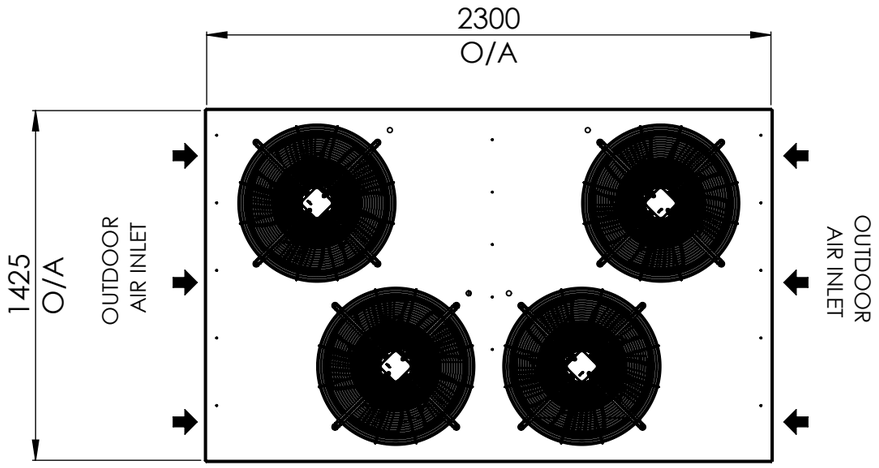
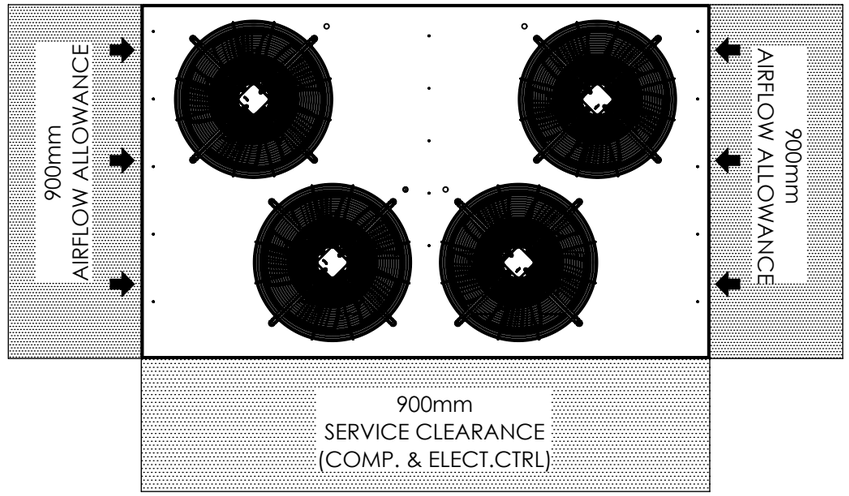


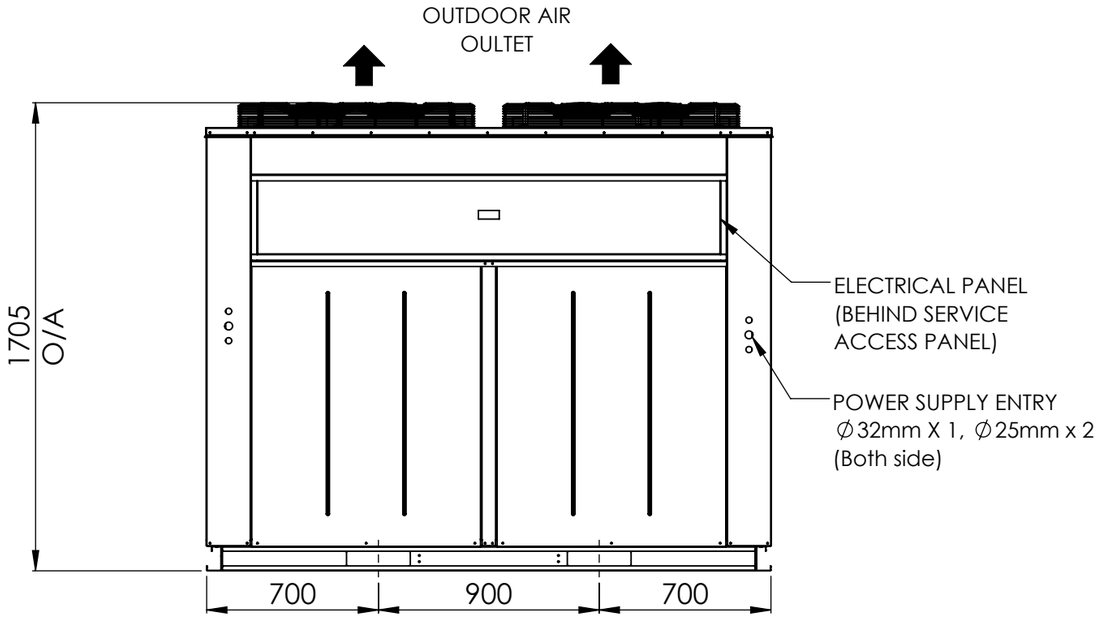
TOP VIEW



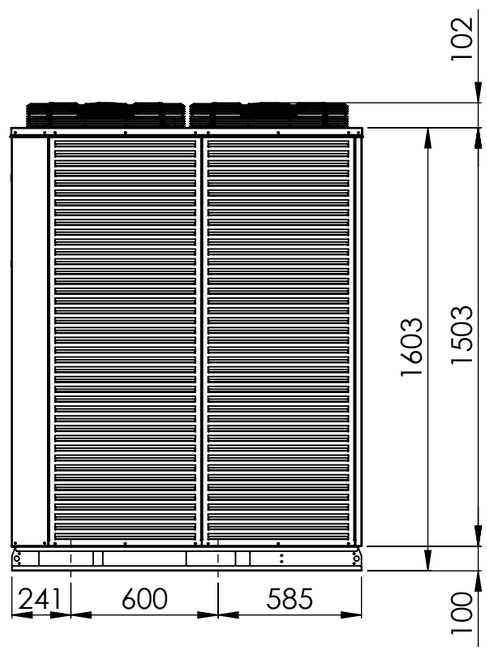
MINIMUM SERVICE ACCESS AREAS & AIRFLOW CLEARANCES

NOTES:

1. OVERALL NOMINAL DIMENSION 1705(H) x 2300(W) x 1425(L).
2. UNIT BASE 4 X ∅16 FIXING POINTS.
3. MINIMUM SERVICE AREAS ARE RESPONSIBILITIES OF THE INSTALLER.



FRONT VIEW



SIDE VIEW

A	FIRST ISSUE		ARM	04/05/23		
REV	DESCRIPTION	PCN	BY	DATE	ZONE	

DESCRIPTION : GENERAL ARRANGEMENT, S065-075OVR3SA-L-S, S064-0720VC3SA-L-S

MATERIAL : -

THICKNESS : -

FINISH : -

DRAWN BY : ARM

DRAWN DATE : 11/05/23

APPROVED BY : CM

DRAWING No. : GAD001287

REV : A

SCALE : N.T.S

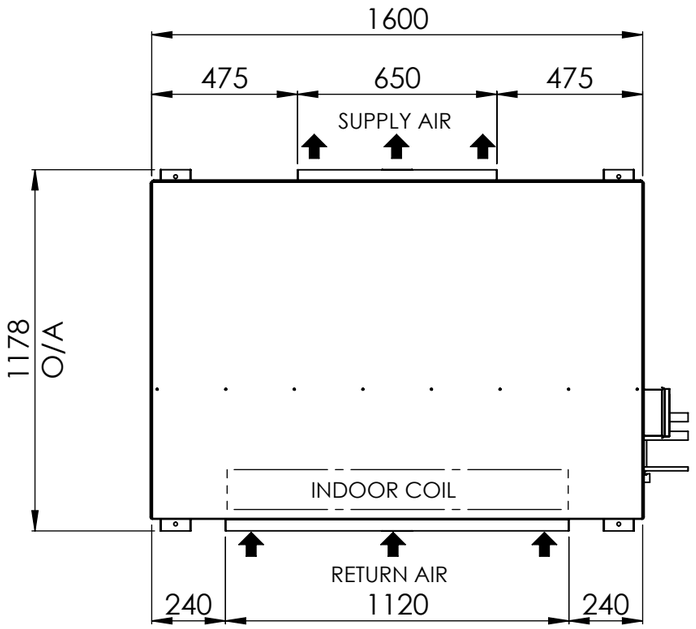
SHEET : 1 OF 1

THIRD ANGLE PROJECTION

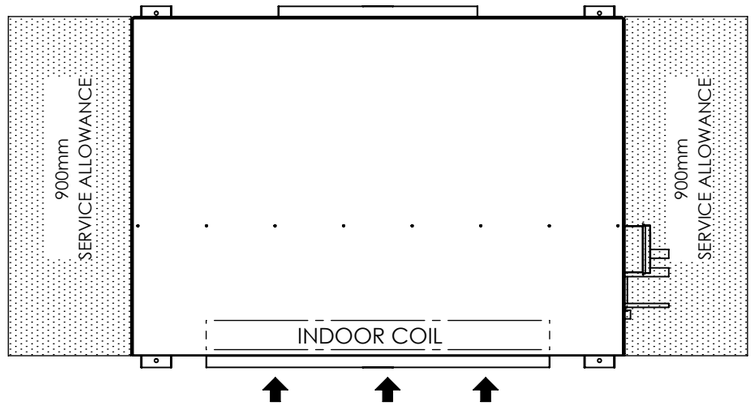
A3

TOLERANCE :
0 < LENGTH ≤ 400 ±1mm
400 < LENGTH ≤ 1000 ±2mm
1000 < LENGTH ±3mm ANGLE ±1°

NOTE :
LENGTHS IN MILLIMETRES AND ANGLES IN DEGREES UNLESS SPECIFIED OTHERWISE.



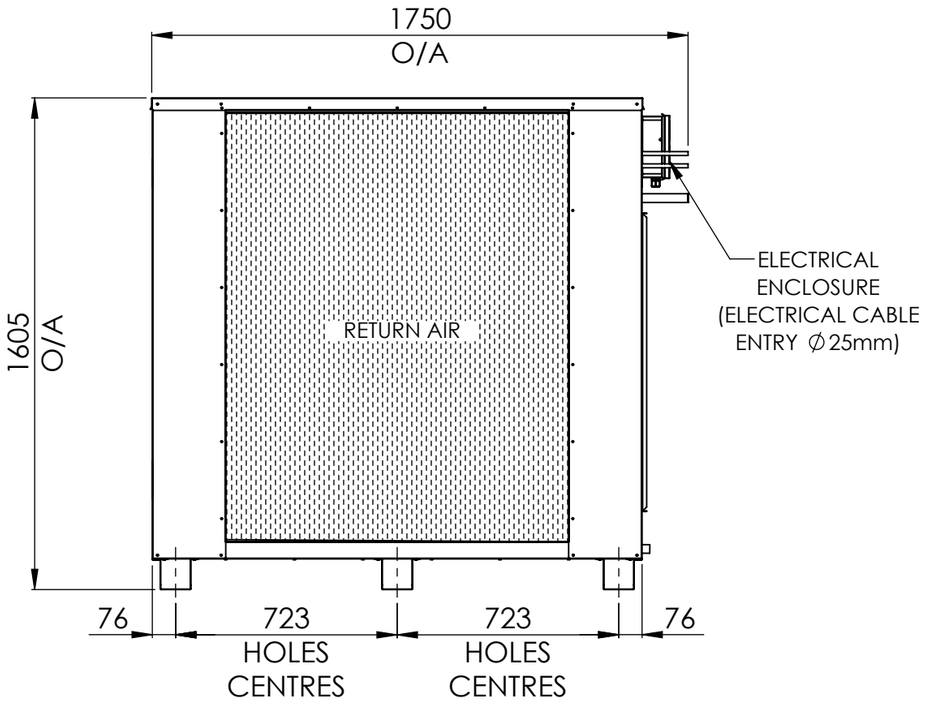
TOP VIEW



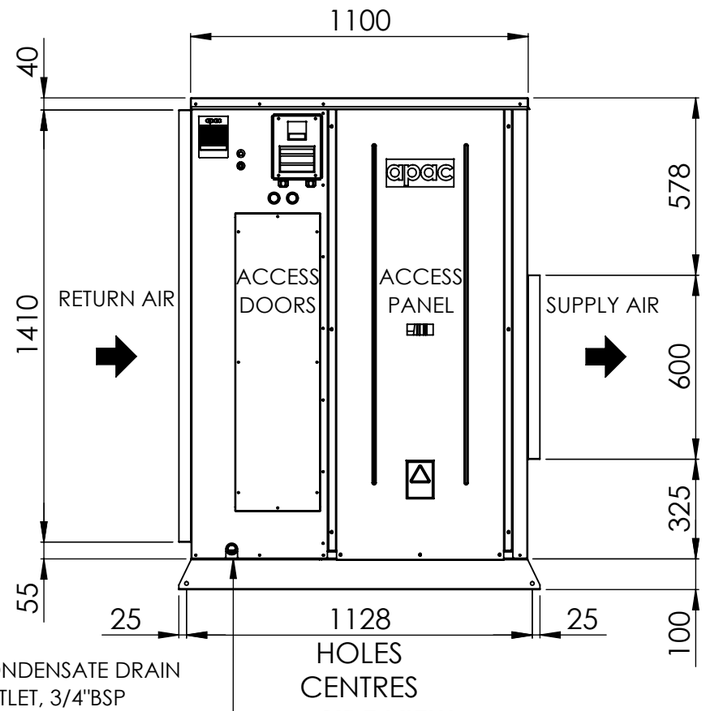
MINIMUM SERVICE ACCESS AREAS & AIRFLOW CLEARANCES

NOTES:

1. DRAWING REFLECTS A HORIZONTAL FAN COIL UNIT
2. OVERALL NOMINAL DIMENSION 1605(H) x 1750(W) x 1178(L)
3. GAS, DRAIN & ELECTRICAL CONNECTIONS ON SAME SIDE
4. MAX. M12 FASTENERS.
5. DUCTING SPECIFICATIONS:
   SUPPLY DUCT: 600(H) x 650(W)
   RETURN DUCT: 1410(H) x 1120(W)
6. REFER TO INSTALLATION AND OPERATIONAL MANUAL FOR PIPE SIZING
7. MINIMUM SERVICE AREAS ARE RESPONSIBILITIES OF THE INSTALLER



FRONT VIEW



SIDE VIEW

apac

REV	DESCRIPTION	PCN	BY	DATE	ZONE
A	FIRST ISSUE	-	HLM	11/05/23	N/A

TOLERANCE :
0 < LENGTH ≤ 400 ± 1mm
400 < LENGTH ≤ 1000 ± 2mm
1000 < LENGTH ± 3mm ANGLE ±1°

NOTE :
LENGTHS IN MILLIMETRES AND ANGLES IN DEGREES UNLESS SPECIFIED OTHERWISE.

DESCRIPTION :
GENERAL ARRANGEMENT,
S065-075IHR3SA-F-S, S064-72IHC3SA-F-S

MATERIAL :	THICKNESS :	FINISH :
-	-	-

DRAWN BY :	DRAWN DATE :	APPROVED BY :
HALIM	11/05/23	CM

DRAWING No. : GAD001290

REV : A

SCALE : N.T.S

SHEET : 1 OF 1 THIRD ANGLE PROJECTION

A3

TECHNICAL DATA SHEET

MODEL NUMBER		**Indoor**	**S054IHC3SA-F-S**	**S064IHC3SA-F-S**	**S072IHC3SA-F-S**	**S084IHC3SA-F-S**	**S092IHC3SA-F-S**
		Outdoor	**S054OVC3SA-H-S**	**S064OVC3SA-H-S**	**S072OVC3SA-H-S**	**S084OVC3SA-H-S**	**S092OVC3SA-H-S**
OUTDOOR SECTION	**CAPACITY**						
	Cooling	kW TOTAL*	56.10	63.50	75.50	84.10	94.10
		kW SENSIBLE*	43.76	51.44	58.89	66.44	74.34
		EER (kW / ikW)*	3.24	3.31	3.58	3.49	3.16
	CAPACITY STEPS (%)		0/50/100	0/50/100	0/50/100	0/50/100	0/50/100
	COMPRESSOR						
	TYPE		SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
	STARTER TYPE		D.O.L (Opt Soft/Start)	D.O.L (Opt Soft/Start)	D.O.L (Opt Soft/Start)	D.O.L (Opt Soft/Start)	D.O.L (Opt Soft/Start)
	PHASE		3∅	3∅	3∅	3∅	3∅
	No. OFF		2	2	2	2	2
	PROTECTION DEVICES		HP SWITCH, LP SWITCH, INTERNAL THERMAL CUTOUT				
	ALL COMPRESSORS HAVE		SUMP HEATER				
	FAN						
	TYPE		AXIAL	AXIAL	AXIAL	AXIAL	AXIAL
	ikW (MAX INPUT)		0.39	0.39	0.39	0.39	0.39
	PHASE		1∅	1∅	1∅	1∅	1∅
	No. OFF		4	4	4	4	4
	FAN SPEED CONTROL		2 SPEED VIA CAPACITOR	2 SPEED VIA CAPACITOR	2 SPEED VIA CAPACITOR	2 SPEED VIA CAPACITOR	2 SPEED VIA CAPACITOR
	HEAT EXCHANGER						
	TYPE		ALU / CU COIL	ALU / CU COIL	ALU / CU COIL	ALU / CU COIL	ALU / CU COIL
	NOM. AIRFLOW l/s		-	-	-	-	-
	REFRIGERANT SYSTEM						
	TYPE		**R410A**				
	FACTORY CHARGE PER CIRCUIT (KG)		5.75	6.75	9.5	11	10.8
	No. OF CIRCUITS		2	2	2	2	2
	REFRIGERANT CONTROL		TXV				
	DIMENSIONS						
	H X W X D (mm)		1625 x 2300 x 1540	1828 x 2300 x 1540		2031 x 2300 x 1540	
	WEIGHT						
	OPERATING KG		527	612	647	738	740
	SHIPPING KG		577	662	697	788	790
	ELECTRICAL						
	POWER SUPPLY		415v / 3Φ / 50hz				
	FLA / RLA (Amps)		43.5 / 34.1	50.3 / 39.3	57.1 / 41	69.1 / 44.7	75.1 / 56.8
INDOOR SECTION	**FAN**						
	TYPE		EC PLUG	EC PLUG	EC PLUG	EC PLUG	EC PLUG
	ikW (MAX INPUT)		3.35	1.32	1.32	3.35	3.35
	PHASE		3∅	3∅	3∅	3∅	3∅
	No. OFF		1	2	2	2	2
	FAN SPEED CONTROL		VARIABLE SPEED	VARIABLE SPEED	VARIABLE SPEED	VARIABLE SPEED	VARIABLE SPEED
	HEAT EXCHANGER						
	TYPE		ALU / CU COIL	ALU / CU COIL	ALU / CU COIL	ALU / CU COIL	ALU / CU COIL
	NOM. AIRFLOW l/s		2880	3550	3750	4400	4930
	EXT STATIC pa		100				
	DIMENSIONS						
	H X W X D (mm)		1523 x 2076 x 1218	1728 x 2076 x 1218		1928 x 2076 x 1218	
	WEIGHT						
	OPERATING KG		290	340	340	461	461
	SHIPPING KG		295	345	345	466	466
	ELECTRICAL						
	POWER SUPPLY		415v / 3Φ / 50hz				
	FLA / RLA (Amps)		5.2 / 2.7	4.2 / 2.9	4.2 / 2.9	10.4 / 3.4	10.4 / 3.8
COMBINED SECTIONS	**ELECTRICAL**						
	H.P. CUT OUT / IN kPa		4500 / 3450	4500 / 3450	4500 / 3450	4500 / 3450	4500 / 3450
	L.P. CUT OUT / IN kPa		175 / 345	175 / 345	175 / 345	175 / 345	175 / 345
	NOM. R.L.A. (TOTAL SYSTEM)		36.87	42.18	43.90	48.02	60.60
	MAX. F.L.A. (TOTAL SYSTEM)		48.72	54.52	61.32	79.52	85.52
	GENERAL						
	CABINET		GALVANISED SHEET STEEL				
	INSULATION		25MM ALUMINIUM FOIL FACED POLYETHYLENE ACOUSTIC INSULATION				
	EXTERNAL FINISH		POLYESTER POWDER COAT - COLOUR LIGHT GREY AS STANDARD - OPTIONS AVAILABLE				
	INDOOR AND OUTDOOR PIPE CONNECTION						
	LIQUID mm (inch)		12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")
	GAS mm (inch)		28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")
	ADDITIONAL REFRIGERATION CHARGE AND FIELD PIPING CONNECTIONS						
	REFER TO INSTALLATION AND OPERATION MANUAL						
	NOISE LEVELS [Based on condenser fan's sound data]						
	SOUND POWER db(A)		66.8	70.3	69.5	70	70

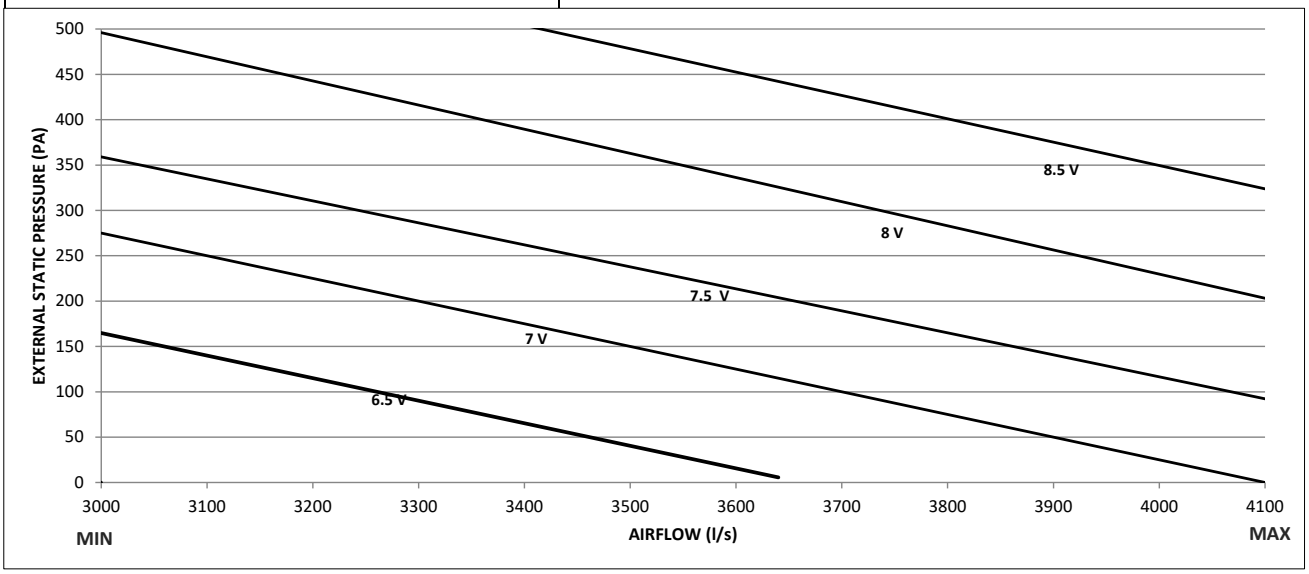
Note: **Rated in accordance with AHRI 210/240 or 340/360**
Performance excludes ikW of indoor fan motor
R.L.A - Run Load Amps are based on current drawn at nominal conditions
F.L.A - Full Load Amps are based on the overload settings [Max Current] of all Compressor and Fan Motor(s)

Date	Document #	Approved By	Revision
26/3/23	TDS001398	AY	B

NOTE: Due to continuous improvement Rinnai reserve the right to change details without notice.

FAN PERFORMANCE CURVE

S064-065IHR(C)3SA-F-S



Note:

1. 5.5V, 6.5V, 7V 7.5V, 8V and 8.5V represents potentiometer voltage. Potentiometer can be adjusted to achieve desired flowrates.
2. Potentiometer voltage can be varied infinitely beween 0 to 10V.

Date	Document #	Approved By	Revision
18/5/23	FPD001345	CM	A

NOTE: Due to continuous improvement Rinnai reserve the right to change details without notice.

HIGH EFFICIENCY
SPLIT OUTDOOR / INDOOR HORIZONTAL
R410A REFRIGERANT

SOUND DATA TABLE

MODEL NUMBER	S064-065OVR(C)3SA-H-S / S064-065IHR(C)3SA-F-S

Outdoor Fan

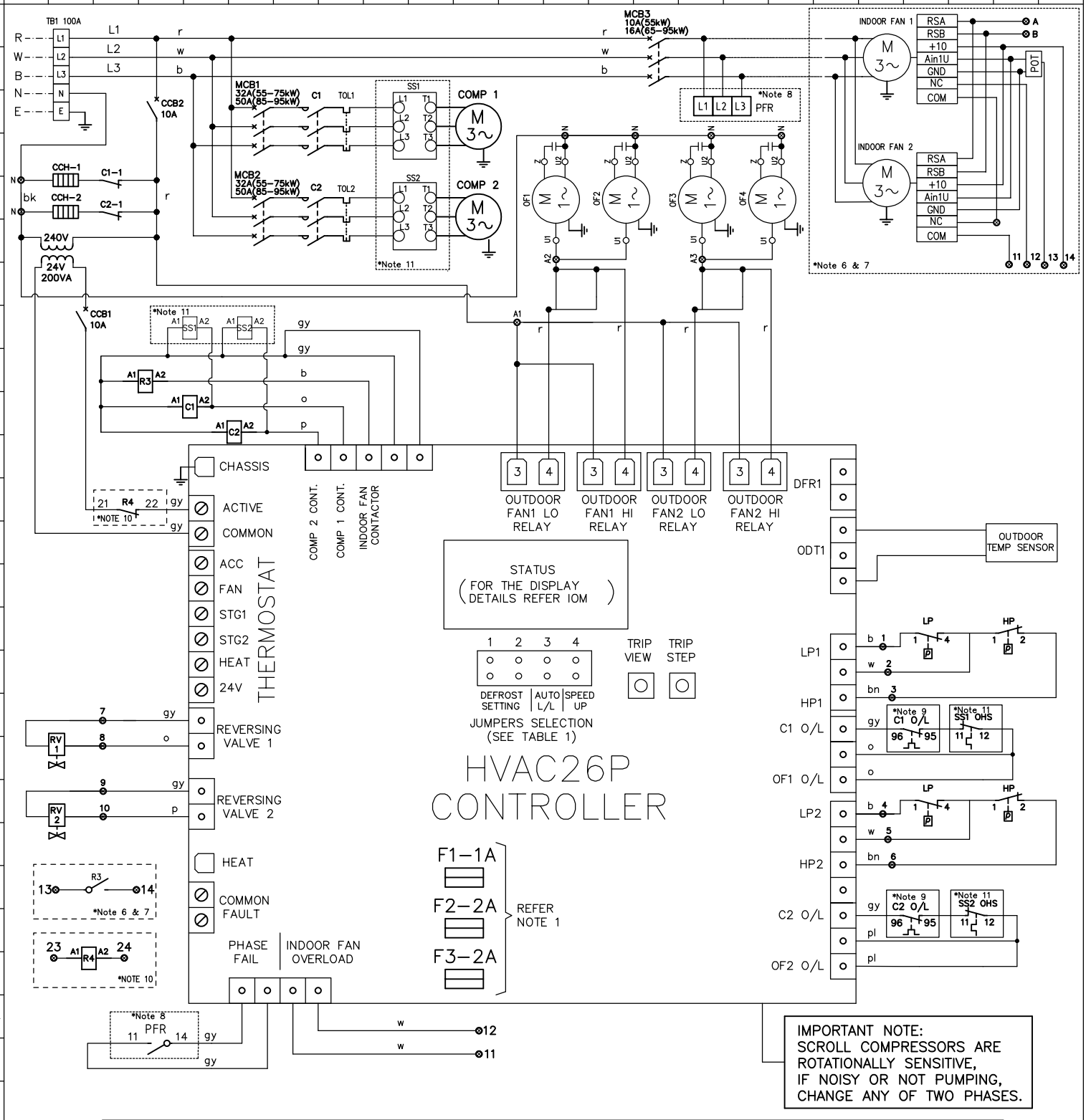
Sound Power Level dB(A)	Octave band Centre Frequency (hz), dB						
	125	250	500	1k	2k	4k	8k
70.3	76.5	65.6	65.8	65.7	63.1	56.9	53.2

Indoor Fan

Sound Power Level dB(A)	Air Flow (l/s)	Octave band Centre Frequency (hz), dB						
		125	250	500	1k	2k	4k	8k
77.2	1775	71.7	70.9	74	74.1	68.7	62.6	56.3

Date	Document #	Approved By	Revision
16/5/23	SDT001327	CM	A

NOTE: Due to continuous improvement Rinnai reserve the right to change details without notice.



WARNING! THE SOFTWARE OF THE HVAC26A CONTROLLER IS NOT DESIGNED TO FUNCTION AS A PRIMARY PERSONAL SAFETY DEVICE AS CONNECTED EQUIPMENT CAN START AUTOMATICALLY WITHOUT WARNING. ALSO OPENING THE THERMOSTAT CONTACTS MAY NOT CAUSE THE EQUIPMENT TO STOP.
OUTDOOR FAN MOTORS HAVE INTERNAL OVERLOADS AND MAY RESTART AUTOMATICALLY.

NOTES:

1. TIME DELAY GLASS FUSES ON THE PCB CONTROLLER ARE THE FOLLOWING:
   –F1 PROTECTS THE THERMOSTAT CIRCUIT
   –F2 PROTECTS THE REVERSING VALVE CIRCUITS AND THE "HEAT" OUPTUT. THIS FUSE F2 ALSO SUPPLIES FUSE F1.
   –F3 PROTECTS BOTH COMPRESSOR CONTACTOR CIRCUITS AND THE INDOOR FAN CONTACTOR CIRCUIT.
2. THERMAL OVERLOAD RELAY ARE MANUAL RESET. HP AND LP SWITCHES ARE AUTO RESET, UNLESS OTHERWISE STATED.
3. DO NOT CONNECT ADDITIONAL EQUIPMENT ON THE CONTROL TRANSFORMER OTHER THEN THE EQUIPMENT SHOWN ON THE ELECTRICAL DRAWING.
4. ALL FIELD WIRING IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AND MUST COMPLY WITH AS/NZS 3000 AND LOCAL WIRING RULES.
5. SOFTWARE CODE MUST BE CHECKED AFTER REPLACEMENT OF THE HVAC26A CONTROLLER BY CHECKING THE LCD DISPLAY AFTER THE CONTROLLER IS ACTIVATED.
6. FOR SPLIT SYSTEMS, OTHERS TO INSTALL ISOLATOR AND FIELD WIRING FOR THE INDOOR UNIT.
7. FOR PACKAGE SYSTEMS, THE WIRING FOR THE INDOR FAN WILL BE FACTORY FITTED TO TERMINALS 13 & 14.
8. OPTIONAL PHASE MONITORING RELAY (PFR). JUMPER SHORT IF NOT SELECTED.
9. OPTIONAL FIRE ALARM RELAY. JUMPER SHORT IF NOT SELECTED..
10. OPTIONAL COMPRESSOR SOFT STARTER. SS OHS JUMPER SHORT IF NOT SELECTED.

REV	PCN	DESCRIPTION	DATE
C	K10400	ADD LABELLING, REMOVE R1&R2	21/04/2026
B	K10387	REPLACE YELLOW WIRE WITH ORANGE	06/10/2025
A		FIRST RELEASE	15/08/2023

NO	MODEL	COMPRESSOR kW	COMPRESSOR FLA	COMPRESSOR O/L	OD FAN kW	OD FAN FLA	ID FAN kW	ID FAN FLA
1	P054AHC3SA–L–S/S054OVC3SA–S–IHC3SA	14.36	21.00	23.10	1.56	7.12	3.35	5.20
2	P064AHC3SA–L–S/S064OVC3SA–S–IHC3SA	17.18	22.00	24.20	1.56	7.12	2.64	4.20
3	P072AHC3SA–L–S/S072OVC3SA–S–IHC3SA	18.56	25.00	27.50	1.56	7.12	2.64	4.20
4	P084AHC3SA–L–S/S084OVC3SA–S–IHC3SA	21.36	31.00	34.10	1.56	7.12	6.70	10.40
5	P092AHC3SA–L–S/S092OVC3SA–S–IHC3SA	26.09	34.00	37.40	1.56	7.12	6.70	10.40

TABLE 1

JUMPERS SELECTION	DEFROST INTERVAL TIME SETTING	JUMPERS SELECTION	AUTO LEAD/LAG	JUMPERS SELECTION	SPEED UP
1 2	15 min	3	OFF	4	OFF
1 2	FACTORY SETTING 30 min	3	ON	4	ON
1 2	45 min				

UNIT MUST BE SWITCHED OFF BEFORE CHANGING THE JUMPER SELECTION

LEGEND

○	TERMINAL
⊗	SWITCHBOARD TERMINAL
———	FIELD WIRING
------	CONTROL PARAMETER
———	MAINS/CONTROL WIRING
CCH	CRANK CASE HEATER
PFR	PHASE FAILURE RELAY
RV	REVERSING VALVE
HP	HIGH PRESSURE SWITCH
LP	LOW PRESSURE SWITCH
TOL	THERMAL OVERLOAD

LEGEND

R	RELAY
C	CONTACTOR
OF	OUTDOOR FAN
COMP	COMPRESSOR
ISO	ISOLATOR SWITCH
MCB	MINIATURE CIRCUIT BREAKER
CCB	CONTROL CIRCUIT BREAKER
O/L	OVERLOAD
POT	POTENTIOMETER
LSC	CAPACITOR
RES	RESISTOR

COLOUR CODE

r	RED
w	WHITE
b	BLUE
bk	BLACK
bn	BROWN
o	ORANGE
p	PINK
pl	PURPLE
gy	GREY
yell	YELLOW

TYPE: 4–S

OPTIONS

REF	DESCRIPTION
A	STANDARD
B	SOFT STARTER

apac

DATE	21/04/23		
DWN	AY	APPD	C.M
REV	C		
DWG No.	EWS001645		