

- NOTES:
- OVERALL NOMINAL DIMENSION 1091(H) x 1352(W) x 1276(L).
 - MAX. M12 FASTENERS .
 - DUCTING SPECIFICATIONS:
SUPPLY DUCT= 264(H) x 715 (W)
RETURN DUCT= 392(H) x 1075(W)
 - MINIMUM SERVICE AREAS ARE RESPONSIBILITIES OF THE INSTALLER.

	DESCRIPTION :						DRAWING No. :		REV :
	GENERAL ARRANGEMENT, P012-018AHR3SA-C-S, P012-018AHC3SA-C-S						GAD000249		
TOLERANCE :		NOTE :				MATERIAL :	THICKNESS :	FINISH :	SCALE : N.T.S
0 < LENGTH ≤ 400 ± 1mm		LENGTHS IN MILLIMETRES AND ANGLES IN DEGREES UNLESS SPECIFIED OTHERWISE.				-	-	-	
400 < LENGTH ≤ 1000 ± 2mm		THIS DRAWING IS THE PROPERTY OF APAC. ANY UNAUTHORISED USE IS FORBIDDEN.				DRAWN BY :	DRAWN DATE :	APPROVED BY :	THIRD ANGLE PROJECTION
1000 < LENGTH ≤ 3mm ANGLE ±1°						A	FIRST ISSUE	HALIM	
DUE TO CONTINUOUS IMPROVEMENT RINNAI RESERVE THE RIGHT TO CHANGE DETAILS WITHOUT NOTICE		REV	DESCRIPTION	PCN	BY	DATE	ZONE		

TECHNICAL DATA SHEET

MODEL NUMBER		P012AHC3SA-C-S	P015AHC3SA-C-S	P018AHC3SA-C-S	P020AHC3SA-C-S	P023AHC3SA-C-S	
OUTDOOR SECTION	CAPACITY						
	Cooling	kW TOTAL*	12.57	15.54	17.43	20.53	22.89
		kW SENSIBLE*	9.70	12.13	13.45	15.88	18.17
		EER (kW / ikW)*	3.59	3.70	3.49	3.60	3.32
	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
	ikW (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		TWIN DECK	TWIN DECK	TWIN DECK	TWIN DECK	TWIN DECK
	ikW (MAX INPUT)		0.63	0.63	0.63	0.96	0.96
	PHASE		1Ø	1Ø	1Ø	1Ø	1Ø
	No. OFF		1	1	1	1	1
	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		625	835	875	990	1120	
EXT STATIC pa		100					
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)		8.6	11.3	13.1	13.6	15.1
	MAX. F.L.A. (TOTAL SYSTEM)		14.1	16.4	17.9	23.3	23.3
	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 (OVERALL)						
	H X W X D (mm)		1091 x 1352 x 1276			1191 x 1527 x 1426	
	WEIGHT						
OPERATING KG		215	231	237	295	295	
SHIPPING KG		265	281	287	335	335	
NOISE LEVELS (Based on outdoor fan's sound data)							
Sound Power db(A)		61.7	61.7	61.7	66.6	66.6	

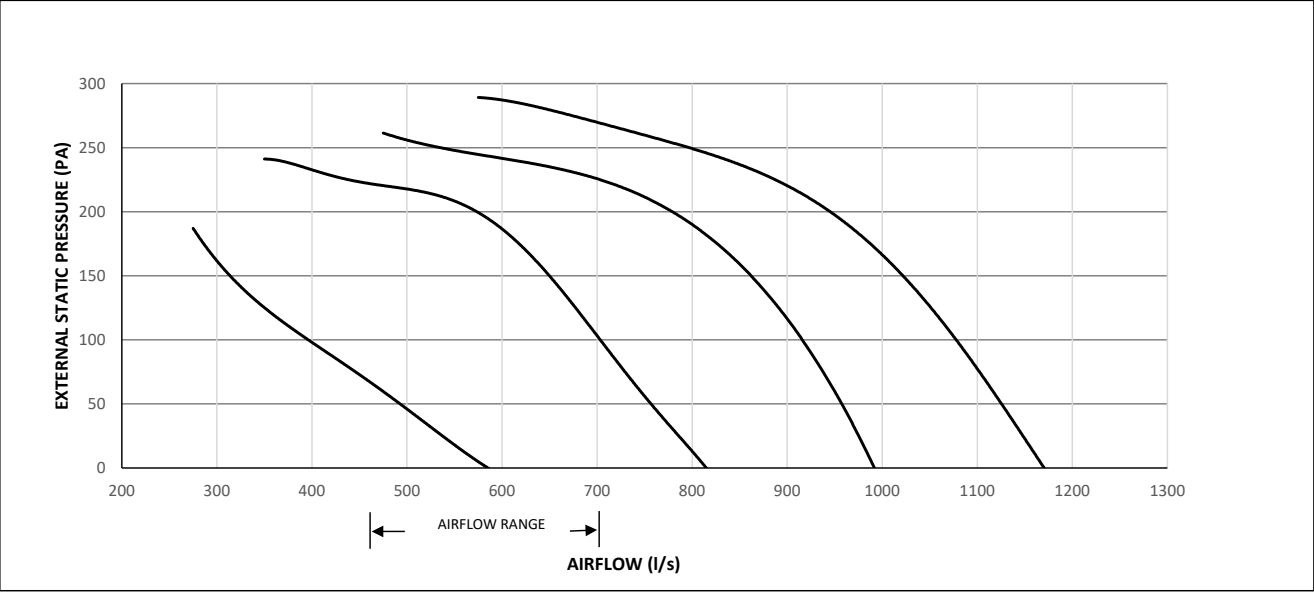
Note: Rated in accordance with AHRI 210/240 or 340/360
 Performance excludes ikW of indoor fan motor
 R.L.A - Run Load Amps based on current drawn at nominal conditions
 F.L.A - Full Load Amps based on the overload settings [Max Current] of all Compressor and Fan Motor(s).

Date	Document #	Approved By	Revision
17/12/21	TDS000505	CM	A

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

FAN PERFORMANCE DATA

P012AHR(C)3SA-C-S



Date	Document #	Approved By	Revision
21/9/21	FPD000366	CM	A

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



SOUND DATA TABLE

MODEL NUMBER	P012AHR(C)3SA-C-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
70.8	625	68.1	69.1	68.3	65.6	62.9	58.7	53.3

Date	Document #	Approved By	Revision
21/9/21	SDT000371A	CM	A

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