

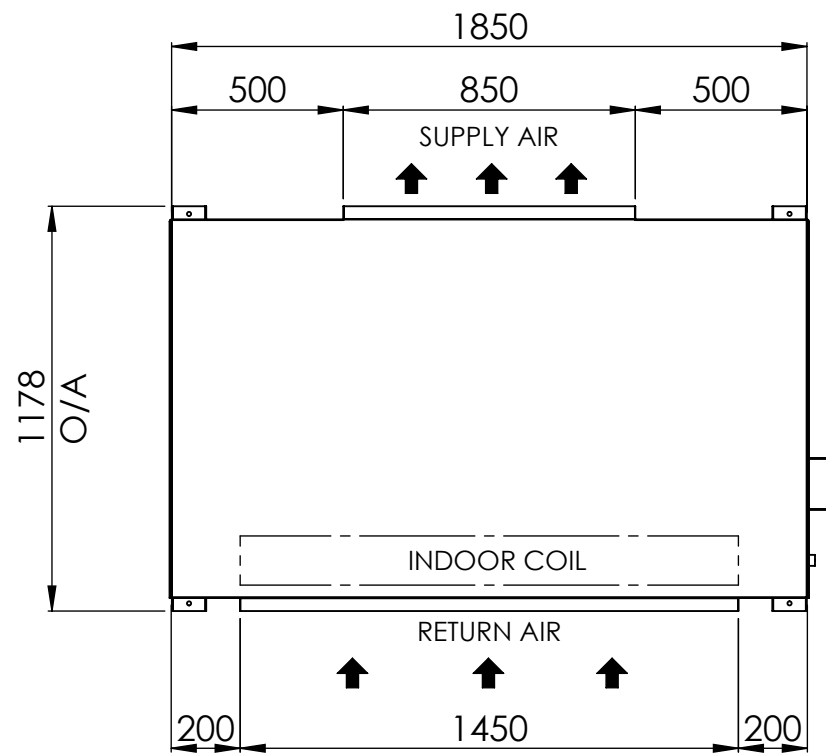
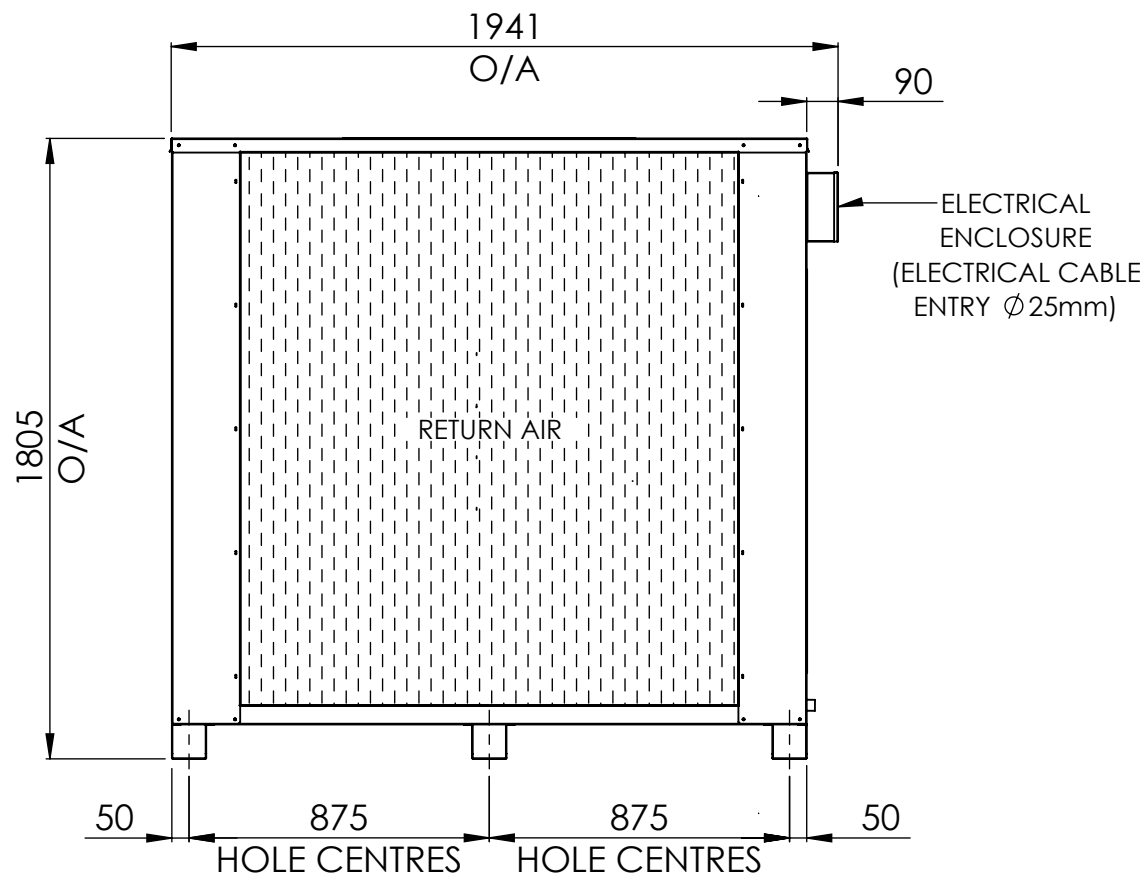


- NOTES:
- OVERALL NOMINAL DIMENSION 1908(H) x 2300(W) x 1425(L).
 - UNIT BASE 4 X Ø16 FIXING POINTS.
 - MINIMUM SERVICE AREAS ARE RESPONSIBILITIES OF THE INSTALLER.

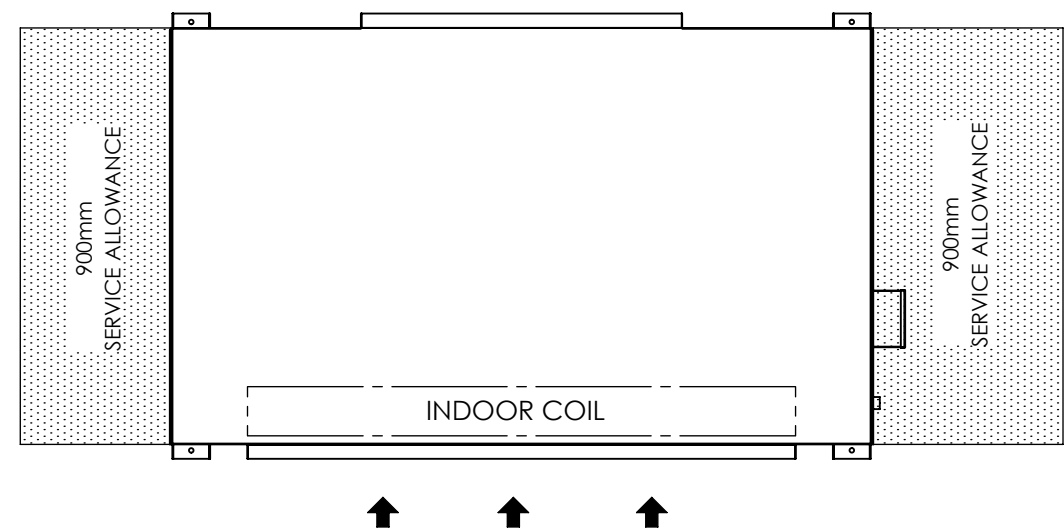
D								DESCRIPTION : GENERAL ARRANGEMENT, S085-095OVR3SA-L-S, S084-0920VC3SA-L-S			DRAWING No. : GAD001286		REV : A		D	
	TOLERANCE : 0 < LENGTH ≤ 400 ± 1mm 400 < LENGTH ≤ 1000 ± 2mm 1000 < LENGTH ± 3mm ANGLE ±1°		NOTE : LENGTHS IN MILLIMETRES AND ANGLES IN DEGREES UNLESS SPECIFIED OTHERWISE.													
	A	FIRST ISSUE				ARM	04/05/23		DRAWN BY : ARM	DRAWN DATE : 11/05/23	APPROVED BY : CM	SCALE : N.T.S				
	REV	DESCRIPTION			PCN	BY	DATE	ZONE				SHEET : 1 OF 1	 THIRD ANGLE PROJECTION	A3		



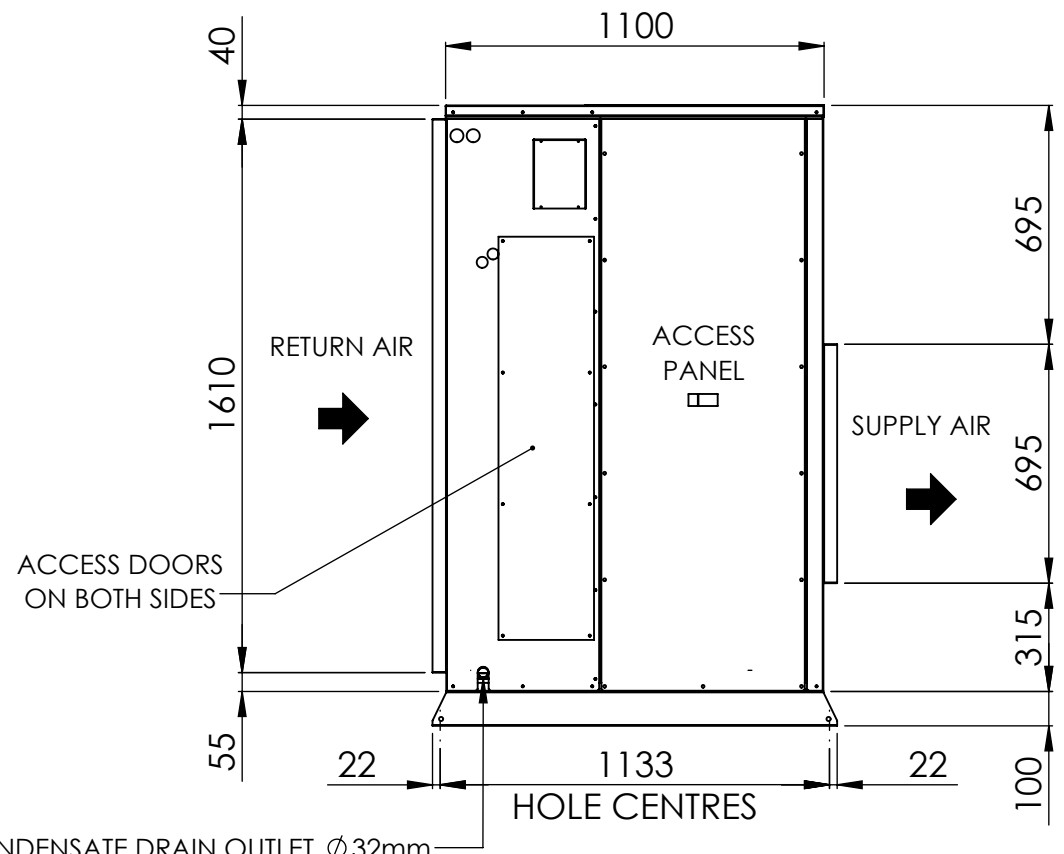
TOP VIEW



FRONT VIEW



MINIMUM SERVICE ACCESS AREAS
& AIRFLOW CLEARANCES



SIDE VIEW

- NOTES:
- DRAWING REFLECTS A HORIZONTAL FAN COIL UNIT
 - OVERALL NOMINAL DIMENSION 1805(H) x 1941(W) x 1178(L)
 - GAS, DRAIN & ELECTRICAL CONNECTIONS ON SAME SIDE
 - MAX. M12 FASTENERS.
 - DUCTING SPECIFICATIONS:
SUPPLY DUCT: 695(H) x 850(W)
RETURN DUCT: 1610(H) x 1450(W)
 - REFER TO INSTALLATION AND OPERATIONAL MANUAL FOR PIPE SIZING
 - MINIMUM SERVICE AREAS ARE RESPONSIBILITIES OF THE INSTALLER



TOLERANCE :
0 < LENGTH ≤ 400 ± 1mm
400 < LENGTH ≤ 1000 ± 2mm
1000 < LENGTH ± 3mm ANGLE ± 1°
DUE TO CONTINUOUS IMPROVEMENT
RINNAI RESERVE THE RIGHT TO CHANGE
DETAILS WITHOUT NOTICE

NOTE :
LENGTHS IN MILLIMETRES AND
ANGLES IN DEGREES UNLESS
SPECIFIED OTHERWISE.
THIS DRAWING IS THE PROPERTY OF
APAC. ANY UNAUTHORISED USE IS
FORBIDDEN.

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

DESCRIPTION : GENERAL ARRANGEMENT, S085-095IHR-F-S, S084-092IHC3SA-F-S		
MATERIAL : -	THICKNESS : -	FINISH : -
DRAWN BY : HALIM	DRAWN DATE : 11/05/23	APPROVED BY : CM

DRAWING No. : GAD001289	REV : A
SCALE : N.T.S	
SHEET : 1 OF 1	THIRD ANGLE PROJECTION

A3

TECHNICAL DATA SHEET

MODEL NUMBER		Indoor	S055IHC3SA-F-S	S065IHC3SA-F-S	S075IHC3SA-F-S	S085IHC3SA-F-S	S095IHC3SA-F-S	
		Outdoor	S055OVC3SA-H-S	S065OVC3SA-H-S	S075OVC3SA-H-S	S085OVC3SA-H-S	S095OVC3SA-H-S	
OUTDOOR SECTION	CAPACITY							
	Cooling	kW TOTAL*	58.48	64.33	75.22	85.69	96.39	
		kW SENSIBLE*	43.00	50.34	57.19	64.99	72.67	
		EER (kW / ikW)*	3.20	3.13	3.42	3.38	3.14	
	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	2 SPEED VIA	2 SPEED VIA	2 SPEED VIA	2 SPEED VIA	
	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)		1400 x 2300 x 1425	1603 x 2300 x 1425		1806 x 2300 x 1425		
WEIGHT								
OPERATING KG		527	612	647	738	740		
SHIPPING KG		577	662	697	788	790		
ELECTRICAL								
POWER SUPPLY		415v / 3Ø / 50hz						
FLA / RLA (Amps)		49.1 / 34.1	51.1 / 39.9	57.1 / 41.0	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)		1400 x 1600 x 1100	1605 x 1600 x 1100		1805 x 1850 x 1100		
	WEIGHT							
	OPERATING KG		290	340	340	461	461	
	SHIPPING KG		295	345	345	466	466	
	ELECTRICAL							
	POWER SUPPLY		415v / 3Ø / 50hz					
	FLA / RLA (Amps)		5.2 / 2.4	4.2 / 1.9	4.2 / 1.9	10.4 / 2.5	10.4 / 3.1	
	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)		36.51	41.80	42.84	47.12	59.84		
MAX. F.L.A. (TOTAL SYSTEM)		54.32	55.32	61.32	79.52	85.52		
GENERAL								
CABINET		GALVANISED SHEET STEEL						
INSULATION		25MM ALUMINIUM FOIL FACED POLYETHYLENE ACOUSTIC INSULATION						
EXTERNAL FINISH		POLYESTER POWDER COAT (OUTDOOR SECTION) - COLOUR LIGHT GREY AS STANDARD - OPTIONS AVAILABLE NO COATING FOR INDOOR SECTION						
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 <small>(Based on condenser fan's sound data)</small>								
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

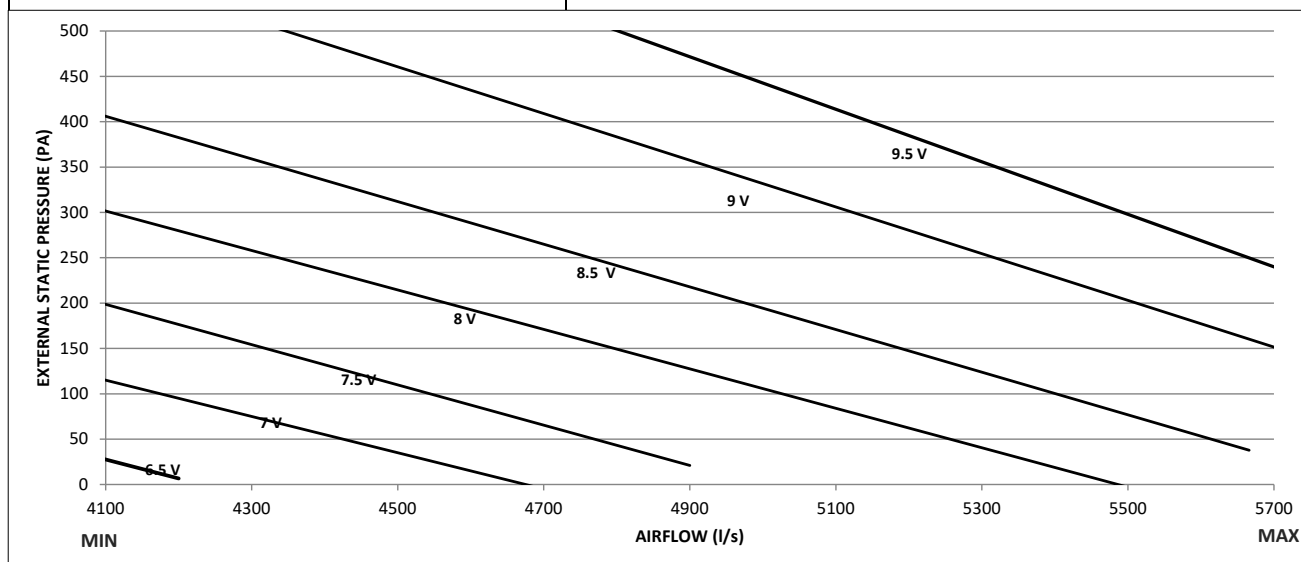
F.L.A - Full Load Amps are based on the overload settings [Max Current] of all Compressor and Fan Motor(s)

Date	Document #	Approved By	Revision
26/3/23	TDS001398	CM	A

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

FAN PERFORMANCE CURVE

S092-95IHR(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	FPD001348	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	S092-095OVR(C)3SA-H-S / S092-095IHR(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
85.8	2470	76.7	74.4	76.3	76.9	78.1	82.4	65.6

Date	Document #	Approved By	Revision
16/5/23	SDT001330	CM	A

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