1	65.1	74.8
1000	Hz	68.5	62.4	70.6
2000	Hz	58.8	59.8	68.1
4000	Hz	53.8	55.2	64.7
8000	Hz	51.8	50.5	60.9

## Supply Fan Curve



## Exhaust Fan Curve

(Condenser and Return Air Fan)



# PHSX35

TECHNICAL SPECIFICATION	UNIT	VALUE
Supply Air	L/s	1700
Return Air	L/s	1700
Outdoor Air	L/s	1700
Make Up Air	L/s	1000
Exhaust Air-( RA+MA)	L/s	2700
Compressor Qty		1
Refrigerant Charge(R410a)	kg/Comp	7.2
Total Compressor Capacity	kW	34
<b>OUTDOOR AIR TO SUPPLY AIR</b>		
Pressure Drop Heat Exchanger	Pa	180
Pressure Drop Evaporator Coil	Pa	100
External Static Pressure Up to	Pa	250
Total Pressure on Supply Fan	Pa	530
<b>SUPPLY FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	2*1.0
Motor Poles		4
Motor Torque	Nm	7.2
<b>RETURN AIR TO EXHAUST AIR</b>		
Pressure Drop Heat Exchanger	Pa	180
Pressure Drop Condenser Coil	Pa	80
External Static Pressure Up to	Pa	250
Total Pressure on Exhaust Fan	Pa	510
<b>EXHAUST FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	2*1.0
Motor Poles		4
Motor Torque	Nm	7.2
<b>CONDENSER AIR</b>		
Fan Qty		2
Air Flow	L/s	1000
Fan Speed	rpm	1310
<b>COIL SIZE</b>		
Condenser Coil	mm	1800X1008
Evaporator Coil	mm	1800X630
Face Velocity Coil Evap	m/s	1.5
<b>ELECTRICAL POWERING</b>		<b>415/3/50</b>
Current (MCC) (Comp)	A	29
Current (RLA) (Comp)	A	18.3
Supply Fan FLA	A	2*3.0
Supply Fan LRA	A	2*14.5
Exhaust Fan FLA	A	2*3.0
Exhaust Fan LRA	A	2*14.5
Make Up Fan FLA	A	2*1.1
Nominal Running Current	A	32/32/31.8
Full Load Amps	A	33.2/33.2/34.5

## General

Nominal cooling (Compressor) capacity 34 kW Reverse Cycle Rooftop Packaged with Single Stage Heating and Cooling.

Allow minimum 1000mm clearance from doors to ensure adequate space for proper service and maintenance.

\*PHSX35 is available for optional Built-In Economy Cycle.

## Overall Dimensions

Height: 2030mm

Width: 2500mm

Depth: 2000mm

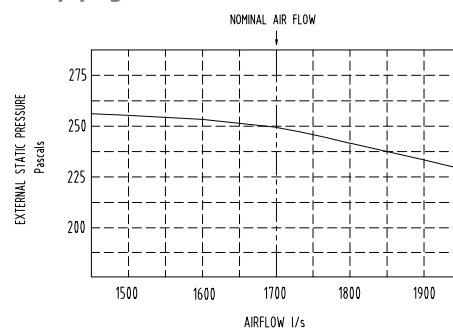
Weight: 900kg

## Sound Pressure Levels dB (A)

### Noise level @ 1m

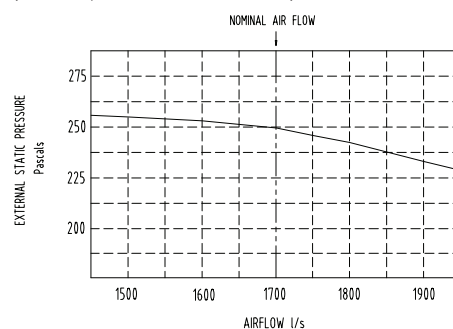
Frequency	Unit	Supply air	Return air	Exhaust air
63	Hz	83.2	56.6	63.2
125	Hz	80.2	56.6	67.6
250	Hz	80.2	63.1	69.5
500	Hz	76.2	60.9	72.8
1000	Hz	73.2	64.4	70.6
2000	Hz	70.2	59.8	68.1
4000	Hz	67.5	55.2	62.7
8000	Hz	62.1	49.6	60.1

## Supply Fan Curve



## Exhaust Fan Curve

(Make Up and Return Air Fan)





# PHX45

TECHNICAL SPECIFICATION	UNIT	VALUE
Supply Air	L/s	2000
Return Air	L/s	2000
Outdoor Air	L/s	2000
Make Up Air	L/s	1500
Exhaust Air-( RA+MA)	L/s	3500
Compressor Qty		2
Refrigerant Charge(R410a)	kg/Comp	2*4.8
Total Compressor Capacity	kW	42.2
<b>OUTDOOR AIR TO SUPPLY AIR</b>		
Pressure Drop Heat Exchanger	Pa	188
Pressure Drop Evaporator Coil	Pa	80
External Static Pressure Up to	Pa	250
Total Pressure on Supply Fan	Pa	518
<b>SUPPLY FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	2*1.0
Motor Poles		4
Motor Torque	Nm	7.2
<b>RETURN AIR TO EXHAUST AIR</b>		
Pressure Drop Heat Exchanger	Pa	188
Pressure Drop Condenser Coil	Pa	100
External Static Pressure Up to	Pa	200
Total Pressure on Exhaust Fan	Pa	488
<b>EXHAUST FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	2*1.0
Motor Poles		4
Motor Torque	Nm	7.2
<b>CONDENSER AIR</b>		
Fan Qty		2
Air Flow	L/s	1500
Fan Speed	rpm	1350
<b>COIL SIZE</b>		
Condenser Coil	mm	1800X1008
Evaporator Coil	mm	1800X630
Face Velocity Coil Evap	m/s	1.76
<b>ELECTRICAL POWERING</b>		<b>415/3/50</b>
Current (MCC) (Comp)	A	2*18.8
Current (RLA) (Comp)	A	2*10.3
Supply Fan FLA	A	2*3.0
Supply Fan LRA	A	2*14.5
Exhaust Fan FLA	A	2*3.0
Exhaust Fan LRA	A	2*14.5
Make Up Fan FLA	A	2*1.6
Nominal Running Current	A	32/32/31.8
Full Load Amps	A	33.2/33.2/34.5

## General

Nominal cooling (Compressor) capacity 42.2 kW Reverse Cycle Rooftop Packaged with Dual Stage Heating and Cooling.

Allow minimum 1000mm clearance from doors to ensure adequate space for proper service and maintenance.

\*PHXE45 is available for optional Built-In Economy Cycle.

## Overall Dimensions

Height: 2030mm

Width: 2500mm

Depth: 2000mm

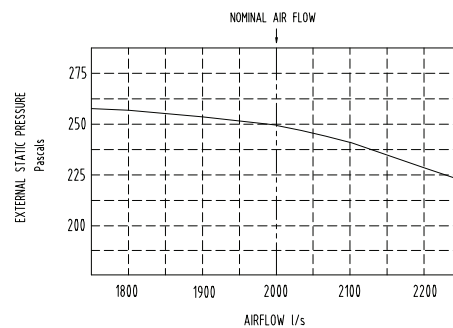
Weight: 1050kg

## Sound Pressure Levels dB (A)

### Noise level @ 1m

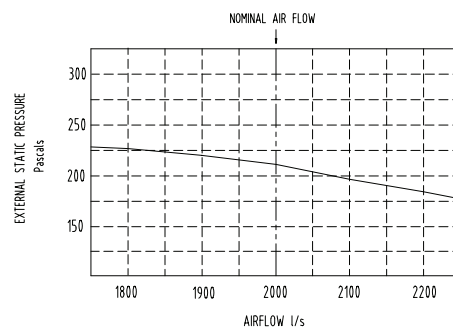
Frequency	Unit	Supply air	Return air	Exhaust air
63	Hz	83.2	54.6	61.5
125	Hz	79.0	56.7	67.6
250	Hz	75.1	63.1	71.2
500	Hz	73.5	65.9	74.8
1000	Hz	71.8	62.4	72.6
2000	Hz	67.8	59.8	68.1
4000	Hz	62.1	55.2	64.7
8000	Hz	52.5	49.6	60.9

## Supply Fan Curve



## Exhaust Fan Curve

(Make Up and Return Air Fan)



# PHX55

TECHNICAL SPECIFICATION	UNIT	VALUE
Supply Air	L/s	2500
Return Air	L/s	2500
Outdoor Air	L/s	2500
Make Up Air	L/s	1500
Exhaust Air-( RA+MA)	L/s	4000
Compressor Qty		2
Refrigerant Charge(R410a)	kg/Comp	2*5.5
Total Compressor Capacity	kW	53.2
<b>OUTDOOR AIR TO SUPPLY AIR</b>		
Pressure Drop Heat Exchanger	Pa	146
Pressure Drop Evaporator Coil	Pa	120
External Static Pressure Up to	Pa	300
Total Pressure on Supply Fan	Pa	566
<b>SUPPLY FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	2*1.5
Motor Poles		4
Motor Torque	Nm	10.9
<b>RETURN AIR TO EXHAUST AIR</b>		
Pressure Drop Heat Exchanger	Pa	146
Pressure Drop Condenser Coil	Pa	120
External Static Pressure Up to	Pa	250
Total Pressure on Exhaust Fan	Pa	516
<b>EXHAUST FAN</b>		
Fan Speed(max)	rpm	1310
Motor Power	kW	2*1.5
Motor Poles		4
Motor Torque	Nm	10.9
<b>CONDENSER AIR</b>		
Fan Qty		2
Air Flow	L/s	1500
Fan Speed	rpm	1350
<b>COIL SIZE</b>		
Condenser Coil	mm	1900X1008
Evaporator Coil	mm	1900X756
Face Velocity Coil Evap	m/s	1.74
<b>ELECTRICAL POWERING</b>		<b>415/3/50</b>
Current (MCC) (Comp)	A	2*26
Current (RLA) (Comp)	A	2*14.4
Supply Fan FLA	A	2*3.9
Supply Fan LRA	A	2*19.5
Exhaust Fan FLA	A	2*3.9
Exhaust Fan LRA	A	2*19.5
Make Up Fan FLA	A	2*1.6
Nominal Running Current	A	46.8/46.8/47.5
Full Load Amps	A	54.8/54.8/55.6

## General

Nominal cooling (Compressor) capacity 53.2 kW Reverse Cycle Rooftop Packaged with Dual Stage Heating and Cooling.

Allow minimum 1000mm clearance from doors to ensure adequate space for proper service and maintenance.

\*PHXE55 is available for optional Built-In Economy Cycle.

## Overall Dimensions

Height: 2150mm

Width: 2760mm

Depth: 2150mm

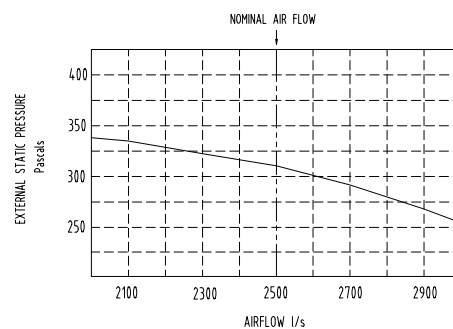
Weight: 1300kg

## Sound Pressure Levels dB (A)

### Noise level @ 1m

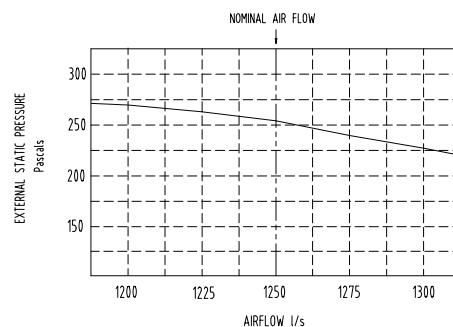
Frequency	Unit	Supply air	Return air	Exhaust air
63	Hz	84.2	56.5	68.8
125	Hz	80.5	58.5	68.2
250	Hz	78.6	63.1	71.2
500	Hz	76.2	62.1	71.2
1000	Hz	75.6	58.4	68.5
2000	Hz	70.6	56.2	65.5
4000	Hz	67.6	55.4	63.5
8000	Hz	65.6	50.2	61.2

## Supply Fan Curve

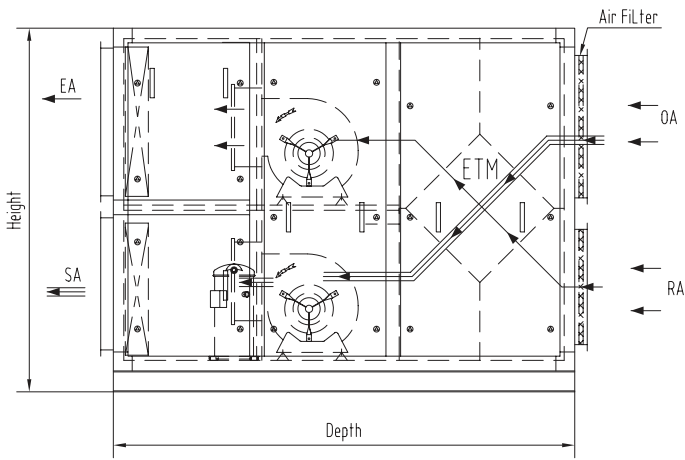


## Exhaust Fan Curve

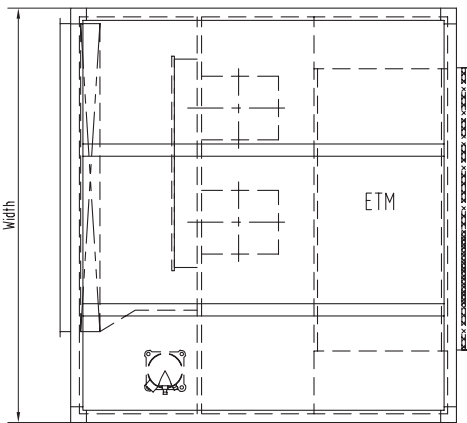
(Make Up and Return Air Fan)



### PHSX15/25



SIDE ELEVATION

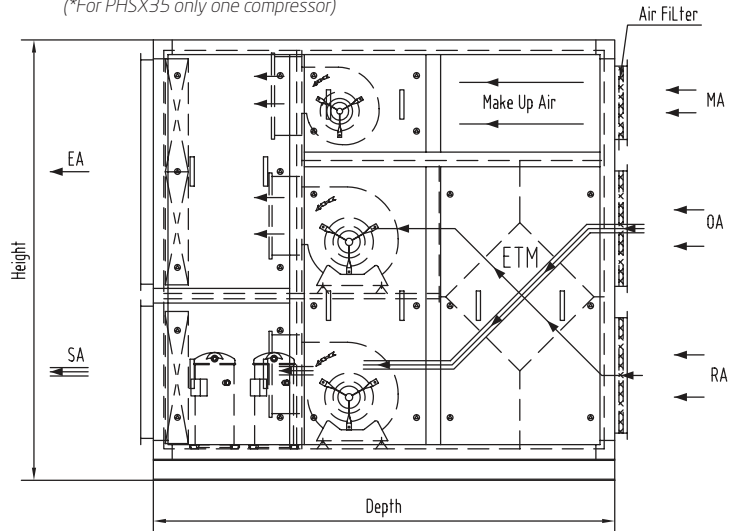


PLAN VIEW

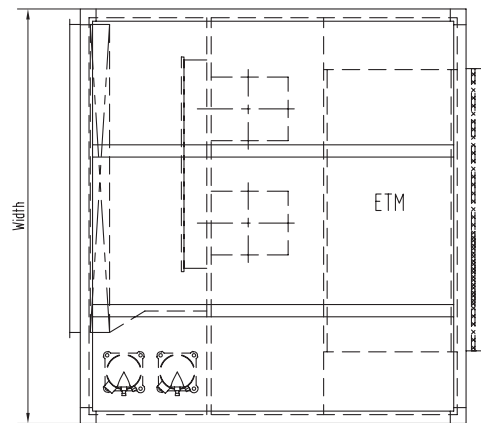
	PHSX15	PHSX25
<b>Overall Size</b>		
Width (mm)	1800	2200
Depth (mm)	1750	1750
Height (mm)	1480	1480
Weight (kg)	450	680
<b>Spigot Sizes</b>		
Return Air Spigot	975x465	1135x465
Supply Air Spigot	1195x505	1488x505
Outdoor Air Spigot	975x610	1135x610
Exhaust Air Spigot	1195x635	1488x635
Make Up Air Spigot	/	/
<b>Air Conditioning Means</b>		
Compressor	1	1
Evap. Coil	1200(FL) x504(FH)	1500(FL) x504(FH)
Cond. Coil	1200(FL) x630(FH)	1500(FL) x630(FH)

### PHSX35/PHX45/55

(\*For PHSX35 only one compressor)



SIDE ELEVATION



PLAN VIEW

	PHSX35	PHX45	PHX55
<b>Overall Size</b>			
Width (mm)	2500	2500	2760
Depth (mm)	2000	2000	2150
Height (mm)	2030	2030	2150
Weight (kg)	900	1050	1300
<b>Spigot Sizes</b>			
Return Air Spigot	1435x589	1435x589	2615x715
Supply Air Spigot	1795x630	1795x630	1895x755
Outdoor Air Spigot	1435x505	1535x505	2615x520
Exhaust Air Spigot	1795x1060	1795x1060	1895x1055
Make Up Air Spigot	1435x437	1535x437	2615x520
<b>Air Conditioning Means</b>			
Compressor	1	2	2
Evap. Coil	1800(FL) x630(FH)	1800(FL) x630(FH)	1900(FL) x756(FH)
Cond. Coil	1800(FL) x1008(FH)	1800(FL) x1008(FH)	1900(FL) x1008(FH)



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