

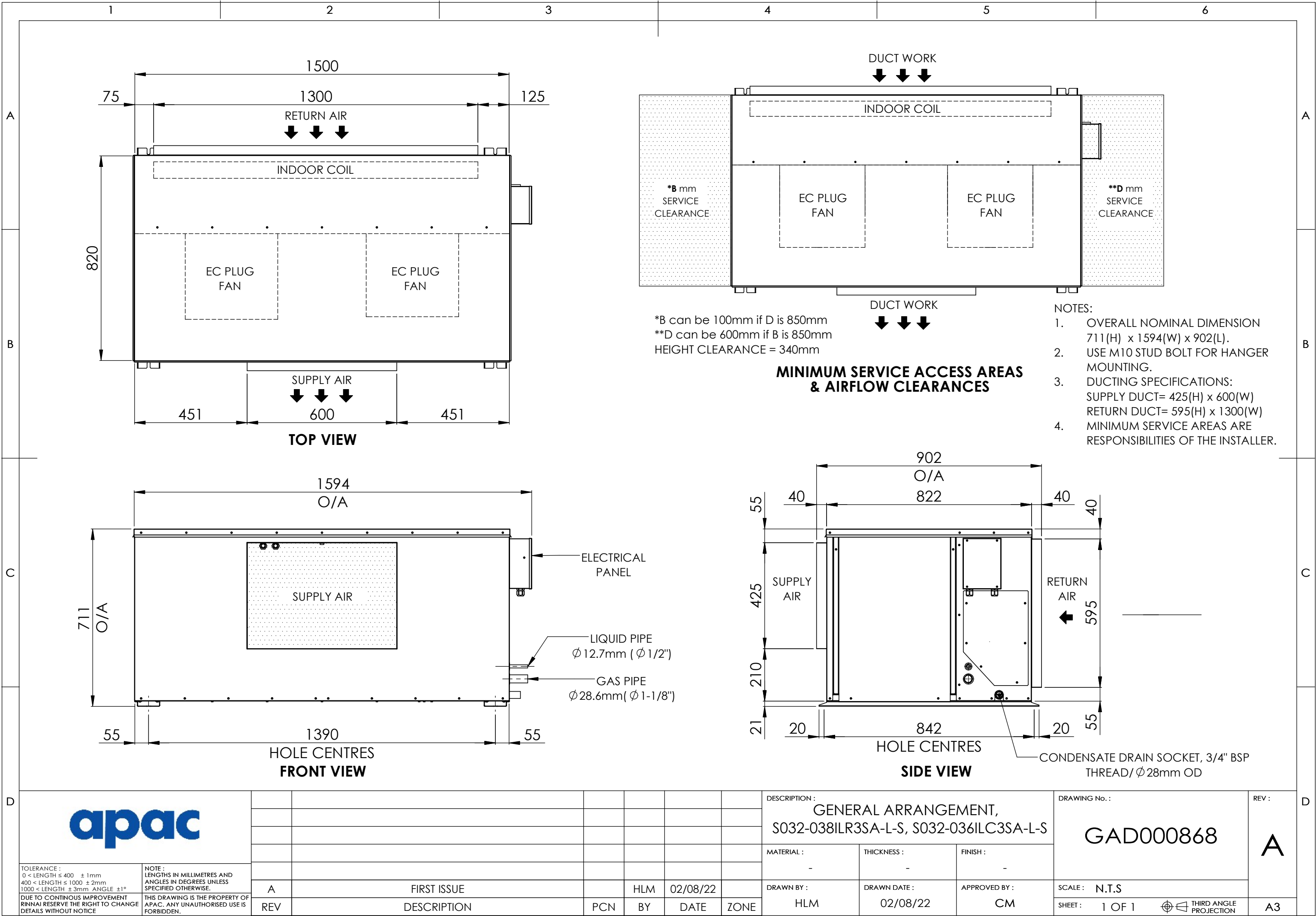


D								DESCRIPTION : GENERAL ARRANGEMENT, S032-038OVR3SA-L-S, S032-036OVC3SA-L-S			DRAWING No. :  GAD000825		REV :  A	D
	TOLERANCE : 0 < LENGTH ≤ 400 ± 1mm 400 < LENGTH ≤ 1000 ± 2mm 1000 < LENGTH ± 3mm ANGLE ±1°		NOTE : LENGTHS IN MILLIMETRES AND ANGLES IN DEGREES UNLESS SPECIFIED OTHERWISE.											
	A	FIRST ISSUE				HLM	19/07/22		DRAWN BY : RZL	DRAWN DATE : 19/07/22	APPROVED BY : CM	SCALE : N.T.S		
	REV	DESCRIPTION			PCN	BY	DATE	ZONE				SHEET : 1 OF 1	 THIRD ANGLE PROJECTION	



# TECHNICAL DATA SHEET

MODEL NUMBER		Indoor	S027ILC3SA-F-S	S032ILC3SA-F-S	S038ILC3SA-F-S	S043ILC3SA-F-S	S048ILC3SA-F-S
		Outdoor	S027OVC3SA-L-S	S032OVC3SA-L-S	S038OVC3SA-L-S	S043OVC3SA-L-S	S048OVC3SA-L-S
OUTDOOR SECTION	CAPACITY						
	Cooling	kW TOTAL*	28.65	33.25	39.42	45.97	47.18
		kW SENSIBLE*	21.60	25.88	29.76	33.69	35.97
		EER (kW / ikW)*	3.34	3.22	3.23	3.23	3.04
	CAPACITY STEPS (%)		0/100	0/100	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		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)		0.39	0.39	0.39	0.39	0.39
	PHASE		1Ø	1Ø	1Ø	1Ø	1Ø
	No. OFF		2	2	2	2	2
	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		1	1	1	1	1
	REFRIGERANT CONTROL		TXV				
	DIMENSIONS						
H X W X D (mm)		1440 x 1897 x 900	1643 x 1897 x 900		1846 x 1897 x 900		
WEIGHT							
OPERATING KG		238	256	309	314	317	
SHIPPING KG		282	300	348	358	360	
ELECTRICAL							
POWER SUPPLY		415v / 3Ø / 50hz					
FLA / RLA (Amps)		26.5 / 17.4	25.2 / 20.2	33.6 / 22.1	35.2 / 24.9	37.6 / 28.3	
INDOOR SECTION	FAN						
	TYPE		EC PLUG	EC PLUG	EC PLUG	EC PLUG	EC PLUG
	ikW (MAX INPUT)		1.32	1.32	1.32	3.35	3.35
	PHASE		3Ø	3Ø	3Ø	3Ø	3Ø
	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		1450	1775	1875	2200	2470
	EXT STATIC pa		100				
	DIMENSIONS						
	H X W X D (mm)		711 x 1413 x 902	711 x 1594 x 902		711 x 2292 x 902	
	WEIGHT						
	OPERATING KG		117	125	133	160	160
	SHIPPING KG		166	174	181	210	210
COMBINED SECTIONS	ELECTRICAL						
	POWER SUPPLY		415v / 3Ø / 50hz				
	FLA / RLA (Amps)		2.1 / 1.0	2.1 / 1.4	2.1 / 1.5	5.2 / 1.9	5.2 / 2.4
	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)		18.39	21.50	23.56	26.83	30.70
	MAX. F.L.A. (TOTAL SYSTEM)		28.62	27.26	35.66	38.76	41.16
	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 [Based on condenser fan's sound data]							
SOUND POWER db(A)		67.1	67.5	66.9	67.2	67.2	

**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

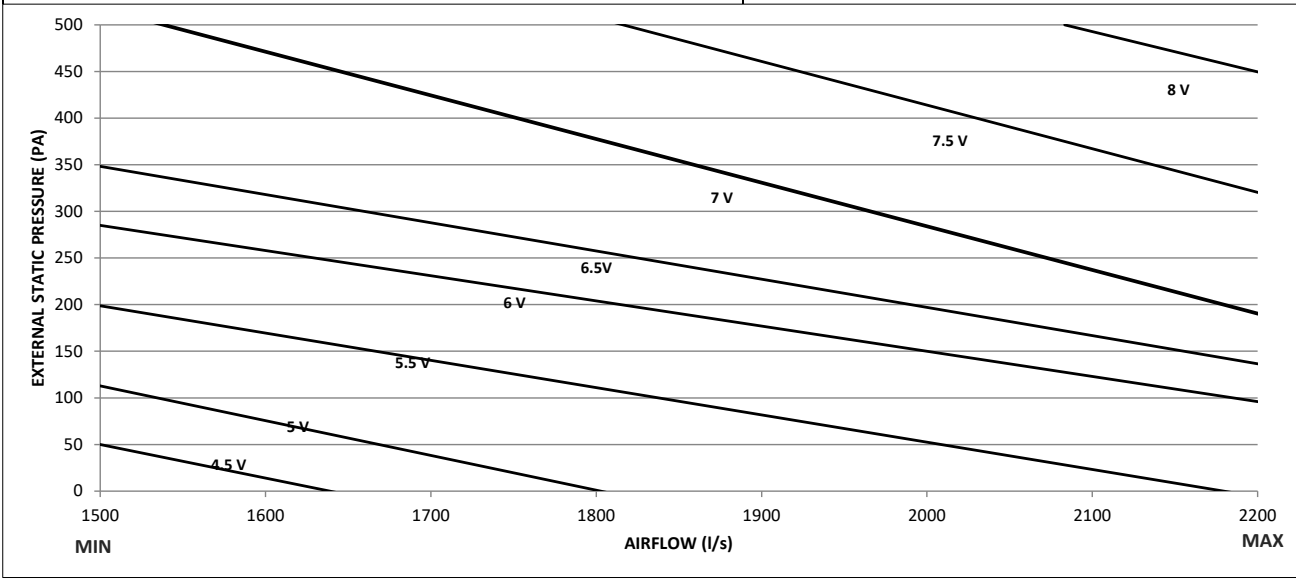
F.L.A - Full Load Amps are based on the overload settings [Max Current] of all Compressor and Fan Motor(s)

Date	Document #	Approved By	Revision
30/1/23	TDS001177	CM	A

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

FAN PERFORMANCE CURVE

S036-038ILR(C)3SA-F-S



- Note:
- 1. 4V, 4.5V, 5V, 5.5V, 6V, 6.5V, 7V and 7.5V represents potentiometer voltage. Potentiometer can be adjusted to achieve desired flowrates.
  - 2. Potentiometer voltage can be varied infinitely between 0 to 10V.

Date	Document #	Approved By	Revision
17/5/23	FPD001299	CM	A

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



**HIGH EFFICIENCY  
SPLIT OUTDOOR / INDOOR LOW PROFILE  
R410A REFRIGERANT**

## SOUND DATA TABLE

<b>MODEL NUMBER</b>	<b>S036-038OVR(C)3SA-L-S / S036-038ILR(C)3SA-F-S</b>
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### Outdoor Fan

Sound Power Level dB(A)	Octave band Centre Frequency (hz), dB						
	125	250	500	1k	2k	4k	8k
66.9	72.8	62.1	62.3	62.3	60	53.6	50.2

### Indoor Fan

Sound Power Level dB(A)	Air Flow (l/s)	Octave band Centre Frequency (hz), dB						
		125	250	500	1k	2k	4k	8k
82.9	1875	68.7	72.9	76	79	76	74.7	69.1

Date	Document #	Approved By	Revision
16/5/23	SDT001294	CM	A

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