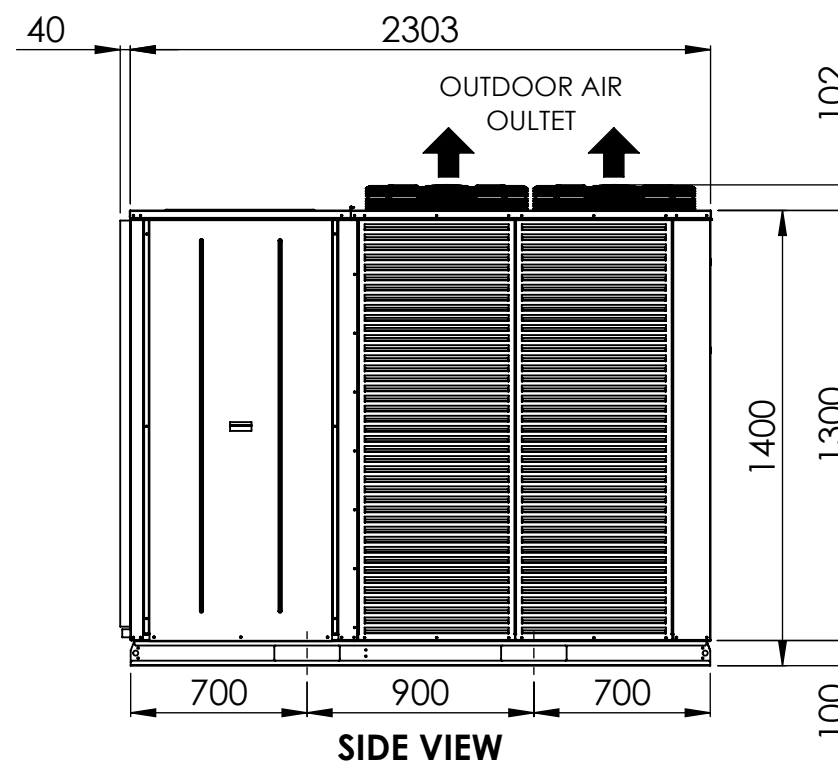
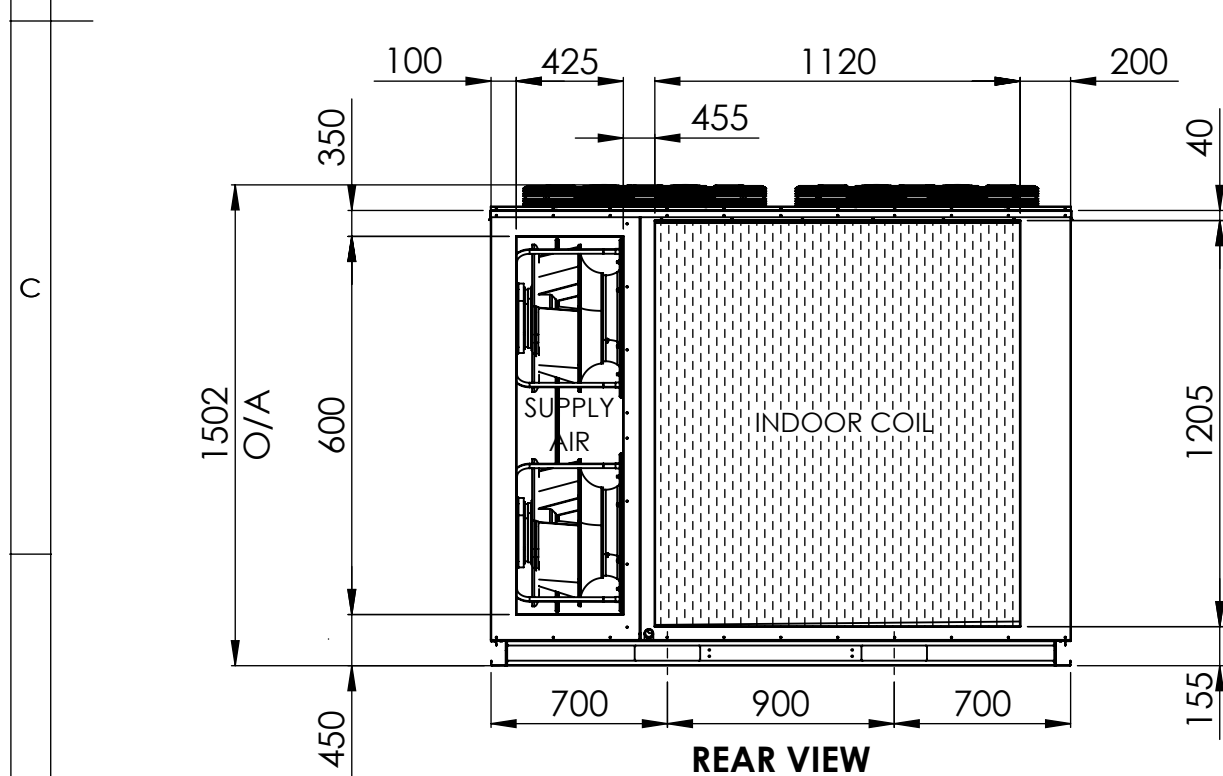


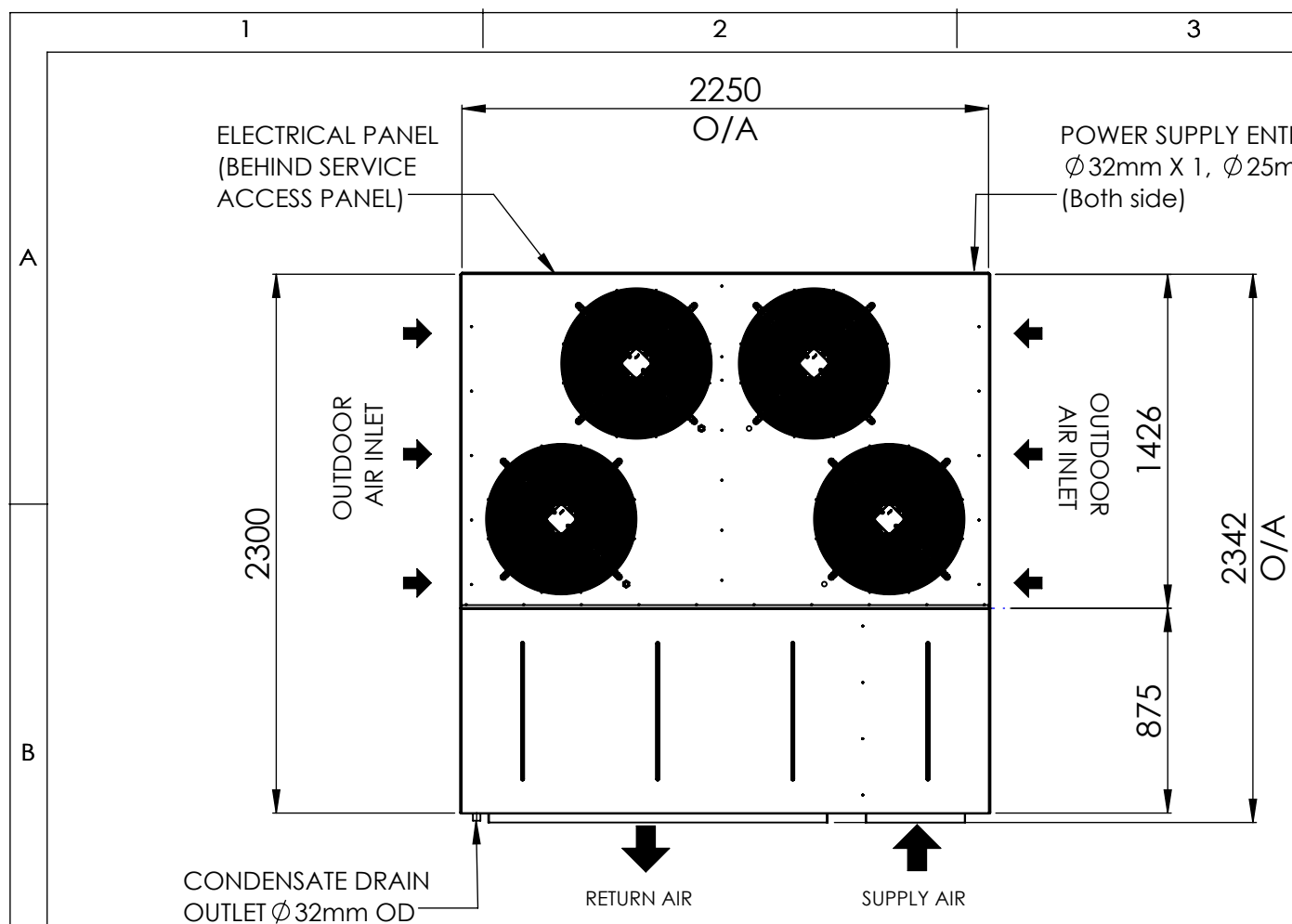


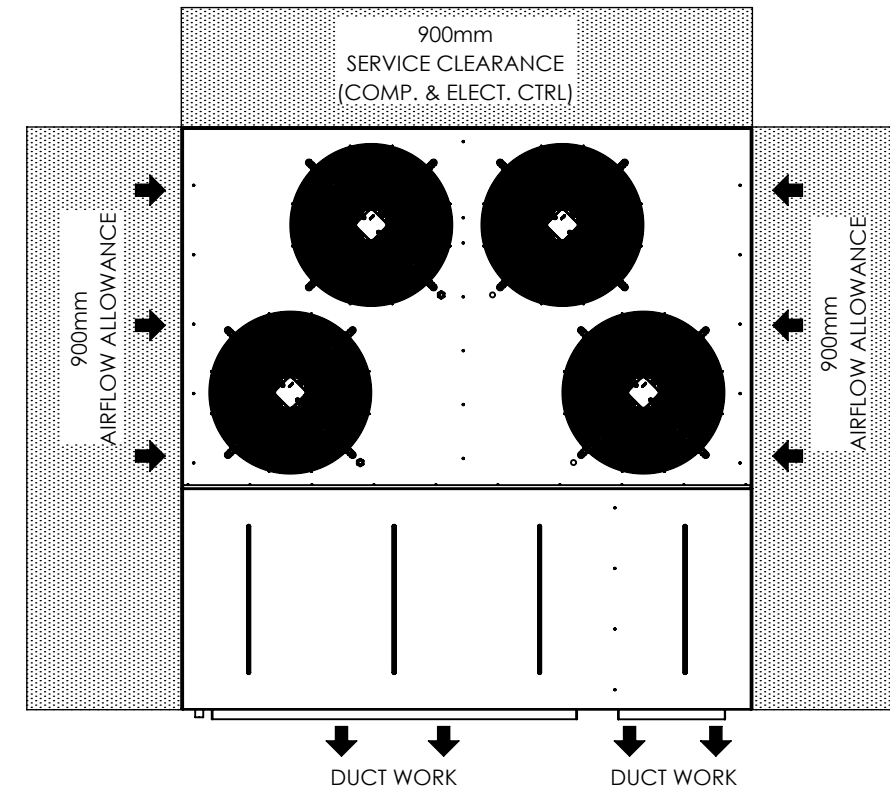
- NOTES:
1. OVERALL NOMINAL DIMENSION
1502(H) x 2300(W) x 2342(L).
 2. UNIT BASE 6 X Ø 16 FIXING POINTS.
 3. DUCTING SPECIFICATIONS:
SUPPLY DUCT= 600(H) x 425(W)
RETURN DUCT= 1205(H) x 1120(W)
 4. MINIMUM SERVICE AREAS ARE
RESPONSIBILITIES OF THE INSTALLER.



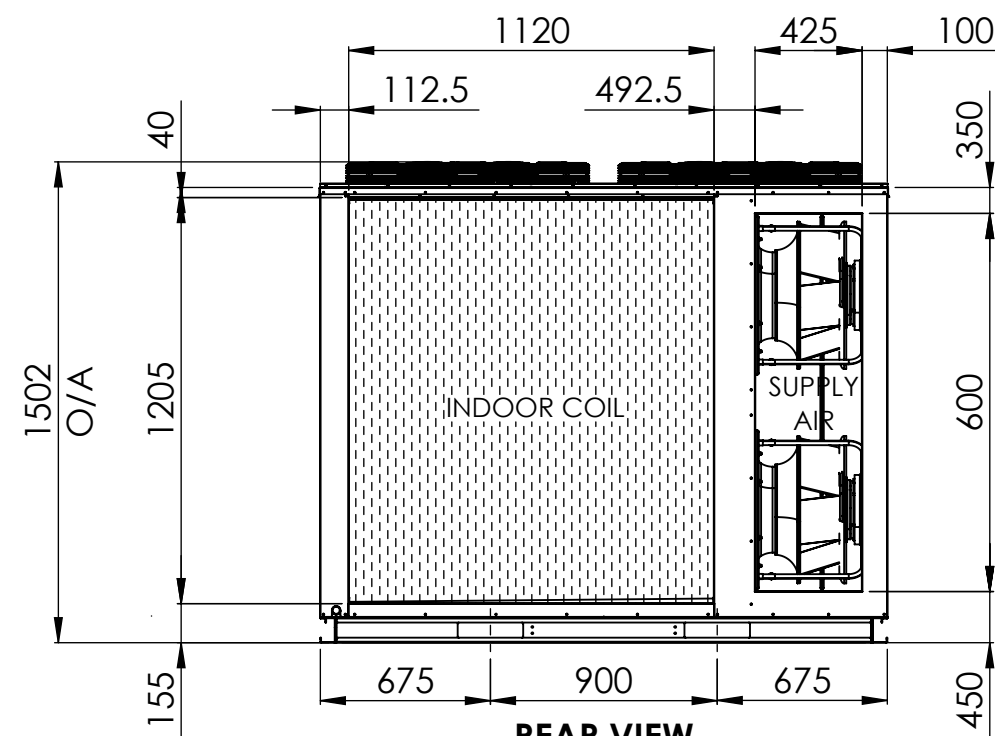
| | | | | | | | | | | | | | | | | |
|---|--|-------------|--|--|-----|-----|----------|------|---|--------------|-----------------|---|---------------|----------------|--|---|
| D |  | | | | | | | | DESCRIPTION : GENERAL ARRANGEMENT, P055AHR3SA-L-S, P054AHC3SA-L-S | | | DRAWING No. : GAD001284 | | REV : 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 : | DRAWN DATE : | APPROVED BY : | SCALE : N.T.S | | | | |
| | REV | DESCRIPTION | | | PCN | BY | DATE | ZONE | HLM | 04/05/23 | CM | SHEET : 1 OF 1  THIRD ANGLE PROJECTION | A3 | | | |



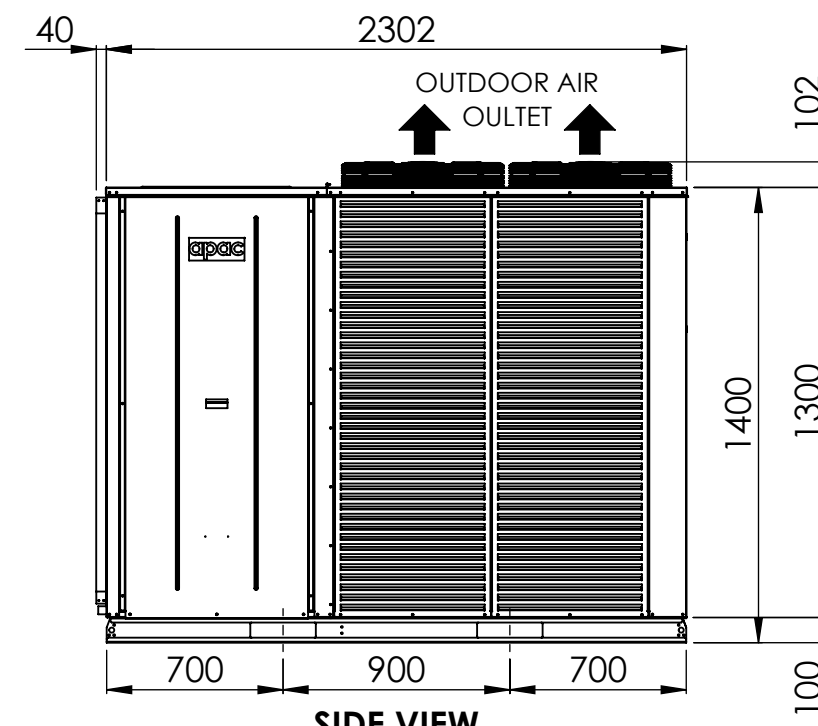
TOP VIEW



MINIMUM SERVICE ACCESS AREAS & AIRFLOW CLEARANCES





REAR VIEW



SIDE VIEW

- NOTES:
1. OVERALL NOMINAL DIMENSION
1502(H) x 2300(W) x 2342(L).
 2. UNIT BASE 6 X Ø 16 FIXING POINTS.
 3. DUCTING SPECIFICATIONS:
SUPPLY DUCT= 600(H) x 425(W)
RETURN DUCT= 1205(H) x 1120(W)
 4. MINIMUM SERVICE AREAS ARE
RESPONSIBILITIES OF THE INSTALLER.

| | | | | | | | | | | | | | | | |
|--|---|--|--|-------------|--|--|-----|-----|---|-----------------|------------------|--------------------------------|---------------|---|----|
| D |  | | | | | | | | DESCRIPTION : GENERAL ARRANGEMENT, P055AHR3SA-R-S, P054AHC3SA-R-S | | | DRAWING No. : GAD001351 | | 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 : - | | | |
| DUE TO CONTINUOUS IMPROVEMENT RINNAI RESERVE THE RIGHT TO CHANGE DETAILS WITHOUT NOTICE. | | THIS DRAWING IS THE PROPERTY OF APAC. ANY UNAUTHORISED USE IS FORBIDDEN. | A | FIRST ISSUE | | | | ARM | 06/06/23 | | DRAWN BY : | DRAWN DATE : | APPROVED BY : | SCALE : N.T.S | |
| | | | REV | DESCRIPTION | | | PCN | BY | DATE | ZONE | ARM | 04/05/23 | CM | 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 |

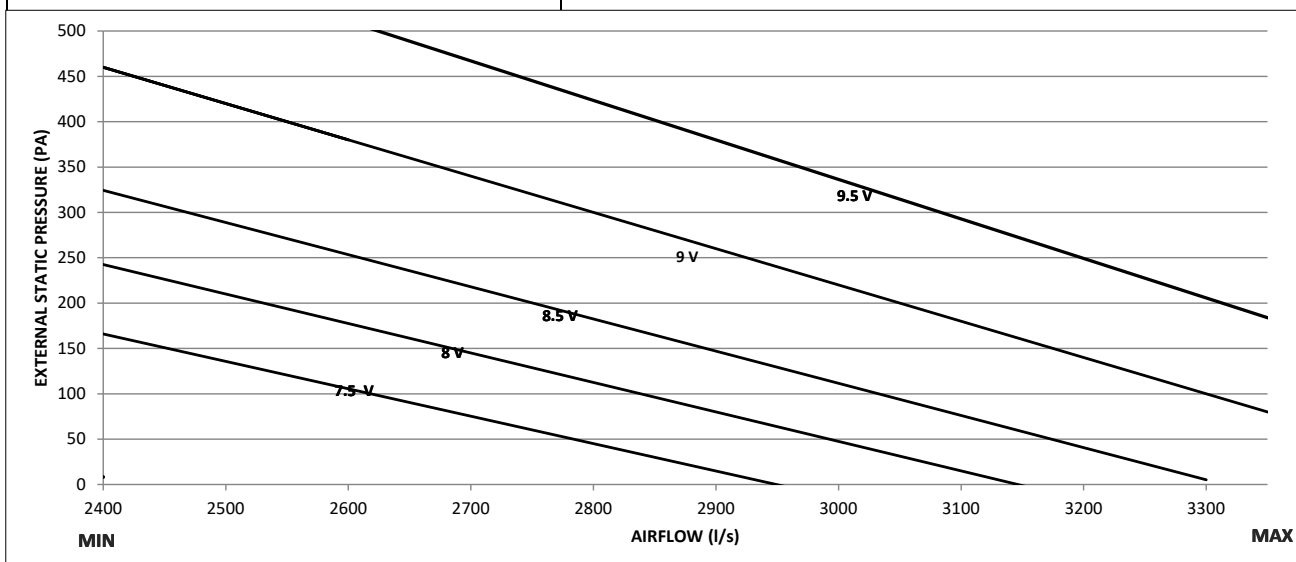
Note: Rated in accordance with AHRI 210/240 or 340/360
Performance excludes ikW of indoor fan motor
R.L.A - Run Load Amps are based on current drawn at nominal conditions
F.L.A - Full Load Amps are based on the overload settings [Max Current] of all Compressor and Fan Motor(s)

| 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

P054-055AHR(C)3SA-L-S



Note:

- 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 | FPD001339 | CM | A |

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

SOUND DATA TABLE

MODEL NUMBER

P054-055AHR(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 |
| 66.8 | 74.8 | 65.1 | 65.2 | 65.2 | 62.9 | 56.5 | 53.1 |

Indoor Fan

| Sound Power Level dB(A) | Air Flow (l/s) | Octave band Centre Frequency (hz), dB | | | | | | |
|-------------------------|----------------|---------------------------------------|------|------|------|------|------|------|
| | | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 89.1 | 2880 | 82 | 82.7 | 85.8 | 85.4 | 81.3 | 76.6 | 71.8 |

| Date | Document # | Approved By | Revision |
|--------|------------|-------------|----------|
| 2/5/23 | SDT001265 | CM | A |

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