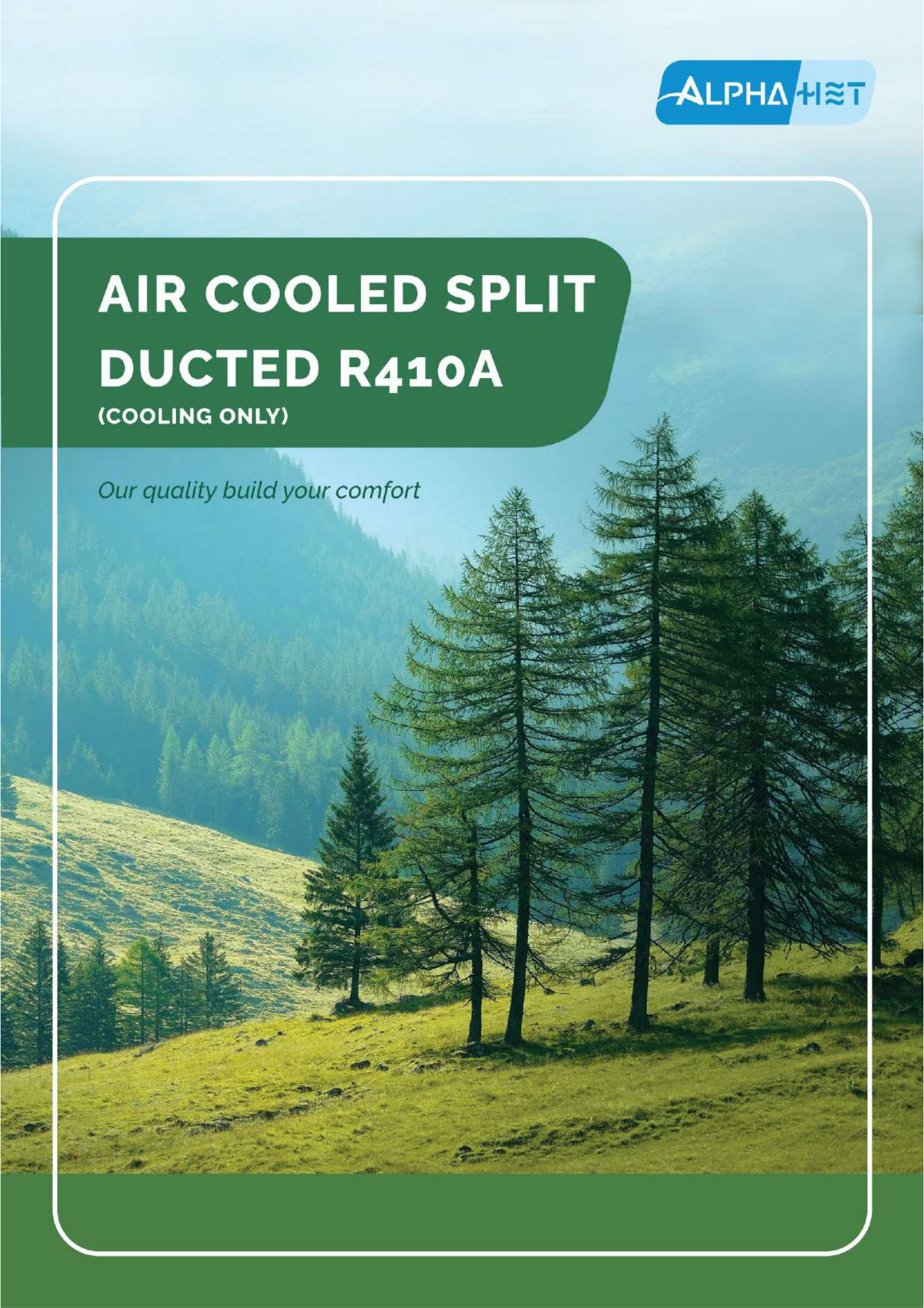
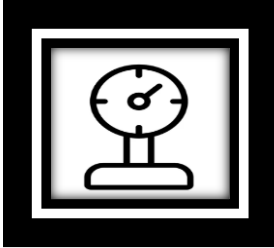


AIR COOLED SPLIT DUCTED R410A (COOLING ONLY)

Our quality build your comfort

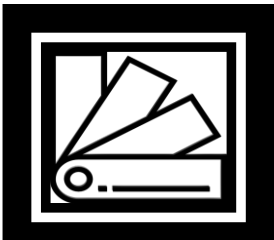


Features



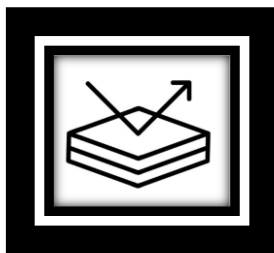
Hermetic Scroll Compressor

High efficiency, stable, high durability and quiet operation.



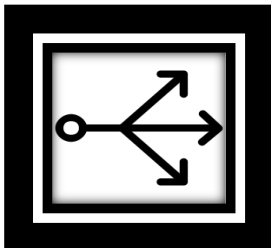
Wide Range of Products

Wide range of cooling capacity to cater for various needs.



Double skin as Option

Double skin to provide higher level of quiet operation and elegant outlook.



Multi Circuit Design

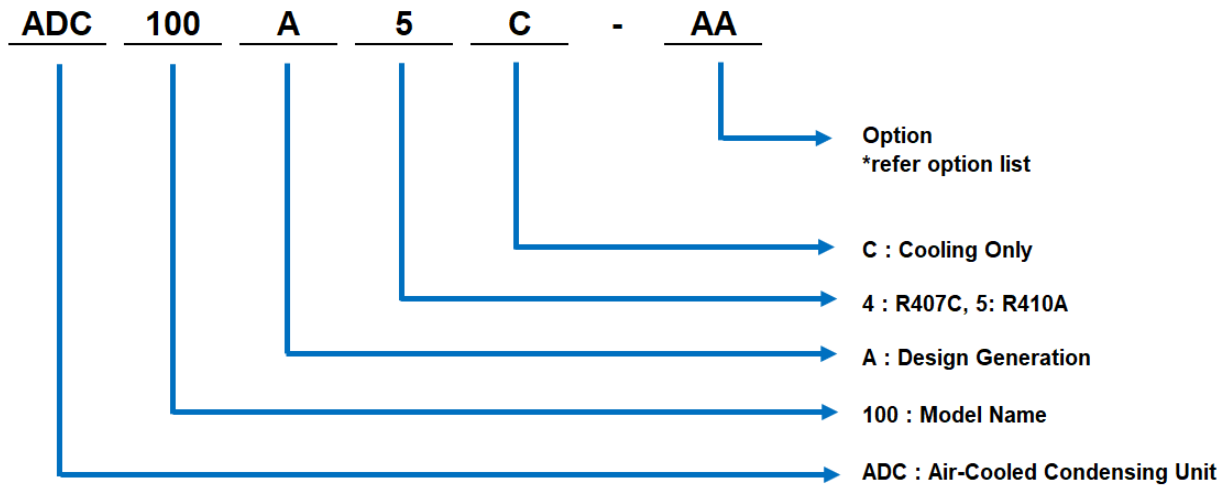
Multiple circuit design to enable part loading and energy saving



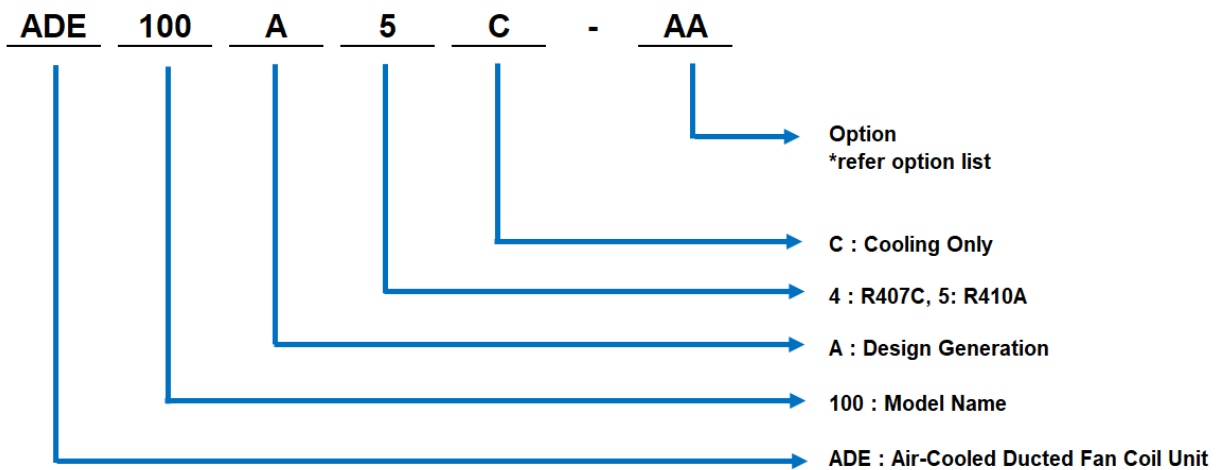
Technical Performance Guarantee

Coil selection by certified AHRI software.

Air-Cooled Condensing Unit (Outdoor)



Air-Cooled Ducted Unit (Indoor)



Option list

Controller & Ball valve

AA	W/O controller, W/O ball valve
BA	With controller, W/O ball valve
BB	With controller, With ball valve

Coil Coating

XC	Epoxy Coating
HC	Heresite Coating

Specification Data

MODEL			ADE080	ADE100	ADE125	ADE150	ADE200	ADE250	ADE300	
			ADC080	ADC100	ADC125	ADC150	ADC100 x 2	ADC125 x 2	ADC150 x 2	
NOMINAL TOTAL COOLING CAPACITY		kW	23.4	29.3	36.6	44.0	58.6	73.3	87.9	
		Btu/Hr	80,000	100,000	125,000	150,000	200,000	250,000	300,000	
NOMINAL TOTAL POWER INPUT		kW	7.9	11.0	13.9	15.4	22.0	28.7	31.8	
NOMINAL TOTAL RUNNING CURRENT		A	14.2	18.4	24.7	28.8	41.3	51.2	58.5	
COP			2.98	2.68	2.65	2.85	2.66	2.55	2.76	
EER			10.16	9.13	9.03	9.73	9.07	8.71	9.42	
REFRIGERANT TYPE			R410A							
REFRIGERANT CHARGING VOLUME		kg	5.2	7.0	7.5	9.5	7.0 x 2	7.5 x 2	9.5 x 2	
OUTDOOR UNIT	POWER SUPPLY			380~415V / 3Ph / 50Hz						
	COMPRESSOR	TYPE		FULLY HERMETIC SCROLL TYPE						
		QUANTITY		1	1	1	1	2	2	2
		NOMINAL POWER INPUT	kW	6.7	8.8	11.8	12.8	17.7	23.7	25.7
		NOMINAL CURRENT	A	12.8	16.5	20.8	23.5	32.9	41.6	47.0
	CONDENSER	TYPE		AL-CU FINNED TUBE HEAT EXCHANGER						
		AREA	m2	1.19	1.65	1.65	1.65	3.29	3.29	3.29
	CONDENSER FAN	TYPE		HIGH EFFICIENCY AXIAL FAN						
		DRIVE		DIRECT DRIVE						
		QUANTITY		1	1	1	1	2	2	2
	MOTOR	POWER INPUT	kW	0.62	1.00	1.05	1.35	2.01	2.10	2.71
		RUNNING CURRENT	A	1.47	1.99	2.05	2.52	3.98	4.10	5.04
		QUANTITY	pcs	1	1	1	1	2	2	2
	OUTDOOR UNIT OUTLINE DIMENSIONS	LENGTH	mm	1,230	1,100	1,100	1,100	1,100 x 2	1,100 x 2	1,100 x 2
		WIDTH	mm	490	1,054	1,054	1,054	1,054 x 2	1,054 x 2	1,054 x 2
		HEIGHT	mm	946	1,026	1,026	1,026	1,026 x 2	1,026 x 2	1,026 x 2
	NET WEIGHT		kg	137	177	179	195	177 x 2	179 x 2	195 x 2
INDOOR UNIT	POWER SUPPLY			220~240V / 1Ph / 50Hz		380~415V / 3Ph / 50Hz				
	EVAPORATOR	TYPE		AL-CU FINNED TUBE HEAT EXCHANGER						
		AREA	m2	0.48	0.57	0.73	0.86	1.14	1.45	1.68
	EVAPORATOR FAN	TYPE		CENTRIFUGAL FAN						
		DRIVE		DIRECT DRIVE			BELT DRIVEN			
		QUANTITY	pcs	2	2	1	1	1	1	1
	MOTOR	TYPE		SQUIRREL CAGE INDUCTION MOTOR						
		POWER INPUT	kW	0.536	1.11	0.971	1.24	2.36	2.94	3.48
		POWER OUTPUT	kW	0.7	1.1	1.5	1.5	3	4	4
		NOMINAL CURRENT	A	0	0	1.78	2.74	4.38	5.45	6.46
		QUANTITY	pcs	2	2	1	1	1	1	1
	AIR FLOW		l/s	1,083	1,389	1,736	2,083	2,778	3,472	4,167
			m3/h	3,900	5,000	6,250	7,500	10,000	12,500	15,000
	STANDARD EXTERNAL STATIC PRESSURE		Pa	145	175	200	200	225	300	300
	SOUND PRESSURE LEVEL		dB(A)	66	67	65	65	69	72	69
	INDOOR UNIT OUTLINE DIMENSIONS	LENGTH	mm	1,840	2,140	2,190	2,290	2,290	2,290	2,290
		WIDTH	mm	1,145	1,145	1,345	1,345	1,345	1,471	0
		HEIGHT	mm	1,300	1,300	1,400	1,500	1,600	1,900	2,200
	NET WEIGHT		kg	79	83	156	156	193	320	334
	DRAIN PIPE		inch	1"	1"	1"	1"	1"	1"	1"
			DN	DN25	DN25	DN25	DN25	DN25	DN25	DN25
CONNECTIONS		COPPER CONNECTION (GAS PIPE)	inch	1/2"	1/2"	1/2"	5/8"	1/2"	1/2"	5/8"
			mm	12.7	12.7	12.7	15.88	12.7	12.7	15.88
		COPPER CONNECTION (LIQUID PIPE)	inch	7/8"	1"	1-1/8"	1-3/8"	1"	1-1/8"	1-3/8"
			mm	22.2	25.4	28.6	34.9	25.4	28.6	34.9

Note :

- Test conditions of nominal total cooling capacity as below:
 - Indoor Condition: 27°C DB / 19°C WB
 - Outdoor Condition: 35°C DB / 24°C WB
- 25mm PU Panel casing is available upon request
- G2-G4 primary filter is available upon request
- Non standard Air Flow and ESP are available upon request
- Materials and specifications are subject to change without notice due to the manufacturer's ongoing research and development programme

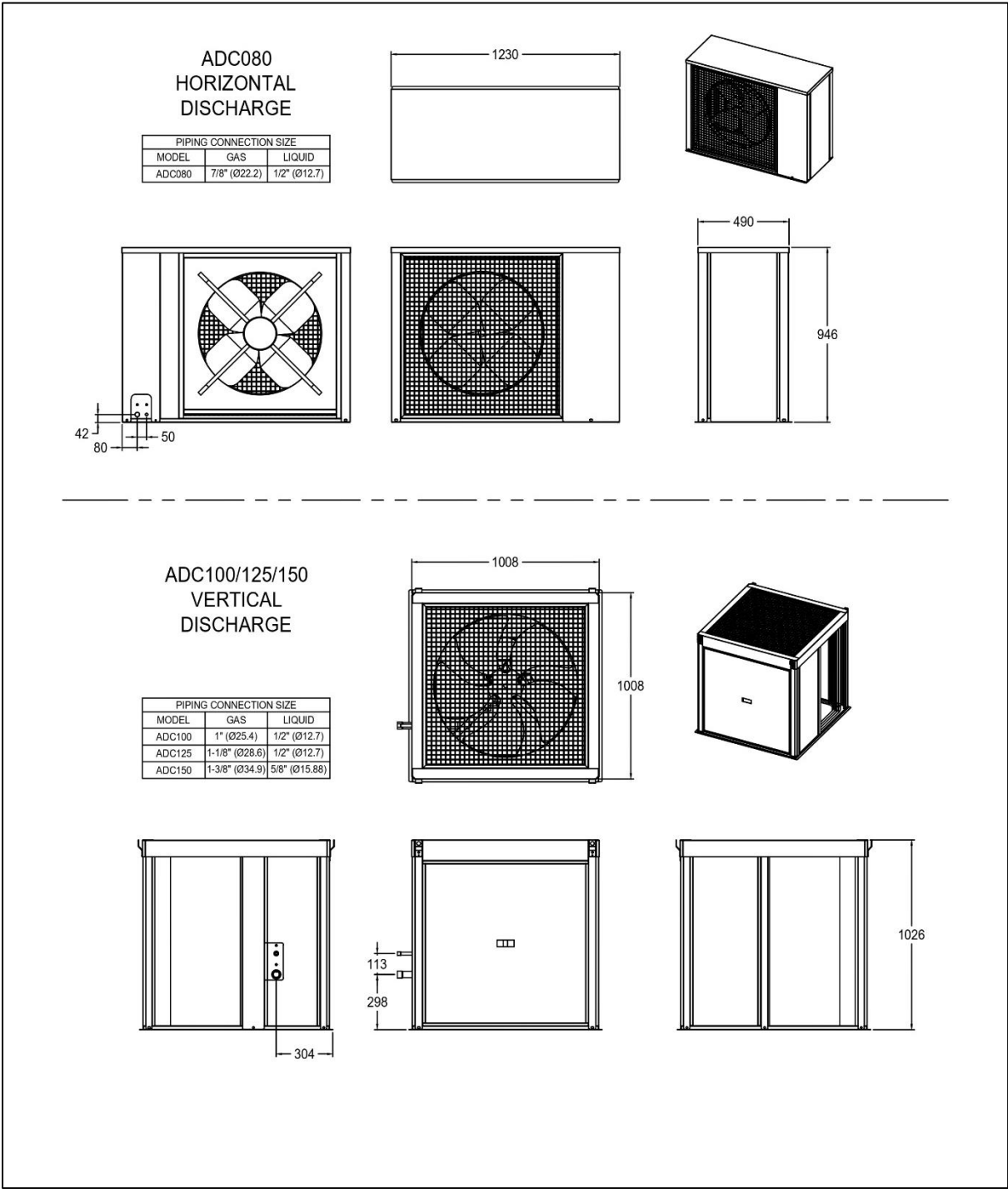
MODEL				ADE350		ADE400	ADE450	ADE500	ADE600	ADE750
				ADC100	ADC125 X2	ADC100 X4	ADC150 X3	ADC125 X4	ADC150 X4	ADC150 X5
NOMINAL TOTAL COOLING CAPACITY			kW	102.6		117.2	131.9	146.5	175.8	219.8
			Btu/Hr	350,000		400,000	450,000	500,000	600,000	750,000
NOMINAL TOTAL POWER INPUT			kW	39.8		43.9	48.2	58.6	65.6	82.5
NOMINAL TOTAL RUNNING CURRENT			A	71.9		82.0	88.0	104.3	119.3	149.7
COP				2.57		2.67	2.74	2.50	2.68	2.66
EER				8.79		9.11	9.34	8.53	9.14	9.09
REFRIGERANT TYPE				R410A						
REFRIGERANT CHARGING VOLUME			kg	7.0	7.5 x 2	7.0 x 4	9.5 x 3	7.5 x 4	9.5 x 4	9.5 x 5
OUTDOOR UNIT	POWER SUPPLY			380~415V / 3Ph / 50Hz						
	COMPRESSOR	TYPE		FULLY HERMETIC SCROLL TYPE						
		QUANTITY		3		4	3	4	4	5
		NOMINAL POWER INPUT	kW	32.5		35.4	38.5	47.3	51.3	64.2
		NOMINAL CURRENT	A	58.1		65.8	70.5	83.3	94.0	117.5
	CONDENSER	TYPE		AL-CU FINNED TUBE HEAT EXCHANGER						
		AREA	m2	4.94		6.58	4.94	6.58	6.58	8.23
	CONDENSER FAN	TYPE		HIGH EFFICIENCY AXIAL FAN						
		DRIVE		DIRECT DRIVE						
		QUANTITY		3		4	3	4	4	5
	MOTOR	POWER INPUT	kW	3.10		4.01	4.06	4.20	5.41	6.77
		RUNNING CURRENT	A	6.09		7.96	7.56	8.20	10.08	12.60
		QUANTITY	pcs	3		4	3	4	4	5
	OUTDOOR UNIT OUTLINE DIMENSIONS	LENGTH	mm	1,100	1,100 X2	1,100 X4	1,100 X3	1,100 X4	1,100 X4	1,100 X5
		WIDTH	mm	1,054	1,054 X2	1,054 X4	1,054 X3	1,054 X4	1,054 X4	1,054 X5
		HEIGHT	mm	1,026	1,026 X2	1,026 X4	1,026 X3	1,026 X4	1,026 X4	1,026 X5
	NET WEIGHT	OUTDOOR UNIT	kg	177	179 X2	177 X4	195 X3	179 X4	195 X4	195 X5
INDOOR UNIT	POWER SUPPLY			380~415V / 3Ph / 50Hz						
	EVAPORATOR	TYPE		AL-CU FINNED TUBE HEAT EXCHANGER						
		AREA	m2	2.01		2.26	2.58	2.77	3.37	3.96
	EVAPORATOR FAN	TYPE		CENTRIFUGAL FAN						
		DRIVE		BELT DRIVEN						
		QUANTITY	pcs	1		1	1	1	1	1
	MOTOR	TYPE		SQUIRREL CAGE INDUCTION MOTOR						
		POWER INPUT	kW	4.24		4.53	5.64	7.11	8.9	11.6
		POWER OUTPUT	kW	5.5		5.5	7.5	11	11	15
		NOMINAL CURRENT	A	7.7		8.23	9.93	12.83	15.29	19.68
		QUANTITY	pcs	1		1	1	1	1	1
	AIR FLOW		l/s	4,861		5,556	6,250	6,944	8,333	10,417
			m3/h	17,500		20,000	22,500	25,000	30,000	37,500
	STANDARD EXTERNAL STATIC PRESSURE		Pa	300		310	330	390	390	430
	SOUND PRESSURE LEVEL		dB(A)	70		70	71	73	71	65
	INDOOR UNIT OUTLINE DIMENSIONS	LENGTH	mm	2,020		2,070	2,170	2,170	2,170	2,170
		WIDTH	mm	1,050		1,320	1,320	1,320	1,700	1,700
		HEIGHT	mm	1,210		1,310	1,410	1,510	1,830	2,150
	NET WEIGHT	INDOOR UNIT	kg	428		483	528	575	890	935
	DRAIN PIPE		inch	1"		1"	1"	1"	1"	1"
			DN	DN25		DN25	DN25	DN25	DN25	DN25
CONNECTIO	CONNECTIONS	COPPER CONNECTION (GAS PIPE)	inch	1/2"	1/2"	1/2"	5/8"	1/2"	5/8"	5/8"
			mm	12.7	12.7	12.7	15.88	12.7	15.88	15.88
		COPPER CONNECTION (LIQUID PIPE)	inch	1"	1-1/8"	1"	1-3/8"	1-1/8"	1-3/8"	1-3/8"
			mm	25.4	28.6	25.4	34.9	28.6	34.9	34.9

Note :

- Test conditions of nominal total cooling capacity as below:
 - Indoor Condition: 27°C DB / 19°C WB
 - Outdoor Condition: 35°C DB / 24°C WB
- 25mm PU Panel casing is available upon request
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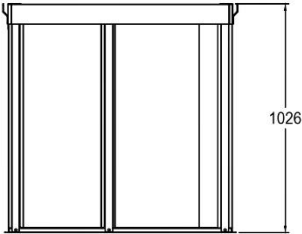
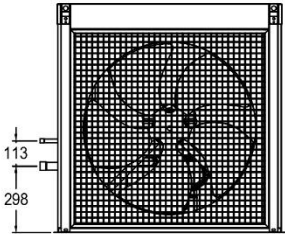
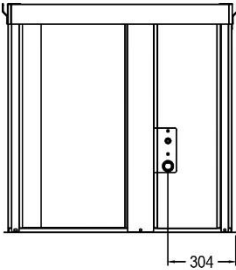
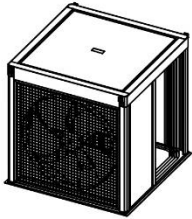
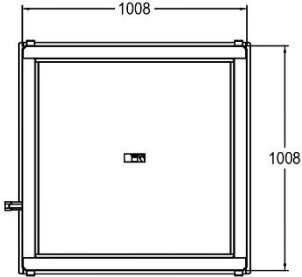
Dimension

Model : ADC080/ADC100/ADC125/ADC150

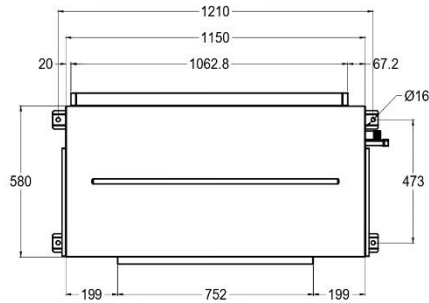


ADC100/125/150
HORIZONTAL
DISCHARGE

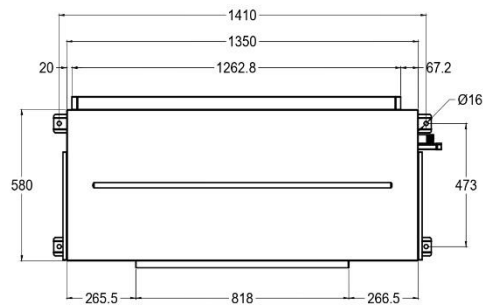
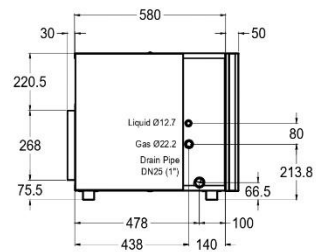
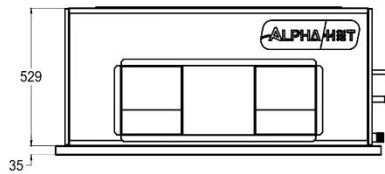
PIPING CONNECTION SIZE		
MODEL	GAS	LIQUID
ADC100	1" (Ø25.4)	1/2" (Ø12.7)
ADC125	1-1/8" (Ø28.6)	1/2" (Ø12.7)
ADC150	1-3/8" (Ø34.9)	5/8" (Ø15.88)



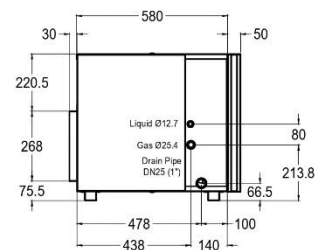
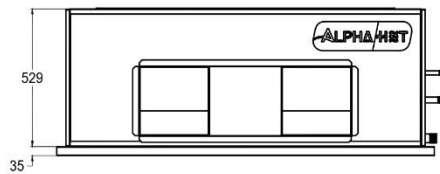
Model : ADE080/ADE100



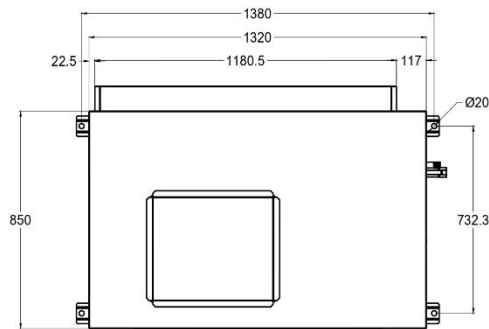
ADE080
HORIZONTAL
DISCHARGE



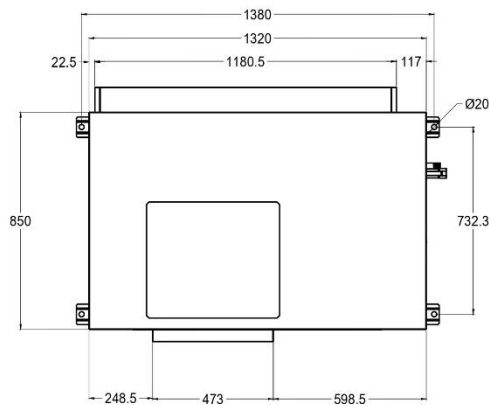
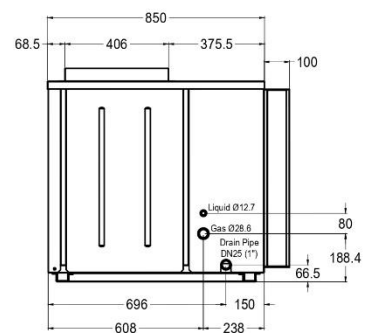
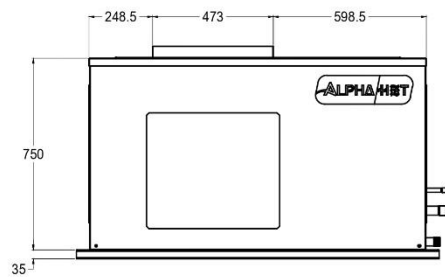
ADE100
HORIZONTAL
DISCHARGE



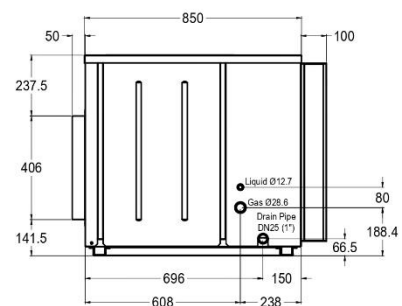
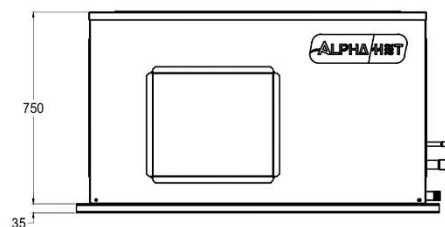
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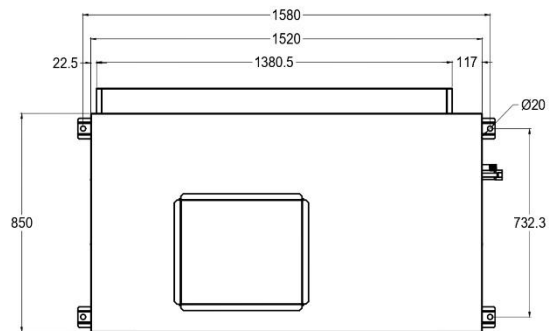
**ADE125
VERTICAL
DISCHARGE**



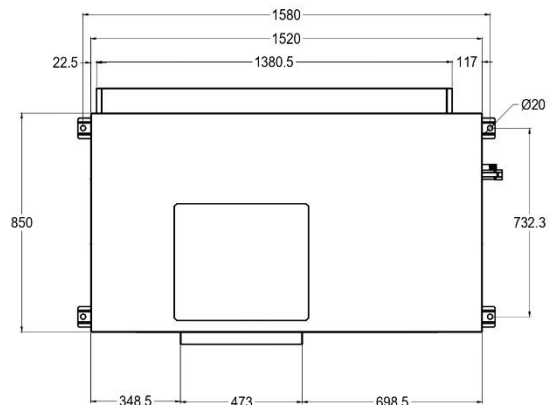
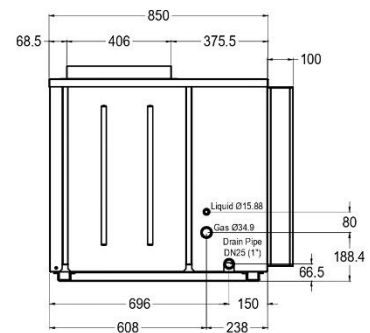
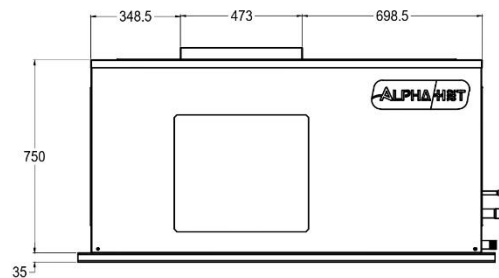
**ADE125
HORIZONTAL
DISCHARGE**



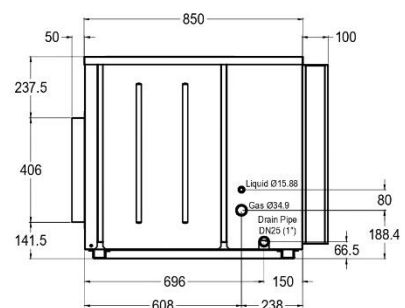
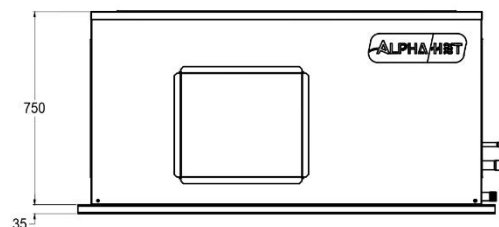
Model : ADE150



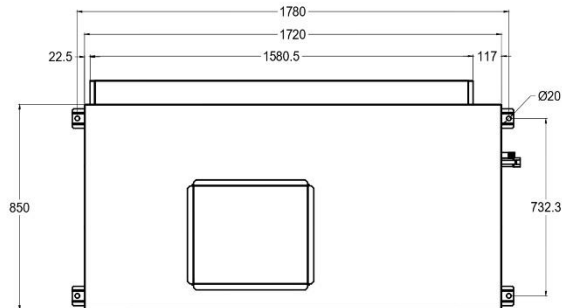
**ADE150
VERTICAL
DISCHARGE**



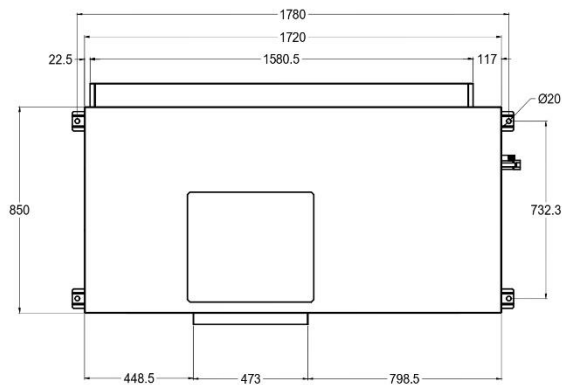
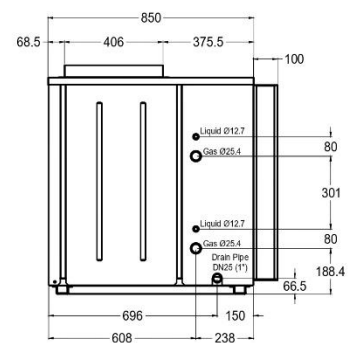
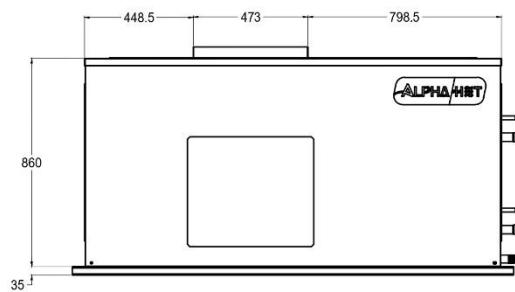
**ADE150
HORIZONTAL
DISCHARGE**



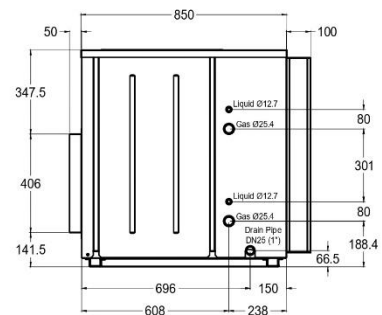
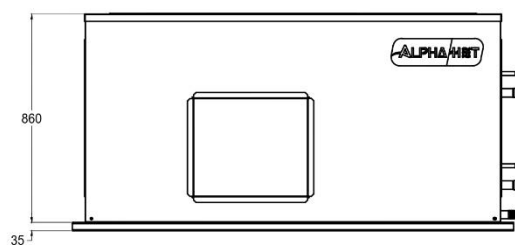
Model : ADE200



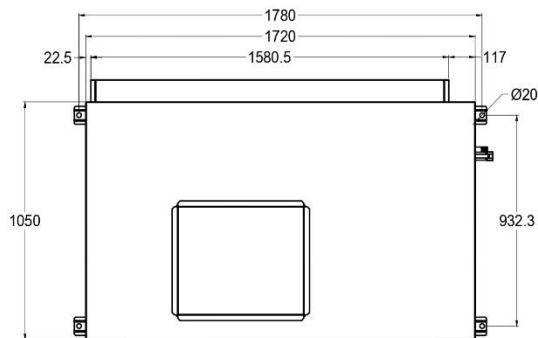
**ADE200
VERTICAL
DISCHARGE**



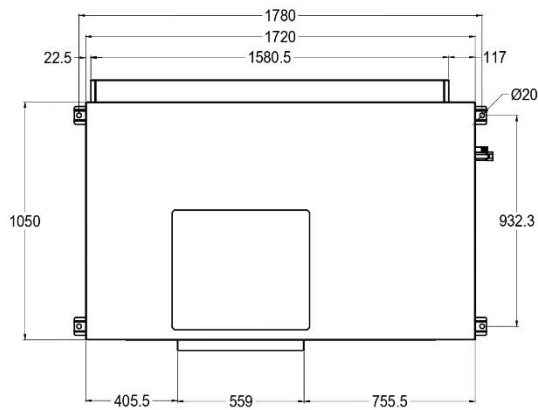
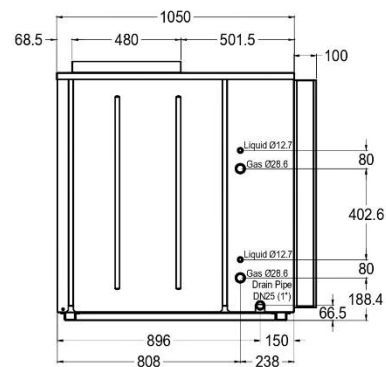
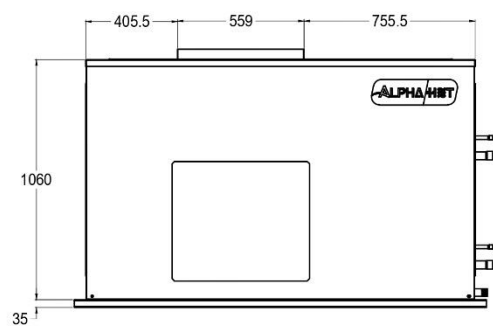
**ADE200
HORIZONTAL
DISCHARGE**



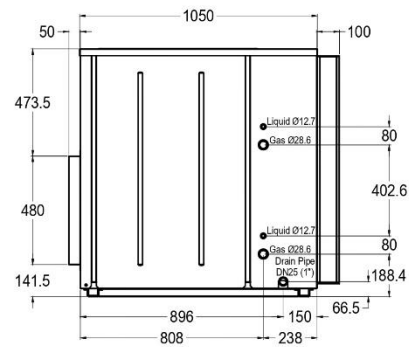
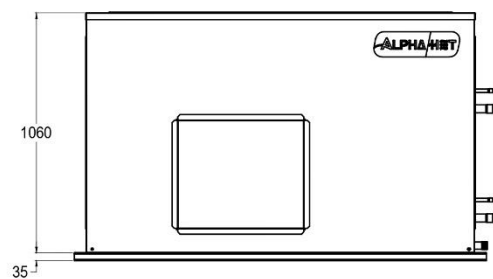
Model : ADE250



**ADE250
VERTICAL
DISCHARGE**



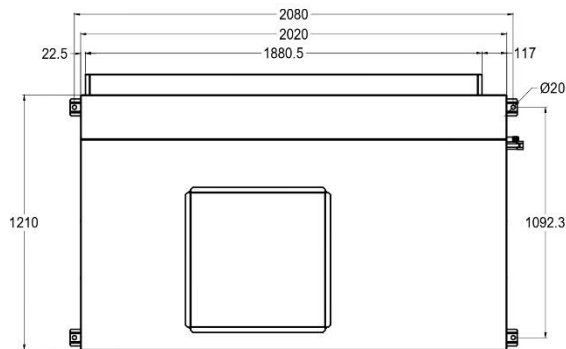
**ADE250
HORIZONTAL
DISCHARGE**



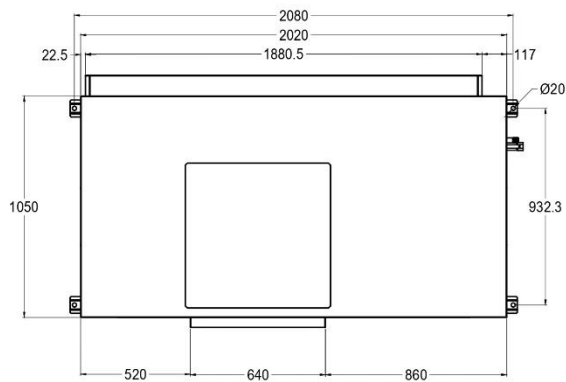
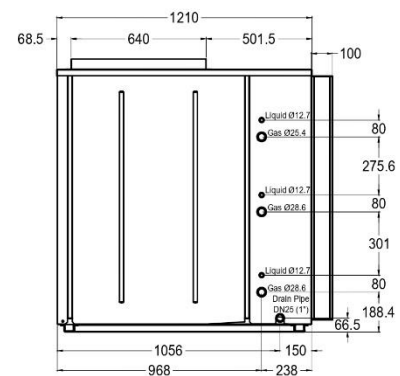
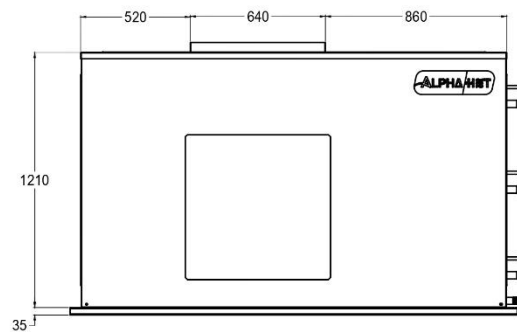
**ADE300
VERTICAL
DISCHARGE**

**ADE300
HORIZONTAL
DISCHARGE**

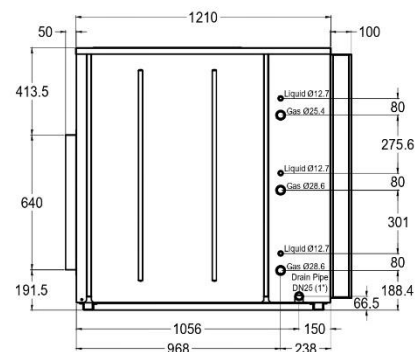
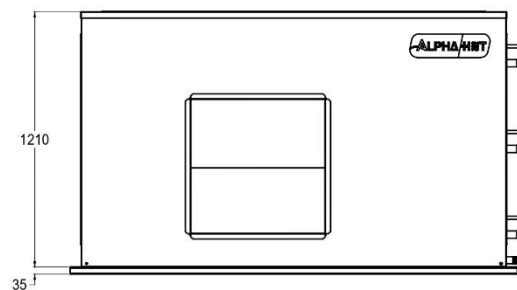
Model : ADE350



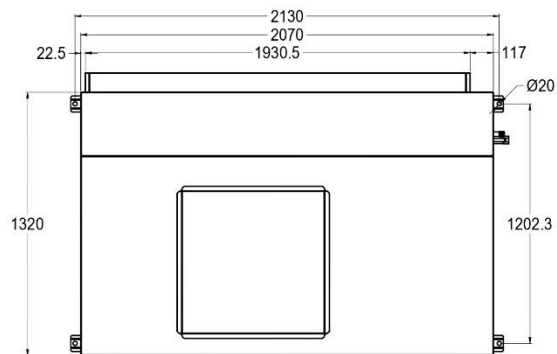
ADE350
VERTICAL
DISCHARGE



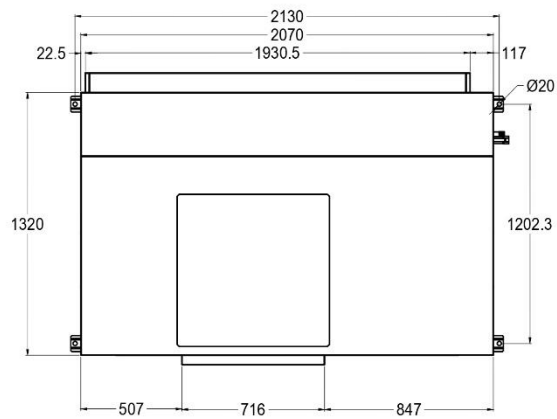
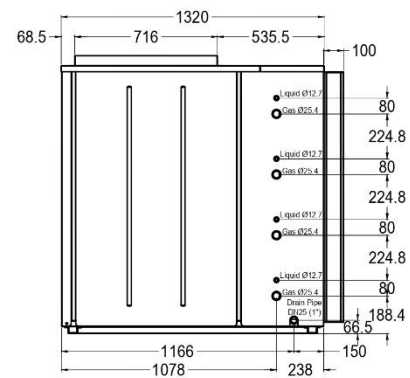
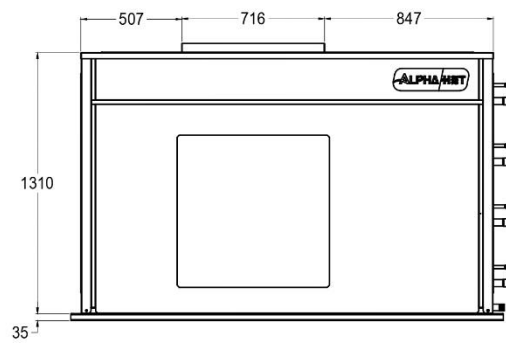
ADE350
HORIZONTAL
DISCHARGE



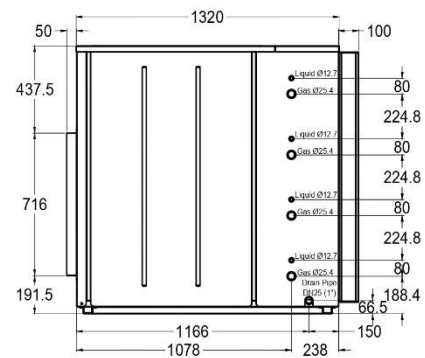
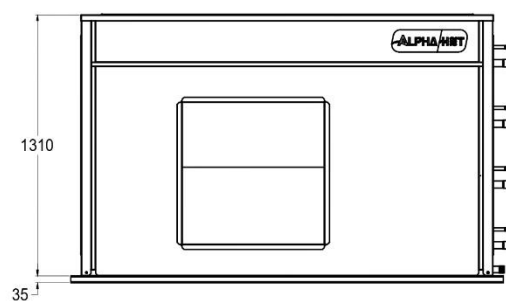
Model : ADE400



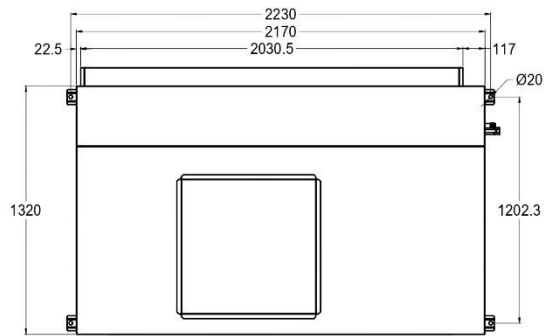
ADE400
VERTICAL
DISCHARGE



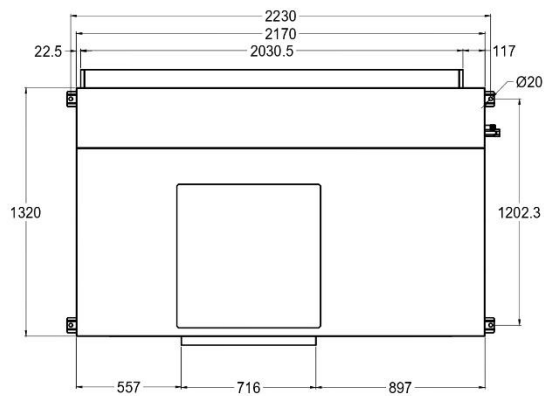
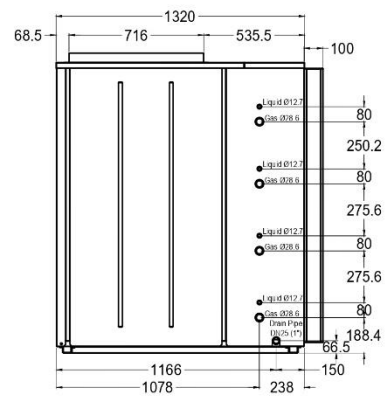
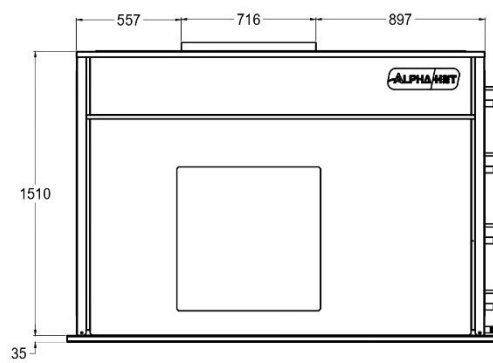
ADE400
HORIZONTAL
DISCHARGE



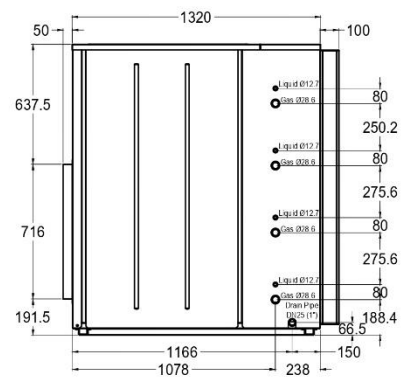
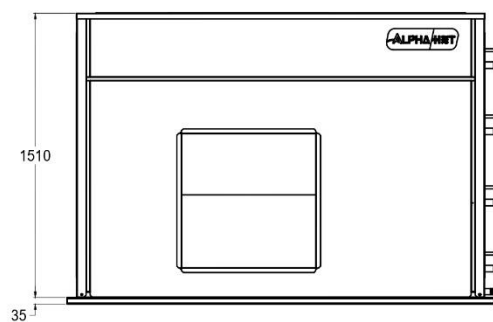
Model : ADE500



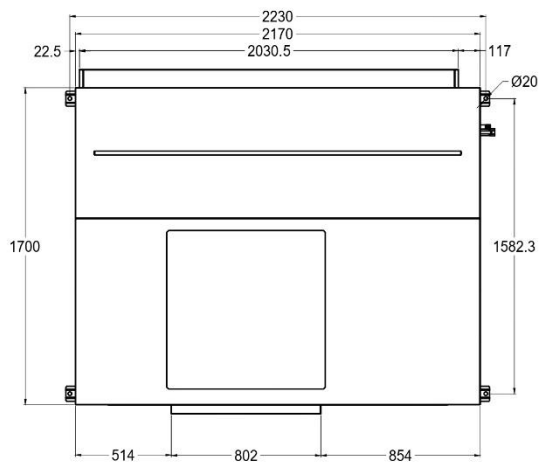
ADE500
VERTICAL
DISCHARGE



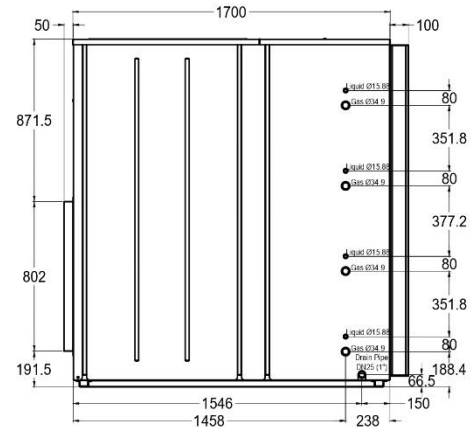
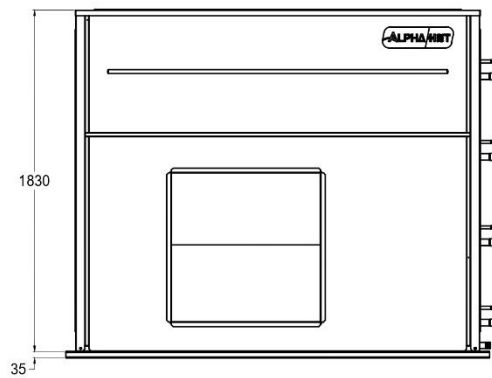
ADE500
HORIZONTAL
DISCHARGE



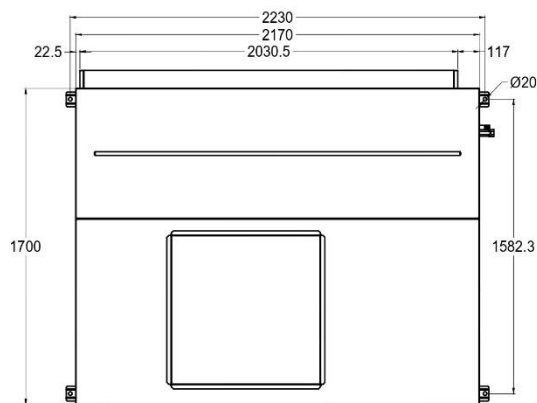
Model : ADE600 (Horizontal Discharge)



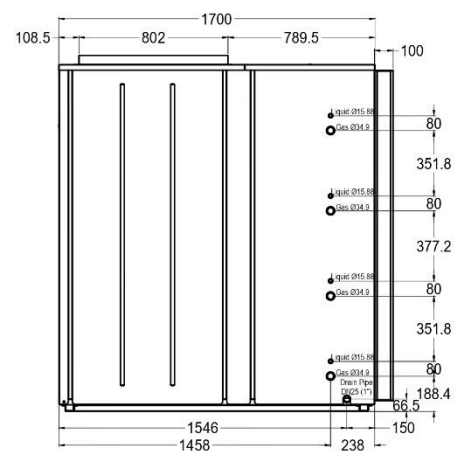
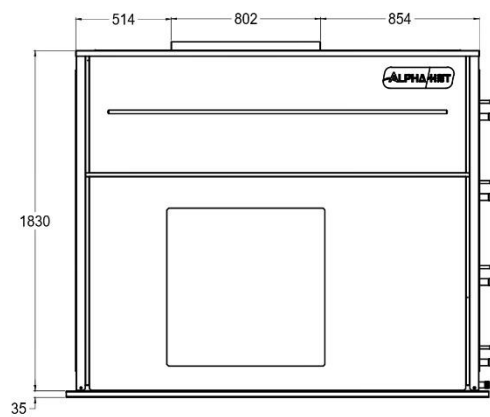
ADE600
HORIZONTAL
DISCHARGE



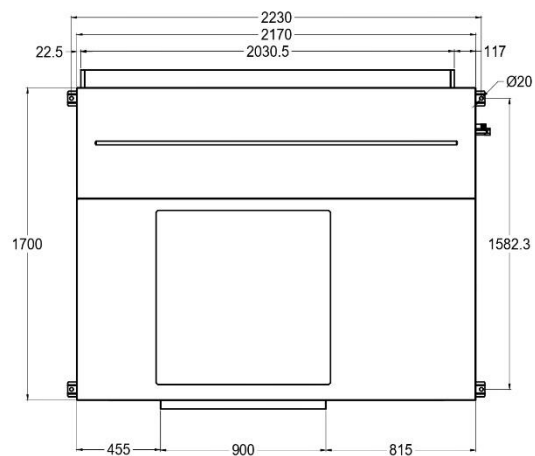
Model : ADE600 (Vertical Discharge)



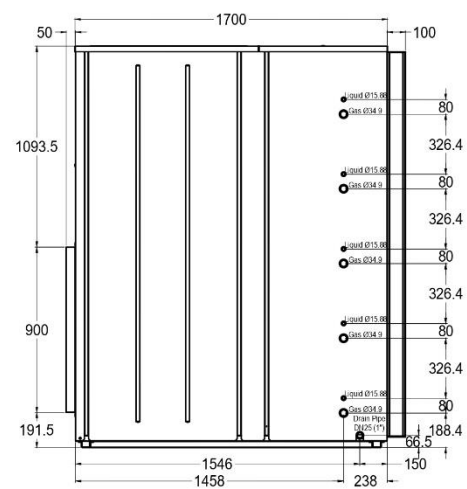
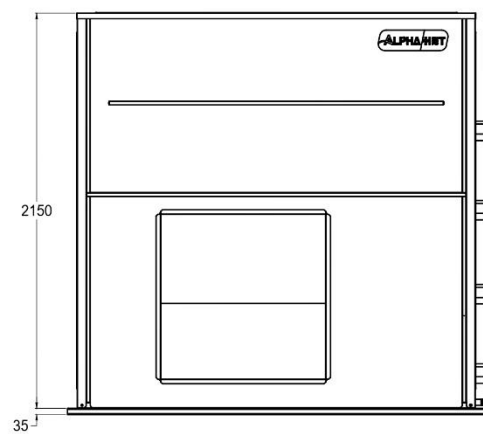
ADE600
VERTICAL
DISCHARGE



Model : ADE750 (Horizontal Discharge)



ADE750
HORIZONTAL
DISCHARGE



[illegible]



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