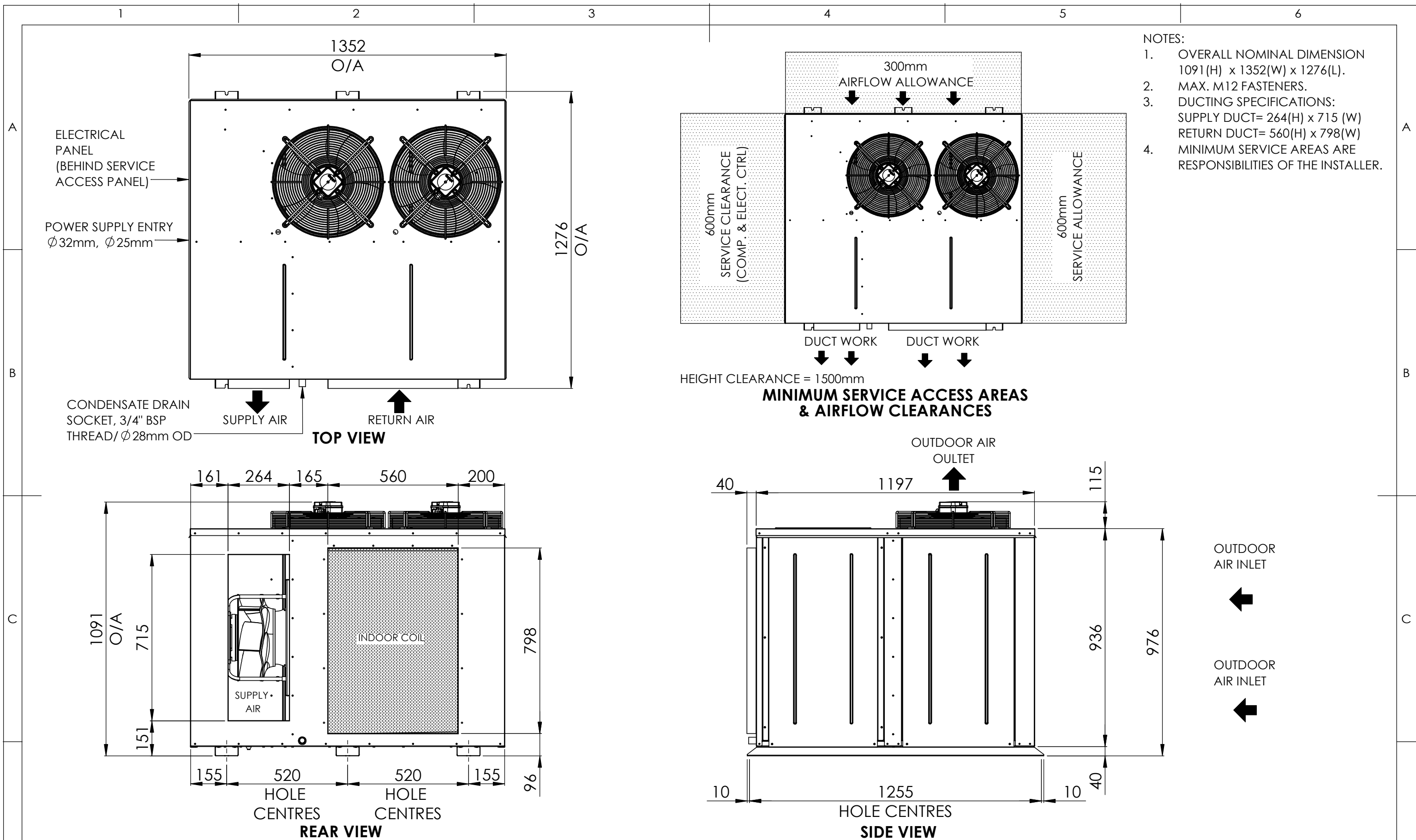




D									DESCRIPTION : GENERAL ARRANGEMENT, P012-018AHR3SA-L-S, P012-018AHC3SA-L-S			DRAWING No. : GAD000379		REV : A		D
	TOLERANCE : 0 < LENGTH ≤ 400 ± 1mm 400 < LENGTH ≤ 1000 ± 2mm 1000 < LENGTH ≤ 3mm ANGLE ±1°		NOTE : LENGTHS IN MILLIMETRES AND ANGLES IN DEGREES UNLESS SPECIFIED OTHERWISE.								MATERIAL : -	THICKNESS : -	FINISH : -			
	A	FIRST ISSUE				HALIM	24/06/22	N/A	DRAWN BY : HALIM	DRAWN DATE : 24/06/22	APPROVED BY : CM	SCALE : N.T.S				
	REV	DESCRIPTION			PCN	BY	DATE	ZONE					SHEET : 1 OF 1	 THIRD ANGLE PROJECTION	A3	

TECHNICAL DATA SHEET

MODEL NUMBER		P012AHC3SA-L/R	P015AHC3SA-L/R	P018AHC3SA-L/R	P020AHC3SA-L/R	P023AHC3SA-L/R	
		S	S	S	S	S	
OUTDOOR SECTION	CAPACITY						
	Cooling	kW TOTAL*	11.38	16.01	18.74	20.53	22.40
		kW SENSIBLE*	9.33	12.51	14.78	15.88	18.24
		EER (kW / ikW)*	3.45	3.84	3.79	3.60	3.33
	CAPACITY STEPS (%)		0/100	0/100	0/100	0/100	0/100
	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	1	1	1	1	1	
	PROTECTION DEVICES		HP SWITCH, LP SWITCH, INTERNAL THERMAL CUTOUT				
	ALL COMPRESSORS HAVE		SUMP HEATER				
	FAN						
	TYPE	AXIAL	AXIAL	AXIAL	AXIAL	AXIAL	
	i kW (MAX INPUT)	0.19	0.19	0.19	0.27	0.27	
	PHASE	1Ø	1Ø	1Ø	1Ø	1Ø	
	No. OFF	2	2	2	2	2	
	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						
CHARGE PER CIRCUIT (KG)	3.95	5.30	5.70	7.30	6.80		
No. OF CIRCUITS	1	1	1	1	1		
REFRIGERANT CONTROL		TXV					
INDOOR SECTION	FAN						
	TYPE	EC PLUG	EC PLUG	EC PLUG	EC PLUG	EC PLUG	
	i kW (MAX INPUT)	1.7	1.7	1.7	1.7	1.7	
	PHASE	3Ø	3Ø	3Ø	3Ø	3Ø	
	No. OFF	1	1	1	1	1	
	FAN SPEED CONTROL		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	625	800	890	1040	1190	
	EXT STATIC pa		100 (ALL FANS ARE HIGH STATIC FANS. REFER TO FAN CURVES.)				
COMBINED SECTIONS	ELECTRICAL						
	MAINS POWER	415v / 3Ø / 50hz	415v / 3Ø / 50hz	415v / 3Ø / 50hz	415v / 3Ø / 50hz	415v / 3Ø / 50hz	
	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)	5.5	6.8	8.1	11.9	10.8	
	MAX. F.L.A. (TOTAL SYSTEM)	11.4	13.7	14.4	19.1	19.5	
	GENERAL						
	CABINET	GALVANISED SHEET STEEL					
	INSULATION	25MM ALUMINIUM FOIL FACED POLYETHYLENE ACOUSTIC INSULATION					
	EXTERNAL FINISH	POLYESTER POWDER COAT - RAL 7035 LIGHT GREY AS STANDARD					
	DIMENSIONS						
	H X W X D (mm)	1213 X 1450 X 1300			1384 X 1630 X 1465		
	WEIGHT						
	OPERATING KG	228	244	251	307	308	
	SHIPPING KG	278	294	301	348	349	
NOISE LEVELS [Based on condenser fan's sound data]							
Sound Power db(A)	61.7	61.7	61.7	66.6	66.6		

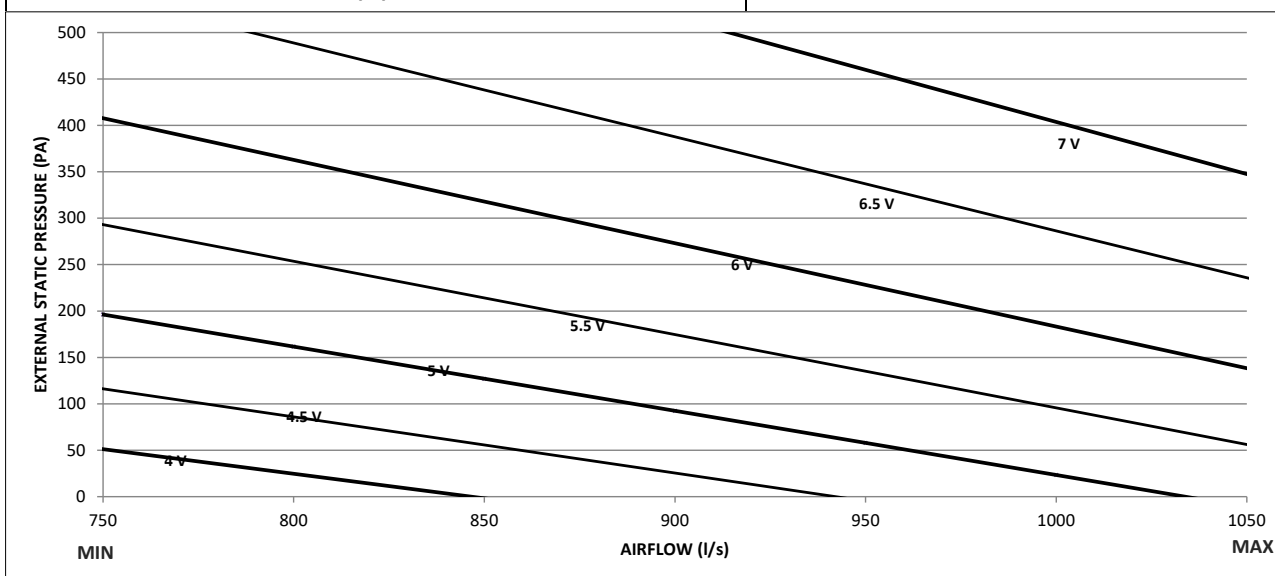
Note: Rated in accordance with AHRI 210/240 or 340/360
Performance excludes ikW of indoor fan motor
R.L.A - Run Load Amps are based on current drawn at nominal conditions
F.L.A - Full Load Amps are based on the overload settings [Max Current] of all Compressor and Fan Motor(s)

Date	Document #	Approved By	Revision
22/12/23	TDS000542	AY	B

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

FAN PERFORMANCE DATA

P018AHR(C)3SA-L/R-S



Note:

- 4V, 4.5V, 5V, 5.5V, 6V, 6.5V and 7V 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
30/1/23	FPD000477	CM	A

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

SOUND DATA TABLE

MODEL NUMBER	P018AHR(C)3SA-L/R-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
61.7	66.4	58.6	54.6	56.6	56	50.5	41.9

Indoor Fan

Sound Power Level dB(A)	Air Flow (l/s)	Octave band Centre Frequency (Hz), dB						
		125	250	500	1k	2k	4k	8k
77.3	890	60.3	37.2	70.1	73.1	70.2	68.7	68.2

Date	Document #	Approved By	Revision
15/11/21	SDT000482	CM	A

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

