



- NOTES:
- OVERALL NOMINAL DIMENSION 1705(H) x 2300(W) x 2342(L).
  - UNIT BASE 6 X  $\phi 16$  FIXING POINTS.
  - DUCTING SPECIFICATIONS:  
SUPPLY DUCT= 1200(H) x 425(W)  
RETURN DUCT= 1408(H) x 1120(W)
  - MINIMUM SERVICE AREAS ARE RESPONSIBILITIES OF THE INSTALLER.

D								DESCRIPTION : GENERAL ARRANGEMENT, P065-075AHR3SA-L-S,P064-072AHC3SA-L-S			DRAWING No. :  GAD001285		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				HLM	04/05/23		DRAWN BY : HLM	DRAWN DATE : 04/05/23	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			P055AHC3SA-L/R/S	P065AHC3SA-L/R/S	P075AHC3SA-L/R/S	P085AHC3SA-L/R/S	P095AHC3SA-L/R/S
CONDENSER 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 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)		5.75	6.75	9.5	11	10.8	
No. OF CIRCUITS		2	2	2	2	2	
REFRIGERANT CONTROL		TXV					
EVAPORATOR 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					
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)		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 - RAL 7035 LIGHT GREY AS STANDARD				
	DIMENSIONS						
	H X W X D (mm)		1400 X 2300 X 2300	1603 X 2300 X 2300		1806 X 2300 X 2300	
	WEIGHT						
	OPERATING KG		714	816	860	995	995
	SHIPPING KG		794	896	940	1075	1078
	NOISE LEVELS [Based on condenser fan's sound data]						
	Sound Power db(A)		66.8	70.3	69.5	70	70

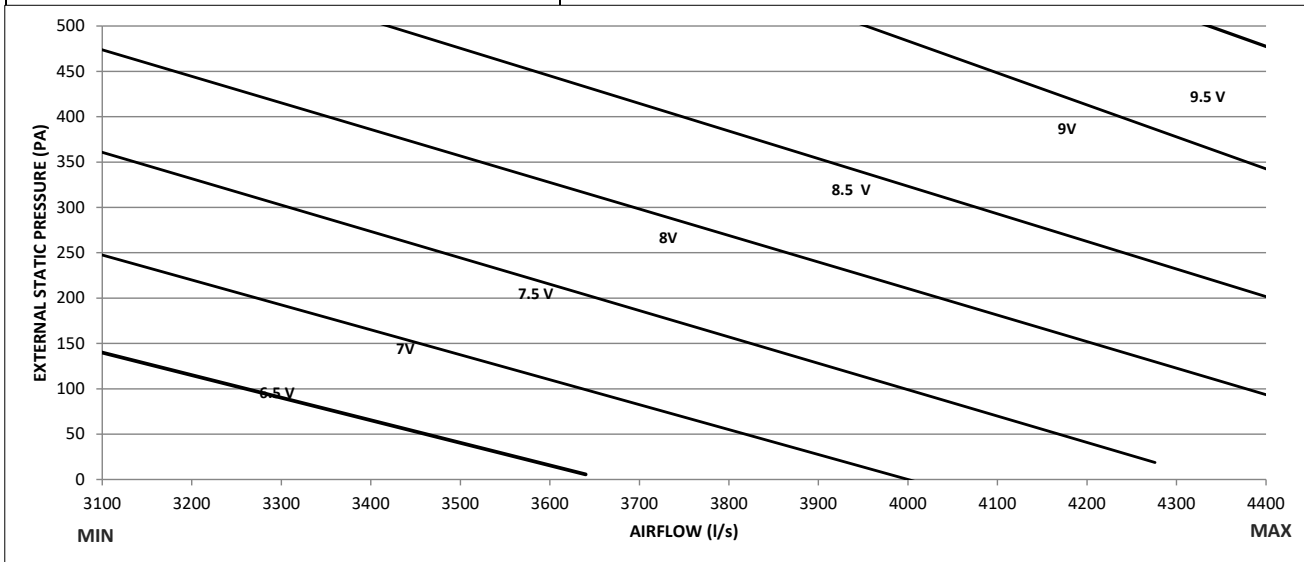
**Note:** Rated in accordance with AHRI 210/240 or 340/360  
Performance excludes ikW of indoor fan motor  
R.L.A - Run Load Amps are based on current drawn at nominal conditions  
F.L.A - Full Load Amps are based on the overload settings [Max Current] of all Compressor and Fan Motor(s)

Date	Document #	Approved By	Revision
26/5/23	TDS001397	CM	A

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

## FAN PERFORMANCE CURVE

P072-075AHR(C)3SA-L-S



Note:

- 6.5V, 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	FPD001341	CM	A

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



**HIGH EFFICIENCY  
PACKAGED UNIT HORIZONTAL  
R410A REFRIGERANT**

## SOUND DATA TABLE

**MODEL NUMBER**

**P072-075AHR(C)3SA-L/R-S**

### Outdoor Fan

Sound Power Level dB(A)	Octave band Centre Frequency (hz), dB						
	125	250	500	1k	2k	4k	8k
69.5	75.3	64.7	64.9	64.9	62.7	56	52.9

### Indoor Fan

Sound Power Level dB(A)	Air Flow (l/s)	Octave band Centre Frequency (hz), dB						
		125	250	500	1k	2k	4k	8k
78.5	1875	72.9	72.3	75.3	75.4	70.2	64.2	58

Date	Document #	Approved By	Revision
2/5/23	SDT001267	CM	A

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