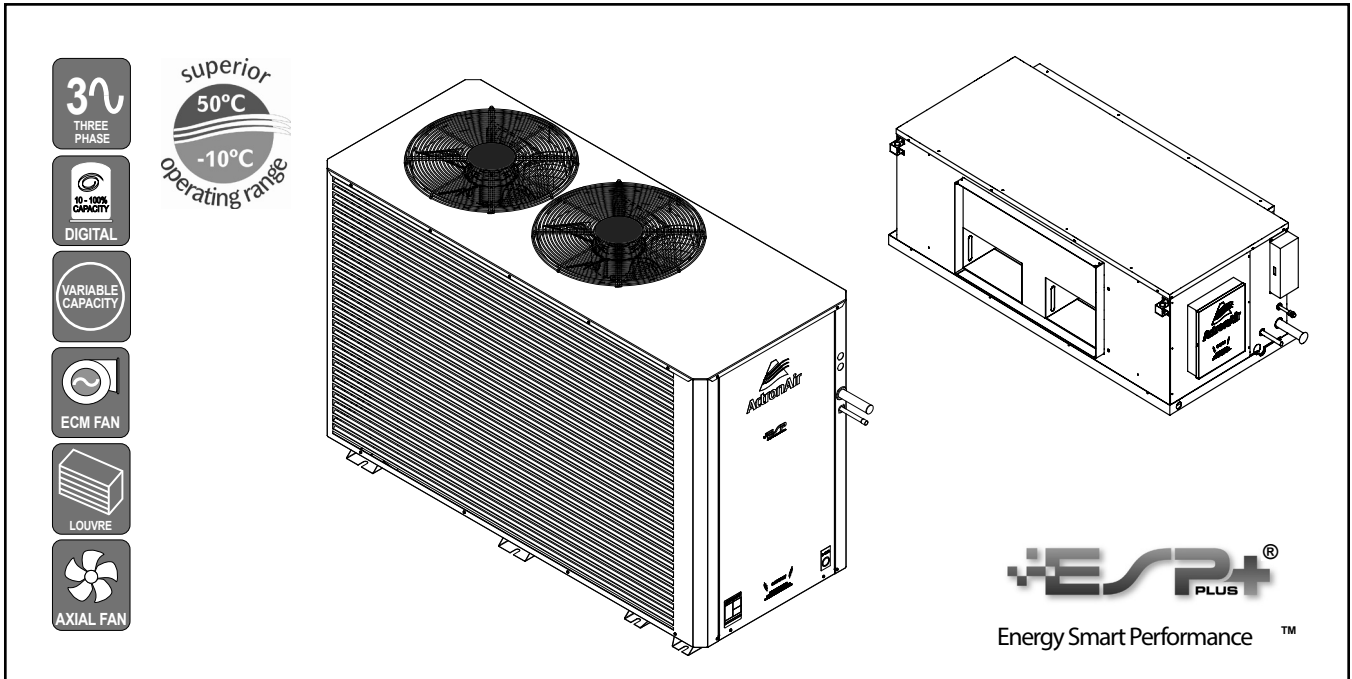


ESP PLUS SPLIT DUCTED UNIT



3 Phase  
1 Stage  
23.59 kW

UNIT FEATURES

- Digital Scroll Compressor
- 10-100% Variable Refrigeration Capacity
- ECM High Efficiency Indoor Motor
- 3 Speed + Variable Speed (20-100% Variable Indoor Fan Airflow)
- 3-Phase Soft Starter
- Multiple Speed Outdoor Fans
- Blue Epoxy Coat Coil Fin Protection - Indoor & Outdoor Coils
- Louvred Outdoor Coil Guard
- Pre-charged with R-410A Refrigerant
- Integrated Fan Coil Safety Tray
- Adaptive Demand Defrost
- Overheat Safety Protection / Anti-Freeze Protection - Indoor Coil
- 3-Phase Rotation & Loss Protection
- EXV (Electronic Expansion Valve)
- 20 m Data Cable Included
- Zone kit for control up to 8 zones
- 8Z-24V Ready up to 8 zones

CONTROL FEATURES

- 7-Day Programmable Controller with 2 Events per Day
- Auto, Heat & Cool Modes
- Auto/Continuous / ESP Indoor Fan Operation
- 3 Speed + ESP Indoor Fan Setting
- Compressor Soft Starter
- Hot Start Feature
- 24-Hr ON/OFF Timer
- Home/Building Automation ON/OFF Capability
- Self-Learn Mode
- Control up to 8 Zones
- Near field communication

UNIT / CONTROL OPTIONS

- ActronConnect Module for Wireless Control
- Remote Temperature Sensors
- Additional Full Coil Coat Protection
- LM7\* (7 Day Wall Controller)
- LM24\* (24-Hr Wall Controller)
- Secondary Wall Controller with Mimic Logic

\*Available in White or Grey

PLENUMS (Optional)

- Supply Air Plenums are Available in a 2 way or 3 way Configuration (See Accessories Section for details of Spigots availability)
- Return Air Plenums are Available with 2 x 450 mm Spigots

UNIT COMPLIANCE

- MEPS 2012 / GEMS 2012
- AS/NZS 4755.3.1 Demand Response Capabilities
- AS/NZS 60335.1 Electrical Appliance Safety-Household
- AS/NZS CISPR 14.1 EMC Compliance

SPECIFICATION SUMMARY

OUTDOOR UNIT MODEL	SRD233C	
INDOOR UNIT MODEL	SRV231E	
	<sup>(1)</sup> TOTAL	<sup>(2)</sup> NETT
<sup>(3)</sup> COOLING CAPACITY (kW)	23.59	23.00
<sup>(3)</sup> SENSIBLE CAPACITY (kW)	19.20	18.61
<sup>(4)</sup> HEATING CAPACITY (kW)	22.97	23.50
<sup>(5)</sup> COOLING INPUT POWER (kW)	6.76	
<sup>(5)</sup> HEATING INPUT POWER (kW)	6.91	
EER	3.49	3.40
COP	3.32	3.40
<sup>(6)</sup> INDOOR AIRFLOW (l/s) - MIN. / NOMINAL / MAX.	1020 / 1200 / 1440	
MINIMUM AIRFLOW WHEN IN MODULATION (l/s)	240	
OUTDOOR SOUND PRESS. LEVEL @ 3M dB(A) - LOW / HIGH	54.0 / 59.0	
OUTDOOR SOUND POWER LEVEL dB(A) -- LOW / HIGH	71.0 / 76.0	
POWER SUPPLY - OUTDOOR	400V / 3 Ph+N / 50 Hz	
POWER SUPPLY - INDOOR	230V / 1Ph+N / 50 Hz	
<sup>(2)</sup> RATED LOAD AMPS	14.0 / 4.0 / 18.0	
<sup>(7)</sup> FULL LOAD AMPS	16.2 / 4.9 / 21.1	
<sup>(8)</sup> CIRCUIT BREAKER AND CABLE AMPS	25.0	
APPROXIMATE STARTING AMPS	<45.0	
WEIGHT (kg) -- INDOOR / OUTDOOR	90 / 225	

<sup>(1)</sup> Based on unit rating excluding indoor fan kW.

<sup>(2)</sup> Measured and tested in accordance with AS/NZS 3823.1.2.

<sup>(3)</sup> At 27°C DB / 19°C WB entering air temperatures and 35°C ambient.

<sup>(4)</sup> At 20°C DB entering air temperature and 7°C DB / 6°C WB ambient.

<sup>(5)</sup> Input power includes indoor fan kW.

<sup>(6)</sup> Max. - Min. airflow application range.

<sup>(7)</sup> Full Load Amps are based on compressor and fan motors' maximum expected current.

<sup>(8)</sup> See Specifications sheet for cable size and circuit breaker size details.

Note: Use input power to estimate running cost.



# CAPACITY SELECTION DATA

# SRD233C / SRV231E

## COOLING PERFORMANCE

AIR ENTERING		TOTAL CAPACITY kW	TOTAL SENSIBLE CAPACITY - kW										
OUTDOOR DB - °C	INDOOR WB - °C		AT DB TEMPERATURE ONTO INDOOR COIL - °C										
			20	21	22	23	24	25	26	27	28	29	30
25	16	23.89	15.30	16.61	17.72	18.98	20.18	21.36	22.38				
	17	24.43	13.94	15.27	16.60	17.69	18.97	20.21	21.37	22.48	23.41		
	18	25.11	12.58	13.90	15.22	16.55	17.87	18.94	20.17	21.36	22.49	23.57	24.50
	19	25.82	11.17	12.53	13.87	15.19	16.49	17.79	18.87	20.13	21.35	22.52	23.61
	20	26.51	9.77	11.14	12.46	13.82	15.12	16.44	17.73	18.82	20.09	21.31	22.51
	21	27.25		9.71	11.06	12.43	13.75	15.07	16.38	17.70	18.75	20.05	21.29
	22	28.07			9.65	10.99	12.35	13.68	15.02	16.32	17.62	18.94	19.96
30	16	23.08	14.86	16.17	17.27	18.52	19.74	20.86	21.77				
	17	23.51	13.52	14.82	16.14	17.26	18.52	19.74	20.91				
	18	24.10	12.13	13.47	14.79	16.10	17.20	18.47	19.72	20.91	22.01	23.00	
	19	24.77	10.76	12.10	13.43	14.76	16.06	17.36	18.43	19.68	20.90	22.06	23.11
	20	25.45	9.35	10.70	12.05	13.40	14.71	16.02	17.30	18.41	19.65	20.87	22.05
	21	26.14		9.29	10.66	11.99	13.33	14.64	15.97	17.26	18.35	19.61	20.82
	22	26.92			9.23	10.60	11.95	13.27	14.61	15.90	17.20	18.28	19.54
35	16	22.18	14.36	15.68	16.78	18.03	19.19	20.31					
	17	22.35	13.03	14.33	15.65	16.76	18.00	19.23	20.36	21.27			
	18	22.96	11.65	12.98	14.30	15.62	16.72	17.97	19.21	20.38	21.45	22.39	
	19	23.59	10.29	11.61	12.96	14.27	15.59	16.67	17.95	19.20	20.39	21.51	22.47
	20	24.22	8.88	10.23	11.58	12.91	14.23	15.54	16.83	17.92	19.14	20.36	21.52
	21	24.88		8.82	10.18	11.53	12.85	14.17	15.47	16.79	17.85	19.12	20.33
	22	25.61			8.77	10.14	11.46	12.80	14.11	15.43	16.73	17.81	19.05
40	16	21.16	13.83	14.95	16.22	17.45	18.60	19.56					
	17	21.17	12.49	13.80	15.10	16.20	17.44	18.63	19.73				
	18	21.70	11.13	12.45	13.78	15.09	16.16	17.42	18.64	19.79	20.76		
	19	22.27	9.74	11.08	12.42	13.73	15.04	16.14	17.39	18.63	19.80	20.87	21.78
	20	22.82	8.34	9.69	11.06	12.37	13.70	15.00	16.11	17.36	18.58	19.79	20.93
	21	23.47		8.31	9.66	10.99	12.32	13.65	14.94	16.25	17.32	18.55	19.76
	22	24.17			8.24	9.60	10.96	12.28	13.60	14.90	16.19	17.28	18.51
45	16	20.01	13.25	14.38	15.61	16.84	17.91						
	17	20.02	11.92	13.23	14.36	15.59	16.83	17.96	18.82				
	18	20.31	10.56	11.90	13.20	14.34	15.58	16.82	18.02	19.07			
	19	20.85	9.20	10.53	11.85	13.17	14.47	15.57	16.81	18.02	19.13		
	20	21.36	7.80	9.14	10.50	11.82	13.13	14.44	15.54	16.76	17.99	19.16	
	21	22.00		7.75	9.11	10.45	11.79	13.08	14.40	15.50	16.74	17.95	19.17
	22	22.62			7.70	9.08	10.39	11.73	13.05	14.35	15.46	16.72	17.94
50	16	18.77	12.61	13.74	14.96	16.15	17.11						
	17	18.78	11.31	12.61	13.73	14.96	16.16	17.21					
	18	18.78	9.96	11.27	12.58	13.71	14.94	16.16	17.29	18.26			
	19	19.33	8.60	9.92	11.24	12.56	13.69	14.93	16.16	17.33	18.34		
	20	19.76	7.20	8.56	9.89	11.22	12.52	13.81	14.90	16.12	17.32	18.42	
	21	20.34		7.18	8.52	9.85	11.17	12.48	13.77	14.88	16.10	17.30	18.47
	22	20.91			7.13	8.46	9.80	11.13	12.44	13.73	14.85	16.06	17.29

23.59 kW  
3 Phase 1 Stage

## HEATING PERFORMANCE

WB TEMP ON OD COIL - °C	HEATING CAPACITY - kW									
	AT DB ENTERING INDOOR - °C									
	16		18		20		22		24	
	TH	IH	TH	IH	TH	IH	TH	IH	TH	IH
-10	15.21	14.60	15.13	14.52	15.04	14.44	14.94	14.34	14.84	14.25
-8	16.08	15.28	15.98	15.18	15.88	15.08	15.77	14.98	15.70	14.92
-6	16.94	15.93	16.88	15.87	16.78	15.77	16.68	15.68	16.56	15.57
-4	17.96	16.52	17.84	16.42	17.73	16.31	17.61	16.20	17.49	16.09
-2	18.97	16.88	18.85	16.77	18.71	16.66	18.57	16.53	18.44	16.41
0	20.06	17.65	19.91	17.52	19.77	17.40	19.62	17.26	19.46	17.13
2	21.09	19.19	20.93	19.04	20.77	18.90	20.60	18.75	20.44	18.60
4	22.20	22.20	22.02	22.02	21.84	21.84	21.65	21.65	21.47	21.47
6	23.35	23.35	23.16	23.16	22.97	22.97	22.76	22.76	22.56	22.56
8	24.58	24.58	24.37	24.37	24.21	24.21	24.00	24.00	23.77	23.77
10	25.96	25.96	25.72	25.72	25.48	25.48	25.24	25.24	25.00	25.00
12	27.32	27.32	27.05	27.05	26.80	26.80	26.53	26.53	26.27	26.27
14	28.72	28.72	28.44	28.44	28.16	28.16	27.87	27.87	27.59	27.59
16	30.19	30.19	29.88	29.88	29.57	29.57	29.26	29.26	28.96	28.96
18	31.71	31.71	31.37	31.37	31.04	31.04	30.71	30.71	30.38	30.38

TH - Total Heating Capacity (kW).  
IH - Integrated Heating Capacity (kW)  
Includes defrost losses.

## AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-15%	-10%	-5%	NOMINAL	+5%	+10%	+15%	+20%
INDOOR AIRFLOW (l/s)	1020	1080	1140	1200	1260	1320	1380	1440
TOTAL COOLING	0.972	0.982	0.991	1.00	1.008	1.014	1.021	1.021
SENSIBLE COOLING	0.919	0.947	0.973	1.00	1.027	1.053	1.077	1.077
HEATING FACTOR	0.991	0.994	0.997	1.00	1.002	1.004	1.006	1.006

### NOTES:

- No allowance has been made for the effect of indoor fan motor.
- Selection tables are based on nominal airflows. Correction factors must be applied for selection away from these conditions.

## PIPE LENGTH CORRECTION MULTIPLIER

	5 m	10 m	20 m	30 m	40 m	50 m	60 m
COOLING	1.000	0.997	0.990	0.985	0.978	0.972	0.965
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

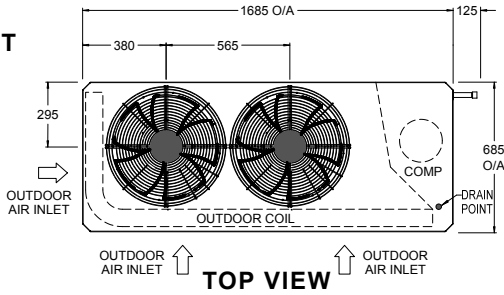
Correction multipliers are based on horizontal pipe runs.



# DIMENSIONS AND FAN CURVE

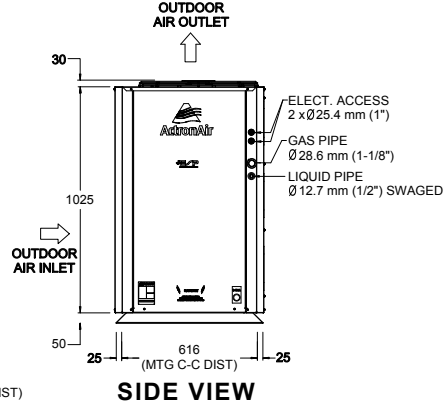
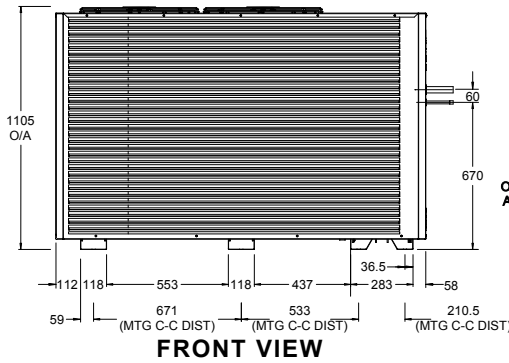
# SRD233C / SRV231E

## OUTDOOR UNIT SRD233C

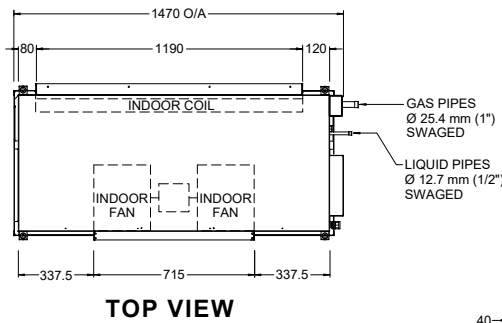


OVERALL NOMINAL DIMENSION (H x W x L)  
= 1105 x 1685 x 685  
USE M12 BOLT FOR FEET MOUNTING

PLEASE NOTE THAT UNDER ALL CIRCUMSTANCES, CONDENSER AIR MUST NOT RECIRCULATE BACK ONTO CONDENSER COIL. KEEP ALL CLEARANCES FREE OF ANY OBSTRUCTIONS.

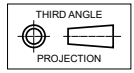


## INDOOR UNIT SRV231E

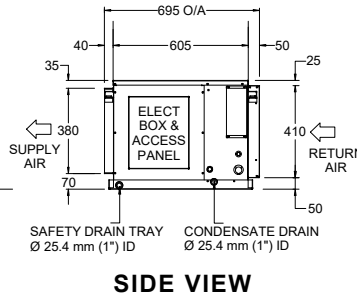
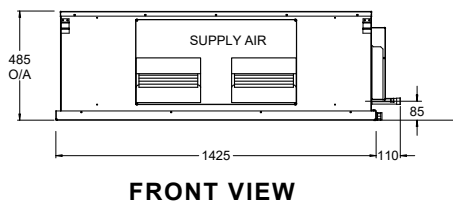


**NOTES:**

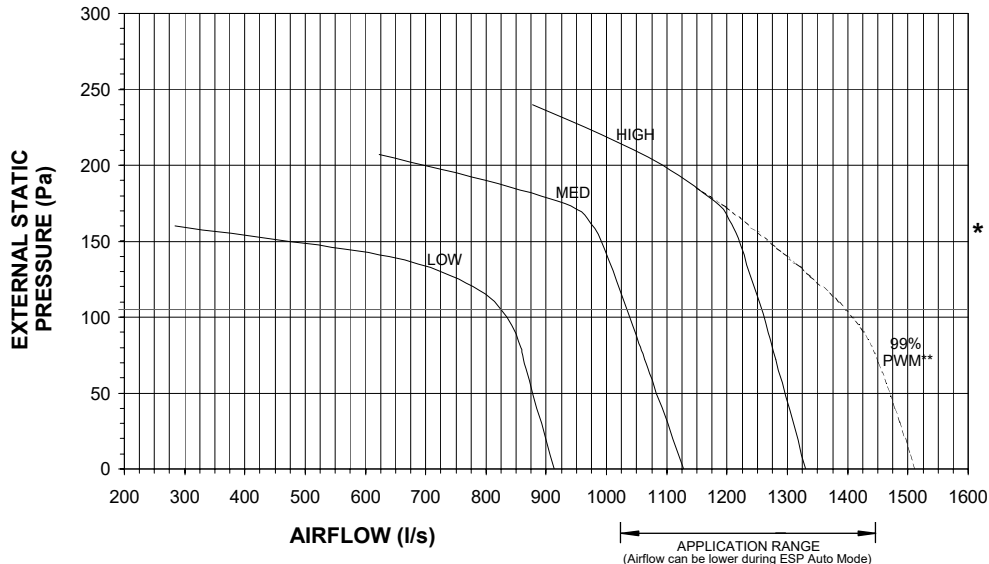
- All dimensions are in mm unless specified.
- Do not scale drawing.
- Refer Pipe Connection Details on Specifications Sheet.
- Additional Full Coil Coat Protection option available on all units.



OVERALL NOMINAL DIMENSION (H x W x L)  
= 485 x 1470 x 695  
SUPPLY DUCT (H x W) = 380 x 715  
RETURN DUCT = 410 x 1190  
USE M12 BOLT FOR FEET MOUNTING



## INDOOR UNIT FAN CURVE \*



\* Performance Fan Curve shown is at Dry Coil Condition for 9x7 - 1hp EC Fan.

3 Phase  
1 Stage  
23.59 KW



**Outdoor Radiated**

**Sound Power Level (SWL)**

Fan Speed	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
		125	250	500	1k	2k	4k	8k
Low	71.0	72.1	69.5	66.9	65.1	62.2	56.0	50.1
High	76.0	77.8	74.6	72.4	69.7	66.9	59.8	57.4

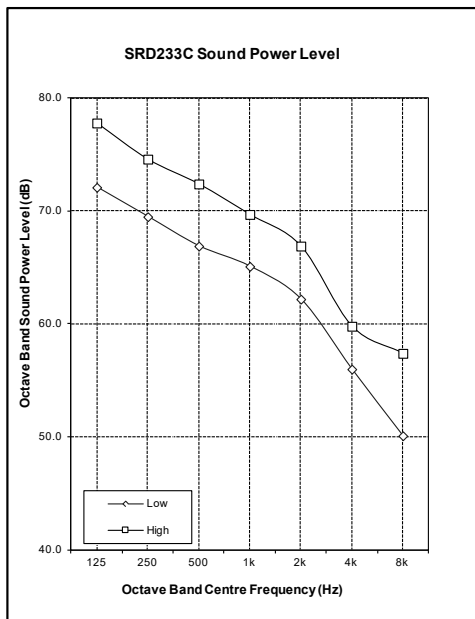
**Indoor Outlet**

**Sound Power Level (SWL)**

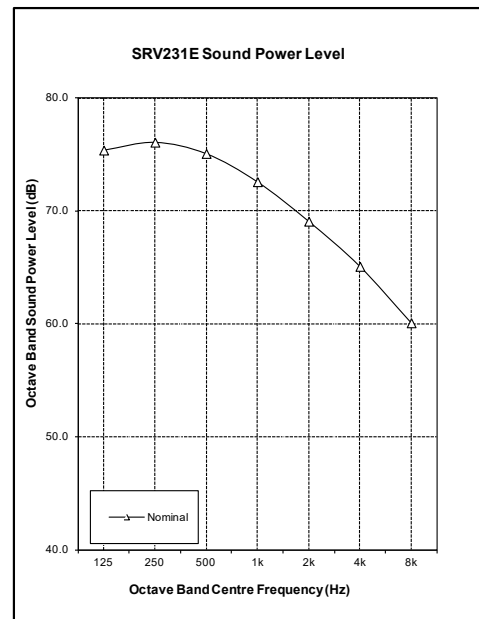
Airflow Setting	Airflow Li/s	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
			125	250	500	1k	2k	4k	8k
Nominal	1200	77.5	75.4	76.1	75.1	72.6	69.1	65.1	60.1

**23.59 kW**  
**3 Phase 1 Stage**

**OUTDOOR RADIATED**



**INDOOR OUTLET**



**NOTES:**

Radiated sound power levels are based on ISO 3743-1.



# SPECIFICATIONS

# SRD233C / SRV231E

## CONSTRUCTION

CABINET (Indoor Unit)	0.5 - 1.2 mm Galvanized Steel
CABINET (Outdoor Unit)	0.9 - 1.2 mm Zinc & Galv. Steel
SURFACE FINISH (Outdoor Unit)	65 $\mu$ Baked Polyester Powder Coat

## INSULATION (Indoor Unit)

TYPE	10 mm Foil Faced Polyethylene 12 mm Expanded Polystyrene
------	---

## ELECTRICAL

### OUTDOOR UNIT

Power Supply - 50 Hz	400 Volts x 3 Phase + N
Voltage Range (min. - max.)	380 V - 440 V
Full Load Amps*	16.2
Rated Load Amps**	14.0
Approximate Starting Amps	<45.0
IP Rating	IP44

### INDOOR UNIT

Power Supply - 50 Hz	230 Volts x 1 Phase + N
Voltage Range (min. - max.)	216 V - 253 V
Full Load Amps*	4.9
IP Rating	IP20

### OUTDOOR & INDOOR UNIT (TOTAL)

Full Load Amps* - Phase 1	21.1
Full Load Amps* - Phase 2 & 3	13.6 & 14.3
Rated Load Amps**	18.0

IMPORTANT - The local electricity authority may require limits on starting current and voltage drop, please check prior to purchase.

- \* Full Load Amps are based on Compressor and Fan Motor's maximum expected current.
- \*\* Rated Load Amps are measured and tested in accordance with AS/NZS3823.1.2.

## CABLE SIZE & CIRCUIT BREAKER SIZE

Suggested minimum cable size should be used as a guide only, refer to AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.

Cable Size (main line)	4.0 mm <sup>2</sup> (SUGGESTED MINIMUM)
Cable Size (indoor to outdoor wire)	1.0 mm <sup>2</sup> (SUGGESTED MINIMUM)
Circuit Breaker Size	25.0 Amps

## OUTDOOR COIL

TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Wave
FACE AREA (m sqr)	2.01
FIN SPACING (per m)	472
COIL COATING	Blue Epoxy Coat Coil Fin Protection
ROWS	---

## OUTDOOR FAN

NUMBER OF FANS x TYPE	2 x Axial
NUMBER OF BLADES PER FAN	5
DIAMETER (mm)	500
OUTPUT (kW)	0.27
MOTOR TYPE / DRIVE TYPE	6 Pole External Rotor / Direct
FAN SPEED CONTROL	2 Speed via Capacitor

The standard type outdoor fans fitted to this unit will accept up to 5 Pa of external static resistance.

## INDOOR COIL

TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Louvre
FACE ARE (m sqr)	0.56
FIN SPACING (per m)	512
COIL COATING	Blue Epoxy Coat Coil Fin Protection
ROWS	---

## INDOOR FAN

NUMBER OF FANS x TYPE	1 x Twin Deck Centrifugal
DIAMETER / WIDTH (mm)	240 x 180
OUTPUT (kW)	0.75
MOTOR TYPE / DRIVE TYPE	ECM Variable Speed

## AIR FILTERS

All return air including fresh air must have adequate filters supplied and fitted by the installing contractor. Filters must be located in accessible location between the return air grille and the unit.  
ActronAir® does not supply or make any provisions for return air filter.

## COMPRESSOR

NUMBER PER UNIT x TYPE	1 x Digital Scroll (Hermetic)
FULL LOAD AMPS	13.9
LOCKED ROTOR AMPS	101
STARTING METHOD	Soft Starter

## REFRIGERATION SYSTEM

REFRIGERANT TYPE	R-410A
EXPANSION CONTROL	Direct Expansion Orifice / EXV
FACTORY CHARGE (grams)	10,050
PRE-CHARGE LENGTH (metres)	10
ADDITIONAL REF. CHARGE (gm/m)	100

## FILTER DRIER

CONNECTION SIZE & TYPE	12.7 mm (1/2") ODF Soldered Bi-Flow
FACTORY SUPPLIED / FITTED	No
See Installation Section for complete Filter Drier specifications.	

## INTERCONNECTING PIPE RUN

MAX. PIPE LENGTH (metres)	60
MAX. VERTICAL LENGTH (metres)	20 (Included in Max. Pipe Length)
FIELD PIPE SIZES	
Liquid Pipe	12.7 mm (1/2")
Gas Pipe	25.4 mm (1")

## PIPE CONNECTIONS

Indoor	Liquid Pipe	12.7 mm (1/2") Swaged to fit 12.7 mm (1/2") field pipe
	Gas Pipe	25.4 mm (1") Swaged to fit 25.4 mm (1") field pipe
Outdoor	Liquid Pipe	12.7 mm (1/2") Swaged to fit 12.7 mm (1/2") field pipe
	Gas Pipe	28.6 mm (1-1/8") No swage I.D. will fit 25.4 mm (1") field pipe O.D.

## CONNECTION TYPE

Solder  
Insulate both gas and liquid pipes separately.

## PROTECTION DEVICES

HIGH PRESSURE CUTOFF SWITCH	Nonadjustable (Automatic Reset)
LOW PRESSURE CUTOFF SWITCH	Nonadjustable (Automatic Reset)
COMPRESSOR MOTOR TEMP.	Internal Thermal Cut-Out
INDOOR FAN OVERLOAD	Internal Thermal Cut-Out
OUTDOOR FAN OVERLOAD	Internal Thermal Cut-Out
SUMP HEATER WATTS *	30 W during Compressor Off Cycle
* Crankcase Heater is to be disconnected for pipe lengths 8 m or less.	

## ELECTRIC CONTROLS

DEFROST METHOD	Reverse Cycle
DEFROST TYPE	Adaptive Demand Defrost
CONTROL CIRCUIT BREAKER	16.0 Amps
CONTROL FIELD WIRING	2 Core 7 / 0.30 (0.5mm <sup>2</sup> ) Twisted Shielded Data Cable

## OPERATING RANGE

It is essential that the unit is correctly sized for the application and operates within its recommended range of operating conditions as shown below.

MODE	RANGE	INDOOR AIR INTAKE TEMPERATURE	OUTDOOR AIR INTAKE TEMPERATURE
Cooling	Max.	30°C DB / 22°C WB	50°C DB
	Min.	20°C DB / 16°C WB	25°C DB
Heating	Max.	24°C DB	19.5°C DB / 18°C WB
	Min.	16°C DB	-10°C DB

3 Phase  
1 Stage

23.59 KW



# TECHNICAL SELECTION DATA

# SRD233C / SRV231E

**23.59 kW**  
**3 Phase 1 Stage**

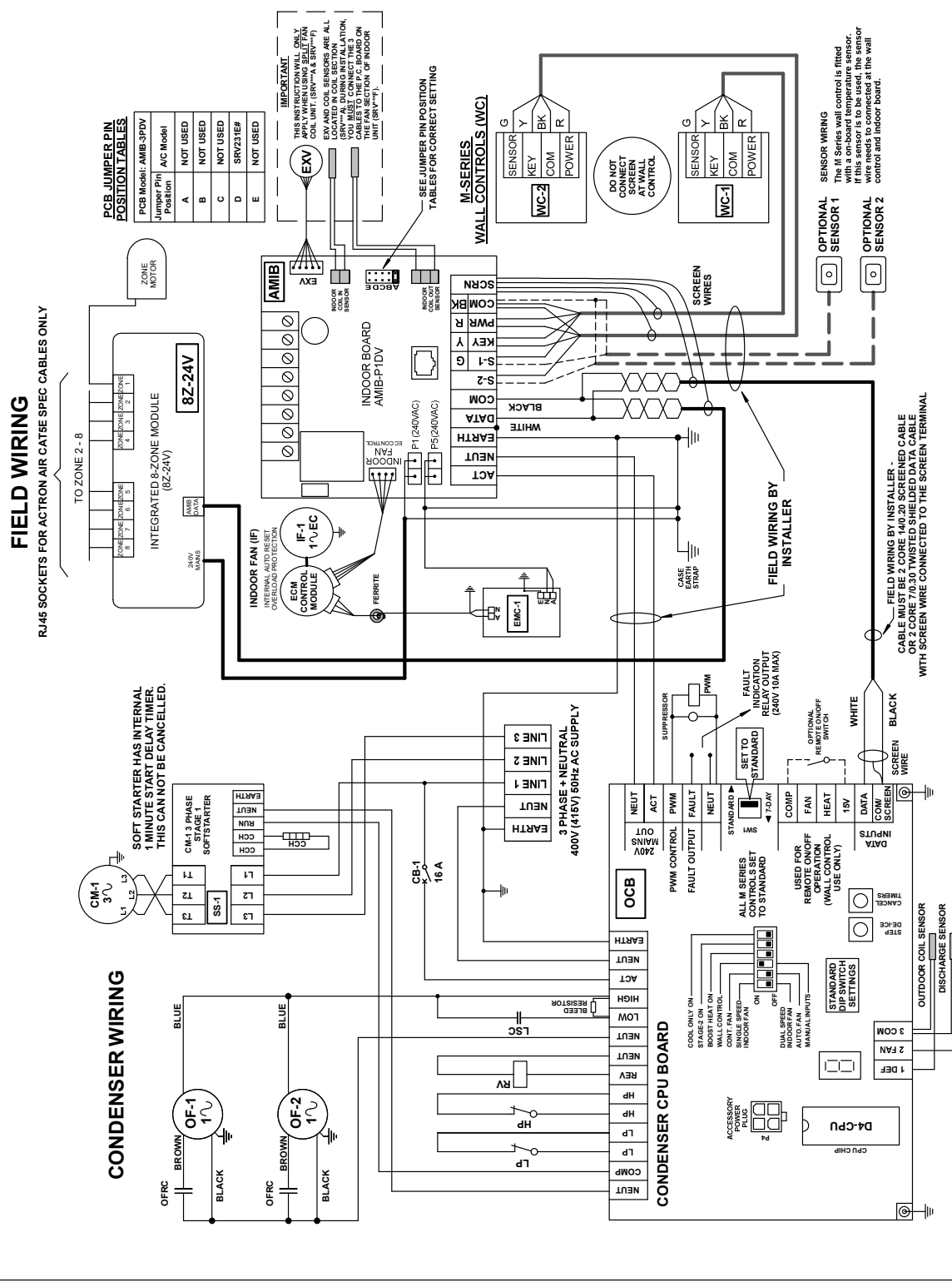
### LEGEND

8Z-24V	8 ZONE CONTROL MODULE
AMIB	INDOOR CONTROL BOARD
CB	CIRCUIT BREAKER
CCH	CRANKCASE HEATER
CM	COMPRESSOR MOTOR
EMC	EC FILTER
EXV	ELECTRONIC EXPANSION VALVE
HP	HIGH PRESSURE SWITCH
IF	INDOOR FAN MOTOR
LP	LOW PRESSURE SWITCH
LSC	LOW SPEED CAPACITOR
OF	OUTDOOR FAN MOTOR
OCB	OUTDOOR CONTROL BOARD
OFRC	OUTDOOR FAN RUN CAPACITOR
PWM	PWM VALVE
RV	REVERSING VALVE
SS	3Ø SOFT STARTER
WC	WALL CONTROLLER

**IMPORTANT NOTE:**  
DIGITAL COMPRESSOR SYSTEMS CANNOT BE OPERATED WITH MANUAL INPUTS (IE: 3RD PARTY ACTRON AIR M-SERIES WALL CONTROLS MUST BE USED WITH THESE UNITS).

### CONDENSER CAPACITORS

MODEL	OFRC	LSC
SRD233C	8 uF	30 uF



**FIELD WIRING**  
RJ45 SOCKETS FOR ACTRON AIR CAT5E SPEC CABLES ONLY

### PCB JUMPER PIN POSITION TABLES

PCB Model: AMIB-3PDV	AC Model:	Position	NOT USED
A			NOT USED
B			NOT USED
C			NOT USED
D			SRV231E/
E			NOT USED

**IMPORTANT:**  
THIS INSTRUCTION WILL ONLY APPLY TO THE COIL UNIT (SRV™A & SRV™F). EXV AND COIL SENSORS ARE ALL LOCATED IN THIS SECTION. LOCATION OF COIL SENSORS VARY BY SECTION. YOU MUST CONNECT THESE SENSORS TO THE FAN SECTION OF INDOOR UNIT (SRV™F).

SEE JUMPER PIN POSITION TABLES FOR CORRECT SETTING

**M-SERIES WALL CONTROLS (WC)**

**SENSOR WIRING**  
The M Series wall control is fitted with an on-board temperature sensor. If this sensor is to be used, the sensor wire needs to be connected at the wall control and indoor board.

**OPTIONAL SENSOR 1**  
**OPTIONAL SENSOR 2**

**FIELD WIRING BY INSTALLER -**  
CABLE MUST BE 2 CORE 140/30 SCREENED CABLE WITH SCREEN WIRE CONNECTED TO THE SCREEN TERMINAL

Base Model No: <b>SRD233C</b>		Variation Code: <b>STANDARD</b>
Description: <b>D4 DIGITAL CONTROL SYSTEM WIRING DIAGRAM WITH M-SERIES INDOOR BOARD &amp; WALL CONTROL</b>		
Drawn: <b>RL</b>	Date: <b>11-06-2019</b>	Drawing No: <b>WD0872</b>
Approved: <b>JL</b>	Date: <b>04-02-2020</b>	Revision: <b>B</b>
Size: <b>A4</b>		



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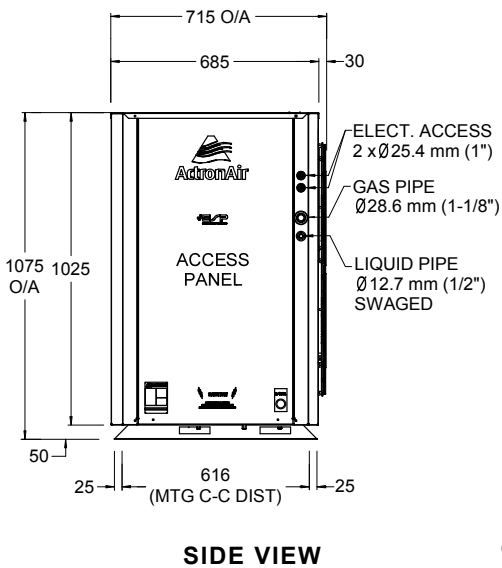
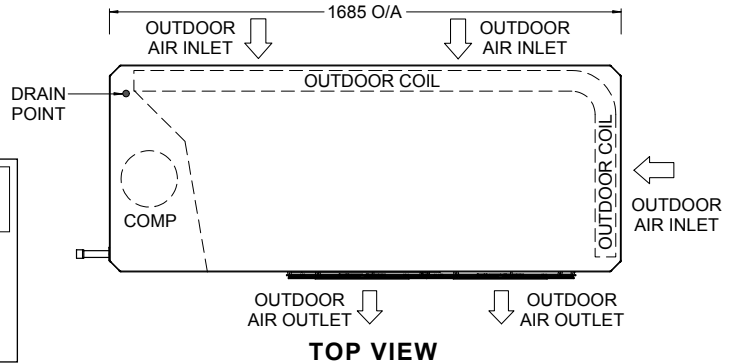
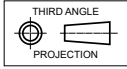
Rev. <b>A</b>	Description: <b>EXTERNAL OVERLOAD WIRING FOR OF-1 &amp; OF-2 REMOVED</b>	By: <b>PCR</b>	Date: <b>04-02-2020</b>
<b>A</b>	<b>ORIGINAL</b>		

## OUTDOOR UNIT - HORIZONTAL DISCHARGE FANS 5 Pa

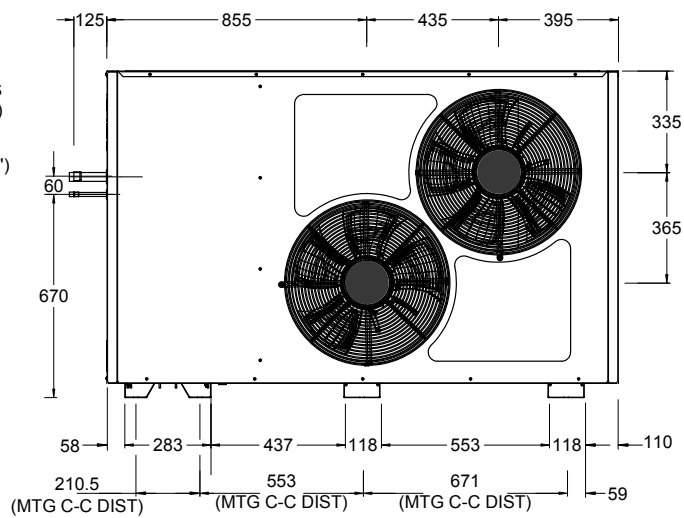
OVERALL NOMINAL DIMENSION (H x W x L)  
= 1075 x 1685 x 715  
USE M12 BOLT FOR FEET MOUNTING

**NOTES:**

1. All dimensions are in mm unless specified.
2. Do not scale drawing.
3. Additional Full Coil Coat Protection option available on all units.
4. Suggested Service Clearance and Airflow Allowances are based on conditions that the spaces are free from obstructions and walkway passage of 1000 mm is available.
5. Minimum service access areas are responsibilities of the installer.



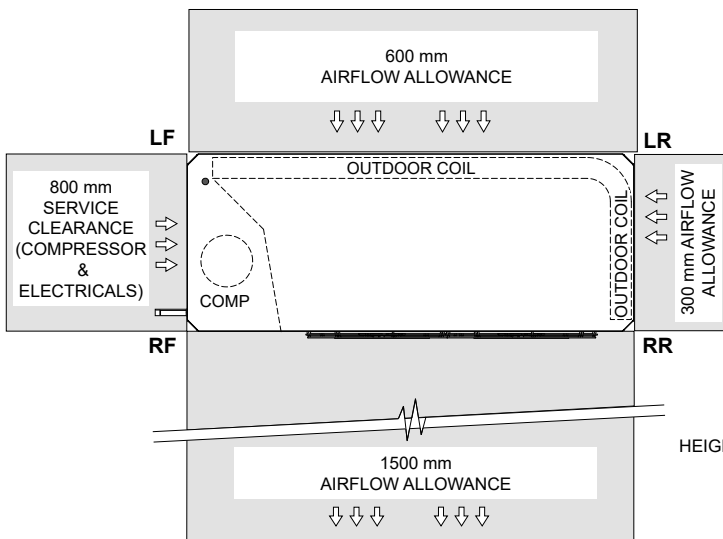
**SIDE VIEW**



**FRONT VIEW**

**23.59 KW**  
**3 Phase**  
**1 Stage**

### MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES



**TOP VIEW**

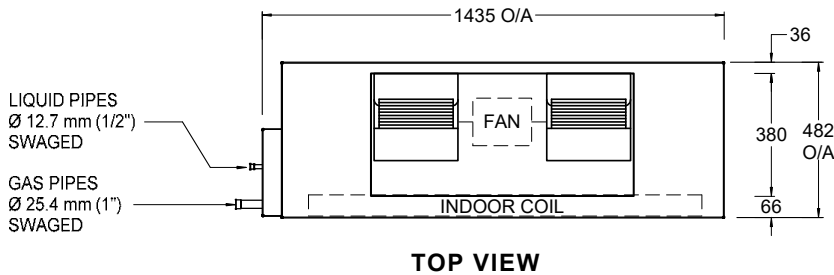
PLEASE NOTE THAT UNDER ALL CIRCUMSTANCES, CONDENSER AIR MUST NOT RECIRCULATE BACK ONTO CONDENSER COIL. KEEP ALL CLEARANCES FREE OF ANY OBSTRUCTIONS.

STACKING OF UNITS	
ONE IN FRONT OF THE OTHER (DISTANCE BET. LF & LR)	SIDE BY SIDE (DISTANCE BET. LF & RF)
600 mm	2500 mm

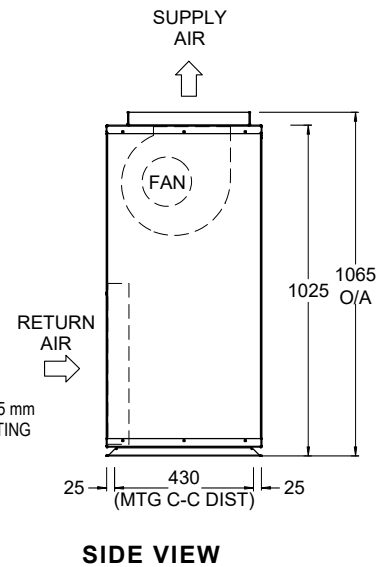
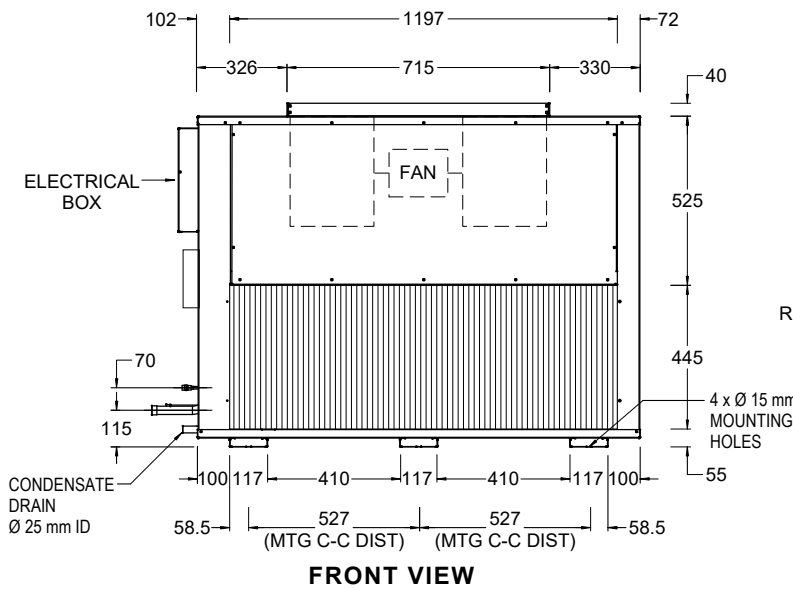
HEIGHT CLEARANCE = 450



## V INDOOR UNIT - UPRIGHT FAN COIL WITH VERTICAL DISCHARGE

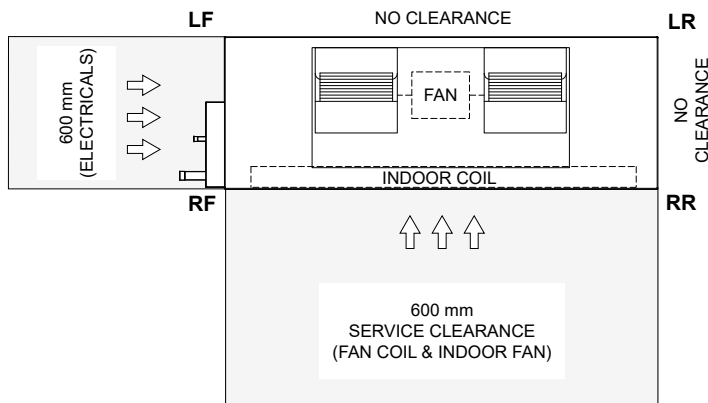


OVERALL NOMINAL DIMENSION (H x W x L)  
= 1065 x 1435 x 482  
SUPPLY DUCT (H x W) = 380 x 715  
RETURN DUCT (H x W) = 445 x 1197  
DRAIN CONNECTION = 25 mm ID



23.59 kW  
3 Phase  
1 Stage

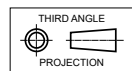
### MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES



HEIGHT CLEARANCE = DUCT WORK

#### NOTES:

1. All dimensions are in mm unless specified.
2. Do not scale drawing.
3. Refer Fan Curve to corresponding standard SRV231E model.
4. Additional Full Coil Coat Protection option available on all units.
5. Suggested Service Clearance and Airflow Allowances are based on conditions that the spaces are free from obstructions and walkway passage of 1000 mm is available.
6. Minimum service access areas are responsibilities of the installer.



#### STACKING OF UNITS

ONE IN FRONT OF THE OTHER (DISTANCE BET. LF & LR)	SIDE BY SIDE (DISTANCE BET. LF & RF)
600 mm	1000 mm