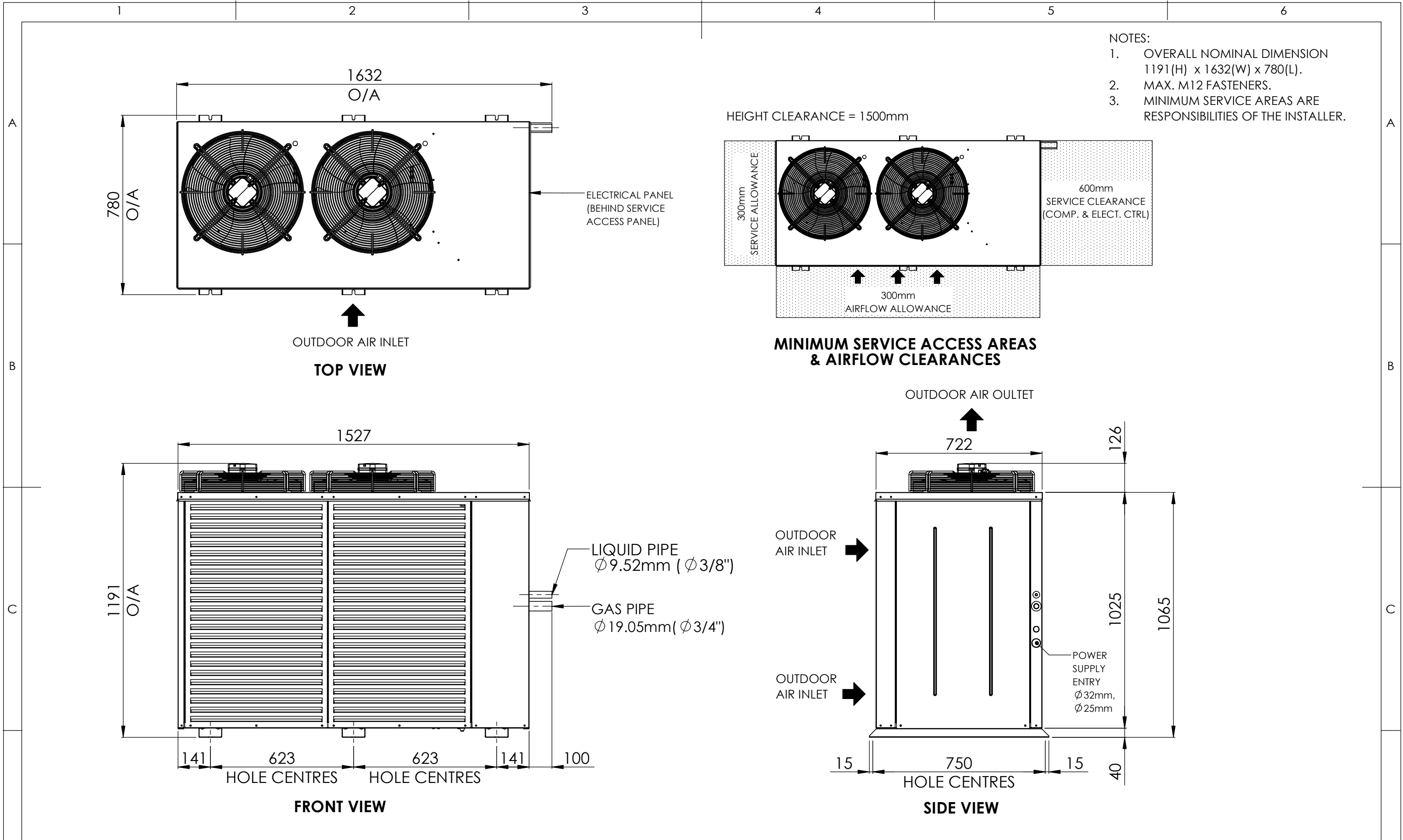




D									DESCRIPTION : GENERAL ARRANGEMENT, S020-023OVR3SA-L-S, S020-023OVC3SA-L-S			DRAWING No. : GAD000252		REV : A		D										
	TOLERANCE : 0 < LENGTH ≤ 400 ± 1mm 400 < LENGTH ≤ 1000 ± 2mm 1000 < LENGTH ± 3mm ANGLE ±1°		NOTE : LENGTHS IN MILLIMETRES AND ANGLES IN DEGREES UNLESS SPECIFIED OTHERWISE.																							
	A	FIRST ISSUE							HLM	24/06/22	N/A	DRAWN BY : HALIM		DRAWN DATE : 24/06/22			APPROVED BY : CM		SCALE : N.T.S		SHEET : 1 OF 1		 THIRD ANGLE PROJECTION		A3	
	REV	DESCRIPTION					PCN	BY	DATE	ZONE																

TECHNICAL DATA SHEET

TECHNICAL DATA SHEET							
MODEL NUMBER		Indoor	S012ILC1SA-F-S	S015ILC1SA-F-S	S018ILC1SA-F-S	S020ILC1SA-F-S	S023ILC1SA-F-S
		Outdoor	S012OVC3SA-L-S	S015OVC3SA-L-S	S018OVC3SA-L-S	S020OVC3SA-L-S	S023OVC3SA-L-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	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)		3.95	5.3	5.7	7.3	6.8
	No. OF CIRCUITS		1	1	1	1	1
	REFRIGERANT CONTROL		TXV				
	DIMENSIONS						
	H X W X D (mm)		1091 X 1455 X 680			1191 x 1632 x 780	
	WEIGHT						
	OPERATING KG		147	159	166	191	191
	SHIPPING KG		178	190	197	227	227
	ELECTRICAL						
	POWER SUPPLY		415v / 3Ø / 50hz				
	FLA / RLA (Amps)		9.7 / 6.5	12 / 7.5	13.5 / 9.1	17.4 / 9.4	17.4 / 10.3
INDOOR SECTION	FAN						
	TYPE		TWIN DECK BLOWER	TWIN DECK BLOWER	TWIN DECK BLOWER	TWIN DECK BLOWER	TWIN DECK BLOWER
	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				
	DIMENSIONS						
	H X W X D (mm)		444 x 1292 x 691			455 x 1561 x 741	
	WEIGHT						
	OPERATING KG		44	48	48	65	65
	SHIPPING KG		71	75	75	102	102
	ELECTRICAL						
	POWER SUPPLY		230v / 1Ø / 50hz				
	FLA / RLA (Amps)		4.4 / 2.1	4.4 / 3.8	4.4 / 4.0	5.9 / 4.2	5.9 / 4.8
COMBINED SECTIONS	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)		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		12MM 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)		9.5 (3/8")	9.5 (3/8")	9.5 (3/8")	9.5 (3/8")	9.5 (3/8")
	GAS mm (inch)		19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	22.2 (7/8")	22.2 (7/8")
	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)		61.7	61.7	61.7	66.6	66.6

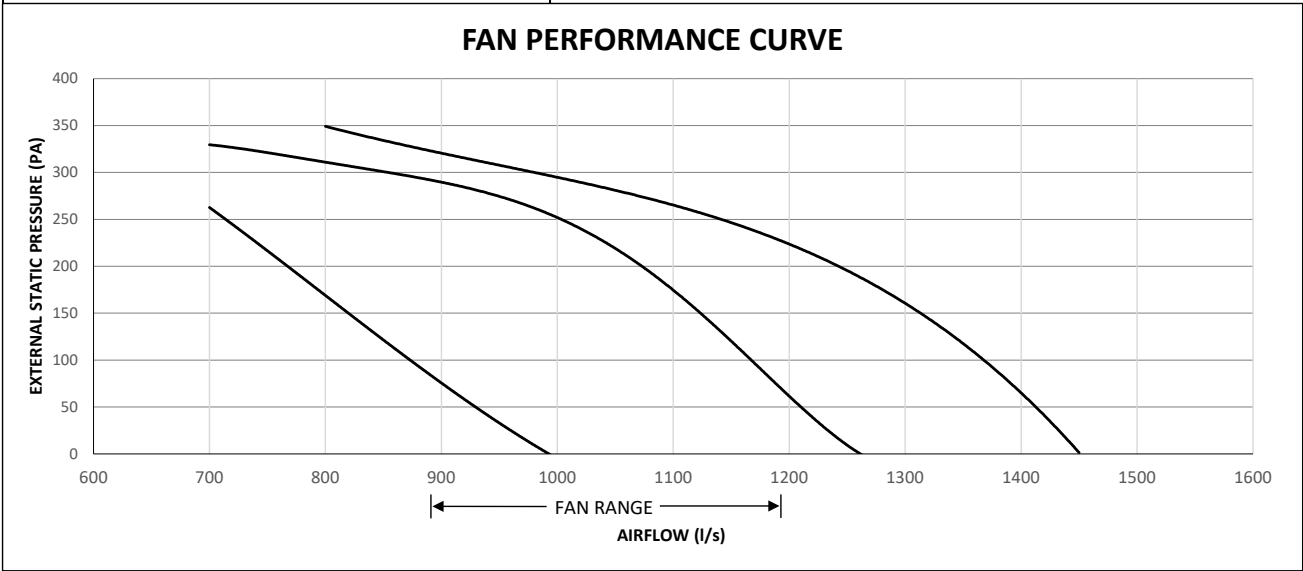
Note: Rated in accordance with AHRI 210/240 or 340/360
Performance excludes kW of indoor fan motor
R.L.A - Run Load Amps are based on current drawn at nominal conditions
F.L.A - Full Load Amps are based on the overload settings [Max Current] of all Compressor and Fan Motor(s)

Date	Document #	Approved By	Revision
21/12/21	TDS000523	CM	A

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

FAN PERFORMANCE DATA

S020ILR(C)1SA-F-S



Date	Document #	Approved By	Revision
3/11/21	FPD000430	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

MODEL NUMBER

S020OVR(C)3SA-L-S / S020ILR(C)1SA-F-S

Outdoor Fan

Sound Power Level dB(A)	Octave band Centre Frequency (Hz), dB						
	125	250	500	1k	2k	4k	8k
66.6	76.7	62.2	57.1	58.7	60.9	57	47.7

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	1040	74.8	75.6	74.8	72.4	68.9	65.1	59.8

Date	Document #	Approved By	Revision
3/11/21	SDT000435	CM	A

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