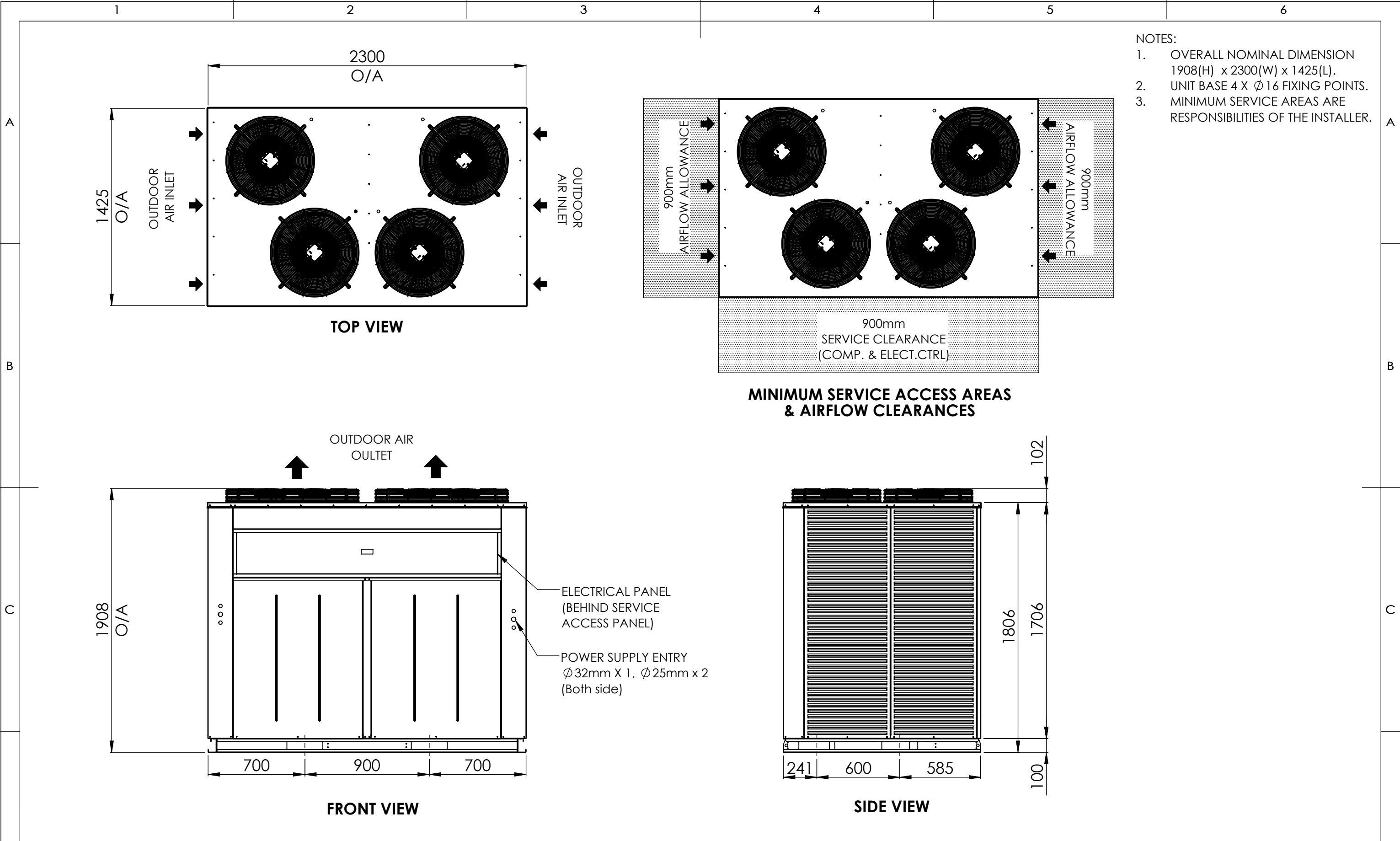




- NOTES:
- OVERALL NOMINAL DIMENSION 1908(H) x 2300(W) x 1425(L).
 - UNIT BASE 4 X Ø16 FIXING POINTS.
 - MINIMUM SERVICE AREAS ARE RESPONSIBILITIES OF THE INSTALLER.

D								DESCRIPTION : GENERAL ARRANGEMENT, S085-095OVR3SA-L-S, S084-0920VC3SA-L-S			DRAWING No. : GAD001286		REV : A	D
	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.							MATERIAL : -	THICKNESS : -	FINISH : -		
	A	FIRST ISSUE				ARM	04/05/23		DRAWN BY : ARM	DRAWN DATE : 11/05/23	APPROVED BY : CM	SCALE : N.T.S	SHEET : 1 OF 1  THIRD ANGLE PROJECTION	A3
REV	DESCRIPTION			PCN	BY	DATE	ZONE							

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		3Ø	3Ø	3Ø	3Ø	3Ø
	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		1Ø	1Ø	1Ø	1Ø	1Ø
	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		3Ø	3Ø	3Ø	3Ø	3Ø
	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

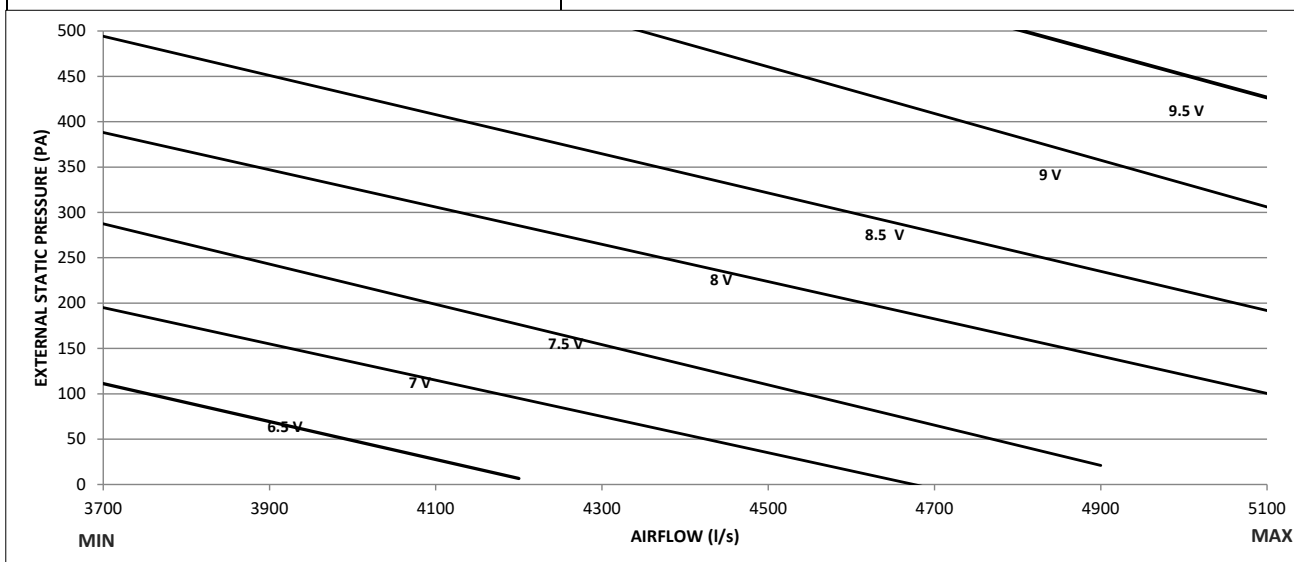
F.L.A - Full Load Amps are based on the overload settings [Max Current] of all Compressor and Fan Motor(s)

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

S084-085IHR(C)3SA-F-S



Note:

- 6.5 V, 7V, 7.5V, 8V, 8.5V, 9V and 9.5V represents potentiometer voltage. Potentiometer can be adjusted to achieve desired flowrates.
- Potentiometer voltage can be varied infinitely between 0 to 10V.

Date	Document #	Approved By	Revision
18/5/23	FPD001347	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	S084-085OVR(C)3SA-H-S / S084-085IHR(C)3SA-F-S
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Outdoor Fan

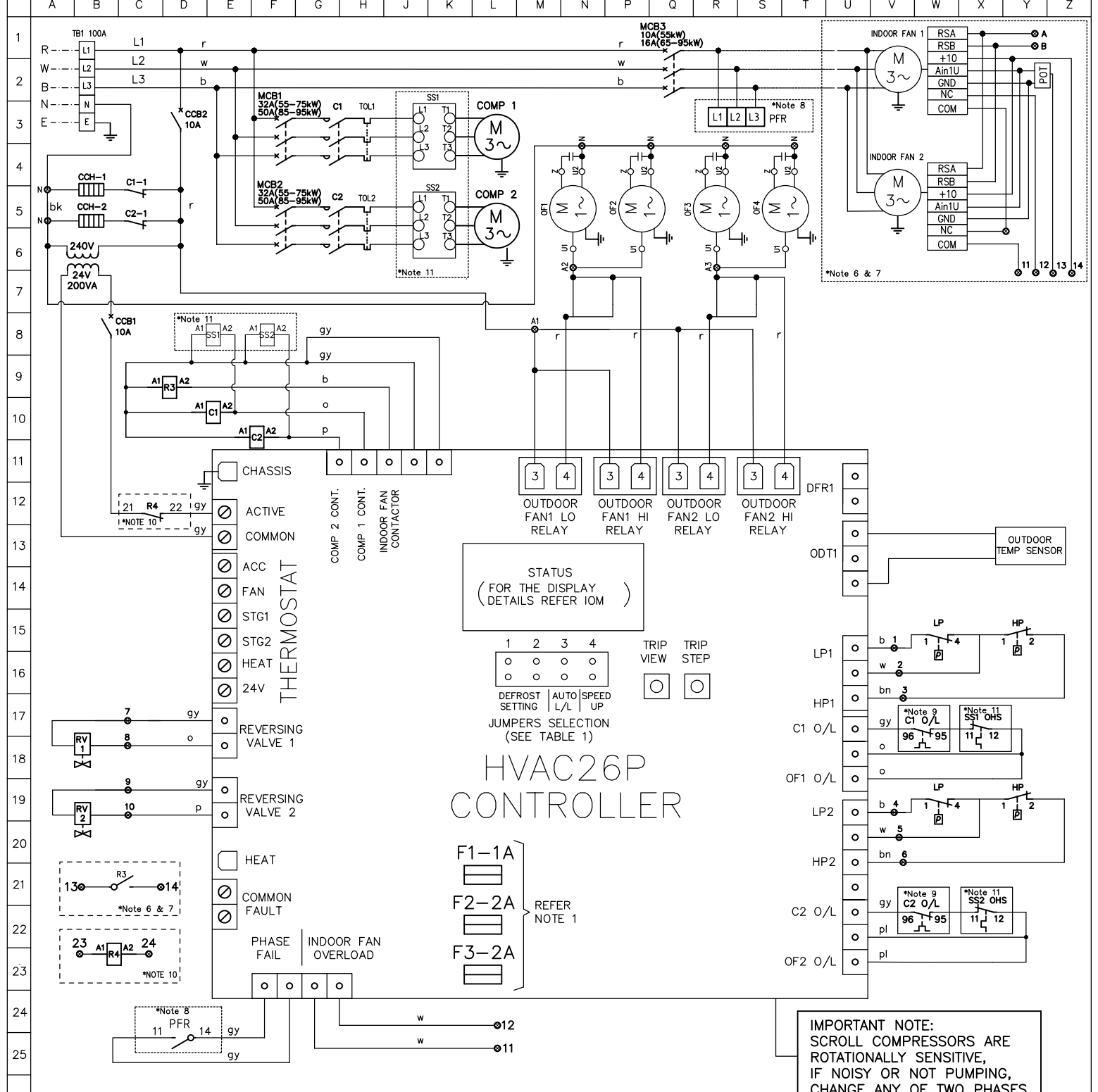
Sound Power Level dB(A)	Octave band Centre Frequency (hz), dB						
	125	250	500	1k	2k	4k	8k
70	76	65.3	65.4	65.4	63	56.7	53.2

Indoor Fan

Sound Power Level dB(A)	Air Flow (l/s)	Octave band Centre Frequency (hz), dB						
		125	250	500	1k	2k	4k	8k
81.6	2200	74.1	71.5	73.2	73.8	76.7	75.4	63.9

Date	Document #	Approved By	Revision
16/5/23	SDT001329	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.

20

NOTES:

29

30

31

32

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" OUTPUT. THIS FUSE F2 ALSO SUPPLIES FUSE F1.
-F3 PROTECTS BOTH COMPRESSOR CONTACTOR CIRCUITS AND THE INDOOR FAN CONTACTOR CIRCUIT.
-THERMAL OVERLOAD RELAY ARE MANUAL RESET. HP AND LP SWITCHES ARE AUTO RESET, UNLESS OTHERWISE STATED.

2.

DO NOT CONNECT ADDITIONAL EQUIPMENT ON THE CONTROL TRANSFORMER OTHER THEN THE EQUIPMENT SHOWN ON THE ELECTRICAL DRAWING.

3.

ALL FIELD WIRING IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AND MUST COMPLY WITH AS/NZS 3000 AND LOCAL WIRING RULES.

4.

SOFTWARE CODE MUST BE CHECKED AFTER REPLACEMENT OF THE HVAC26A CONTROLLER BY CHECKING THE LCD DISPLAY AFTER THE CONTROLLER IS ACTIVATED.

5.

FOR SPLIT SYSTEMS, OTHERS TO INSTALL ISOLATOR AND FIELD WIRING FOR THE INDOOR UNIT.

6.

FOR PACKAGE SYSTEMS, THE WIRING FOR THE INDOOR FAN WILL BE FACTORY FITTED TO TERMINALS 13 & 14.

7.

OPTIONAL PHASE MONITORING RELAY (PFR). JUMPER SHORT IF NOT SELECTED.

8.

OPTIONAL FIRE ALARM RELAY. JUMPER SHORT IF NOT SELECTED.

9.

OPTIONAL COMPRESSOR SOFT STARTER. SS OHS JUMPER SHORT IF NOT SELECTED.

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

REV

PCN

DESCRIPTION

DATE

NO

MODEL

COMPRESSOR

OD FAN

ID FAN

kW

FLA

O/L

kW

FLA

kW

FLA

1

P054AHC3SA-L-S/S0540VC3SA-S-IHC3SA

14.36

21.00

23.10

1.56

7.12

3.35

5.20

2

P064AHC3SA-L-S/S0640VC3SA-S-IHC3SA

17.18

22.00

24.20

1.56

7.12

2.64

4.20

3

P072AHC3SA-L-S/S0720VC3SA-S-IHC3SA

18.56

25.00

27.50

1.56

7.12

2.64

4.20

4

P084AHC3SA-L-S/S0840VC3SA-S-IHC3SA

21.36

31.00

34.10

1.56

7.12

6.70

10.40

5

P092AHC3SA-L-S/S0920VC3SA-S-IHC3SA

26.09

34.00

37.40

1.56

7.12

6.70

10.40

TABLE 1						LEGEND				COLOUR CODE		TYPE: 4-S		apac	
JUMPERS SELECTION	DEFROST INTERVAL TIME SETTING	JUMPERS SELECTION	AUTO LEAD/LAG	JUMPERS SELECTION	SPEED UP	○	⊗	○	⊗	r	w	REF	DESCRIPTION		
1 2 ○ ○	15 min	3 ○	OFF	4 ○	OFF	○	TERMINAL SWITCHBOARD TERMINAL	R	RELAY CONTACTOR	white	RED	A	STANDARD	DATE	21/04/23
1 2 ■ ○	FACTORY SETTING 30 min	3 ○	OFF	4 ○	OFF	○	FIELD WIRING	C	OUTDOOR FAN	blue	BLUE	B	SOFT STARTER	DWN	AY APPD C.M
1 2 ■ ■	45 min	3 ■	ON	4 ■	ON	○	CONTROL PARAMETER MAINS/CONTROL WIRING	B	COMPRESSOR	black	BLACK			REV	C
UNIT MUST BE SWITCHED OFF BEFORE CHANGING THE JUMPER SELECTION						○	CCH CRANK CASE HEATER	ISO	ISOLATOR SWITCH	brown	BROWN	DWC No.		EWS001645	
						○	HP HP HIGH PRESSURE SWITCH	MCB	MINIATURE CIRCUIT BREAKER	orange	ORANGE				
						○	RV REVERSING VALVE	CCB	CONTROL CIRCUIT BREAKER	pink	PINK				
						○	LP LOW PRESSURE SWITCH	O/L	OVERLOAD	purple	PURPLE				
						○	TOL THERMAL OVERLOAD	POT	POTENTIOMETER	grey	GREY				
						○		LSC	CAPACITOR	yellow	YELLOW				
						○		RES	RESISTOR						