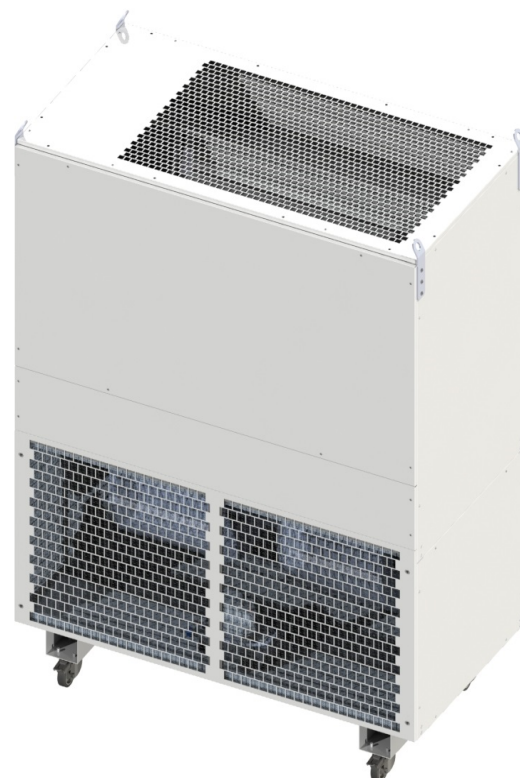




GLYCOLED COOL / HOT WATER FAN COILS

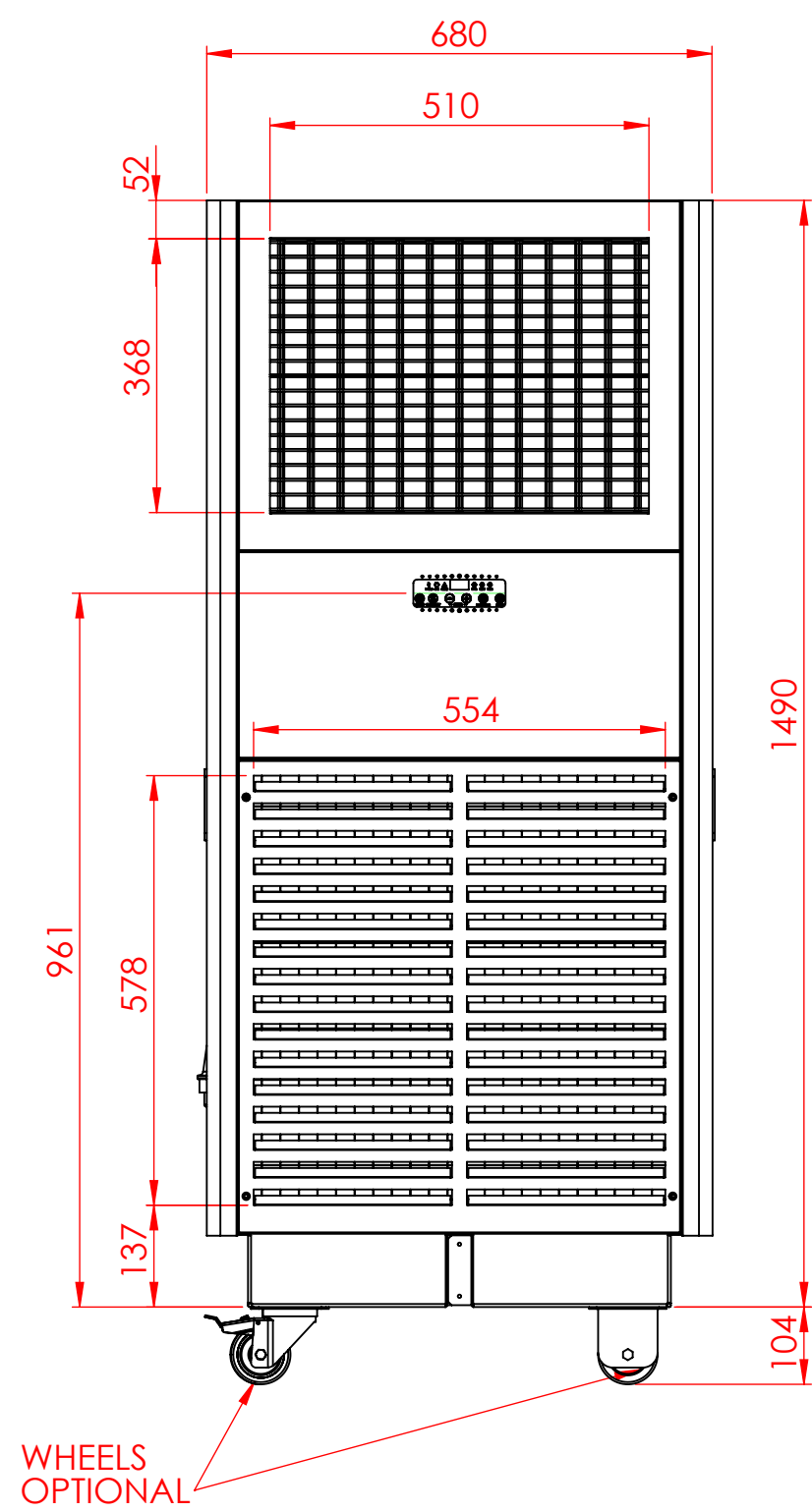
PROFESSIONAL FAN COIL

The professional Fral Fan Coils are a light-weight portable unit capable of offering up to 3,600 m³/hr air flow at maximum fan speed. Main features:

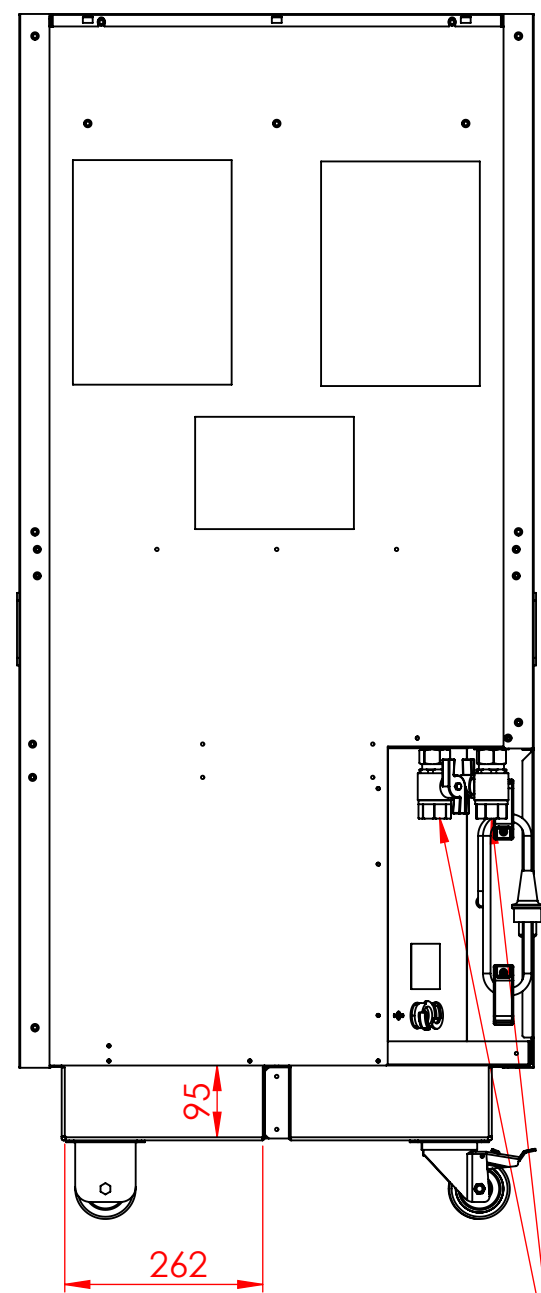
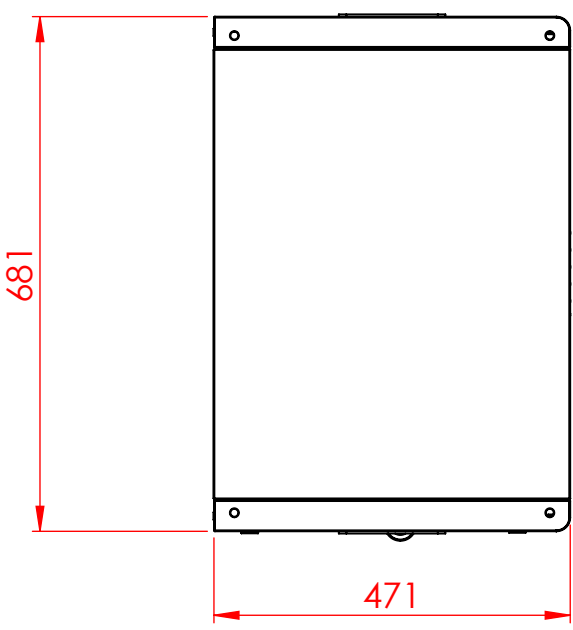
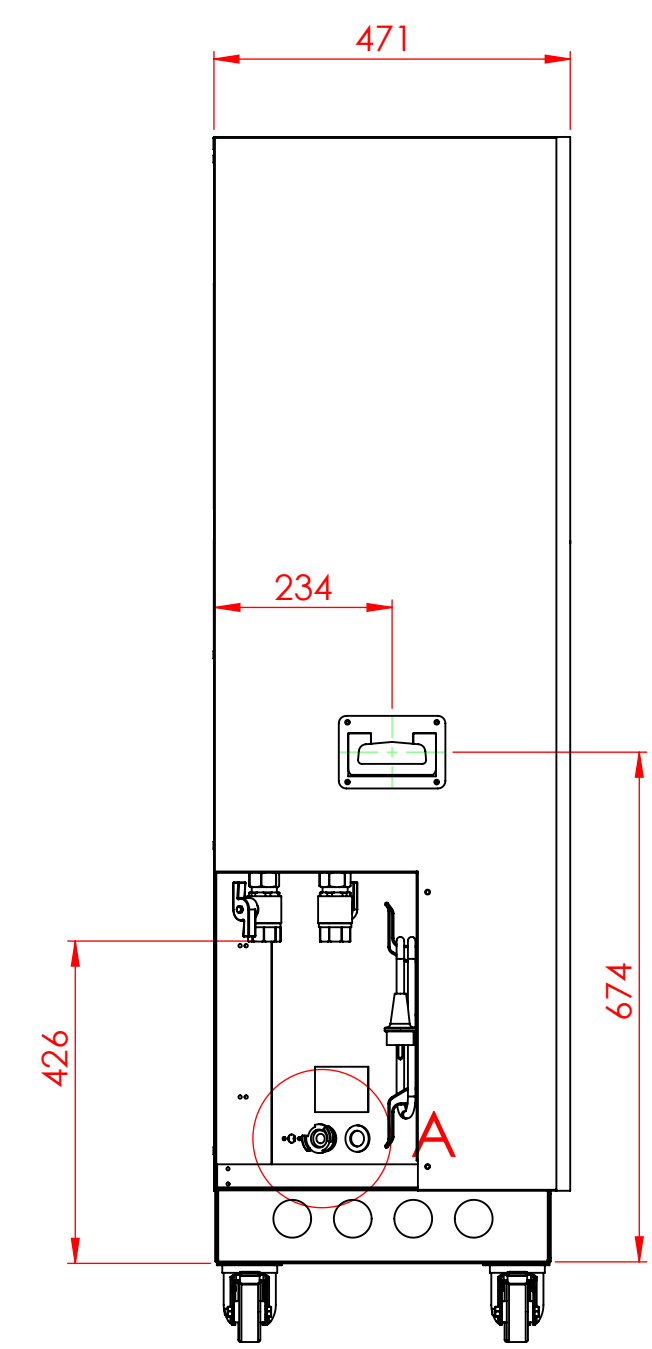
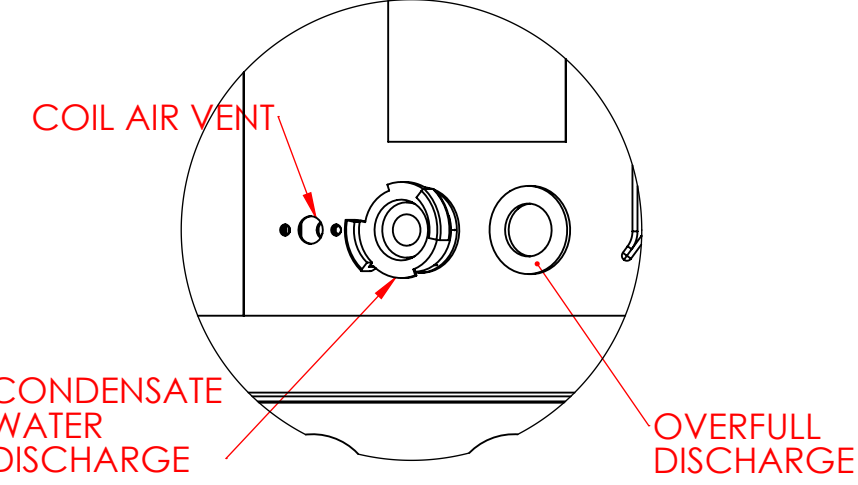
- The unit is equipped with quick release water connections;
- Silent fan motor;
- Nice design;
- Adjustable air discharge grill;
- Electronic control;
- Remote control (optional);
- Single phase standard connection;
- Motorised 3 way valve;
- Automatic Thermostat.

TECHNICAL SPECIFICATIONS

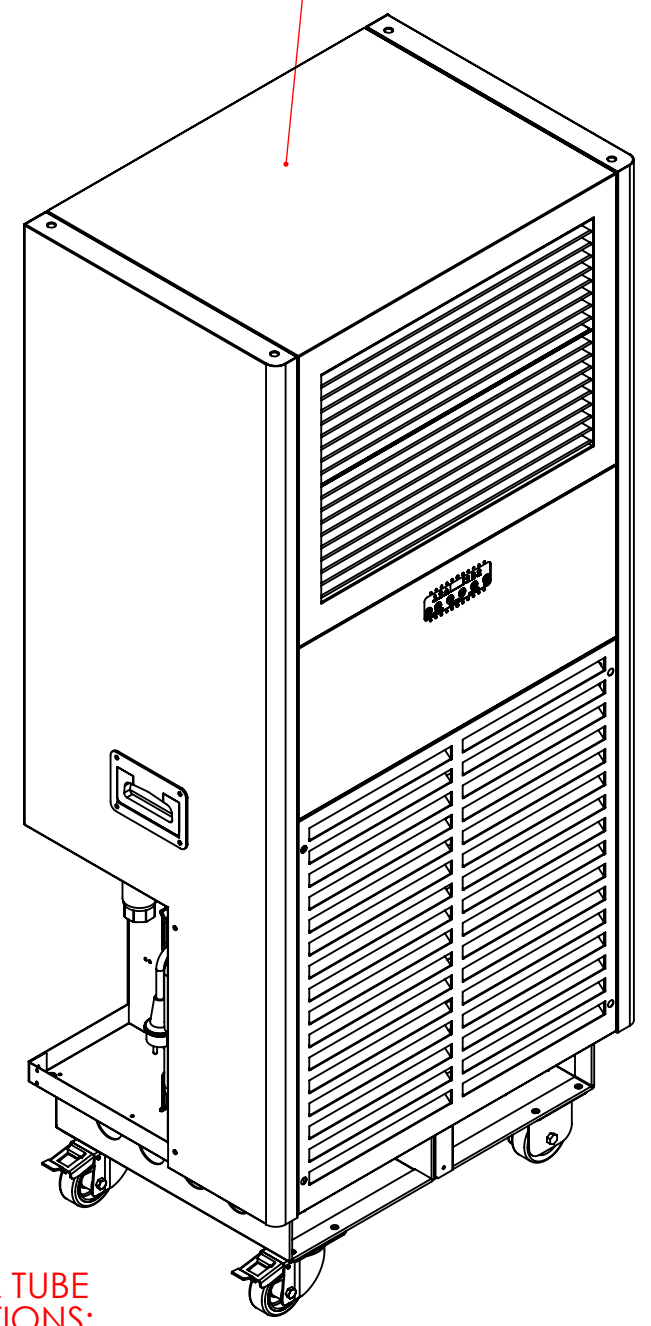
		FAN COIL 20 - 40	FAN COIL 32 - 50	FAN COIL 50 - 70
COOLING AND HEATING CAPACITY				
Cooling Capacity (water 7/12°C, 27°C / 60%)	kW	20	32	50
Heating Capacity (water 80/70°C), 10°C/50% ambient)	kW	40	50	125
OPERATING LIMITS				
Working temperature range	°C	10 / 50	10 / 50	10 / 50
Water on Coil	°C	5/ 80	5/ 80	5/ 80
Fluid Pressure drop	kPa	38	42	48
Max. Working pressure	Bar	6	6	6
Condensate drain connection	Hose tail	3/4"	3/4"	3/4"
Fluid Coupling	Camlock	1"	32 mm / 1 1/4" camlock	32 mm / 1 1/4" camlock
ELECTRIC DATA				
Power supply	V	230/1/50 Hz	230/1/50 Hz	230/1/50 Hz
Max Absorbed Power	kW	0,5	1.7	3.2
Max Current Absorbed	A	1,6	3.3	5.2
Current L.R.A	A	11	12	14
Total Airflow	m ³ /h	1600-1990-2100	2600-2700-3600	5000 -6000-8000
Available pressure	Pa	80	190	210 -200-150
Max Air Throw	m	10/12/18	10/12/18	10/12/18
SOUND				
Sound Pressure Level (at 3 meters free fiel)	dB(A)	53	53	58
DIMENSION AND WEIGHT DATA				
Lenght	mm	520	590	790.5
Width	mm	720	720	1508
Height (without wheels)	mm	1650	1850	1864
Weight	mm	101	129	129



DETTAGLIO A

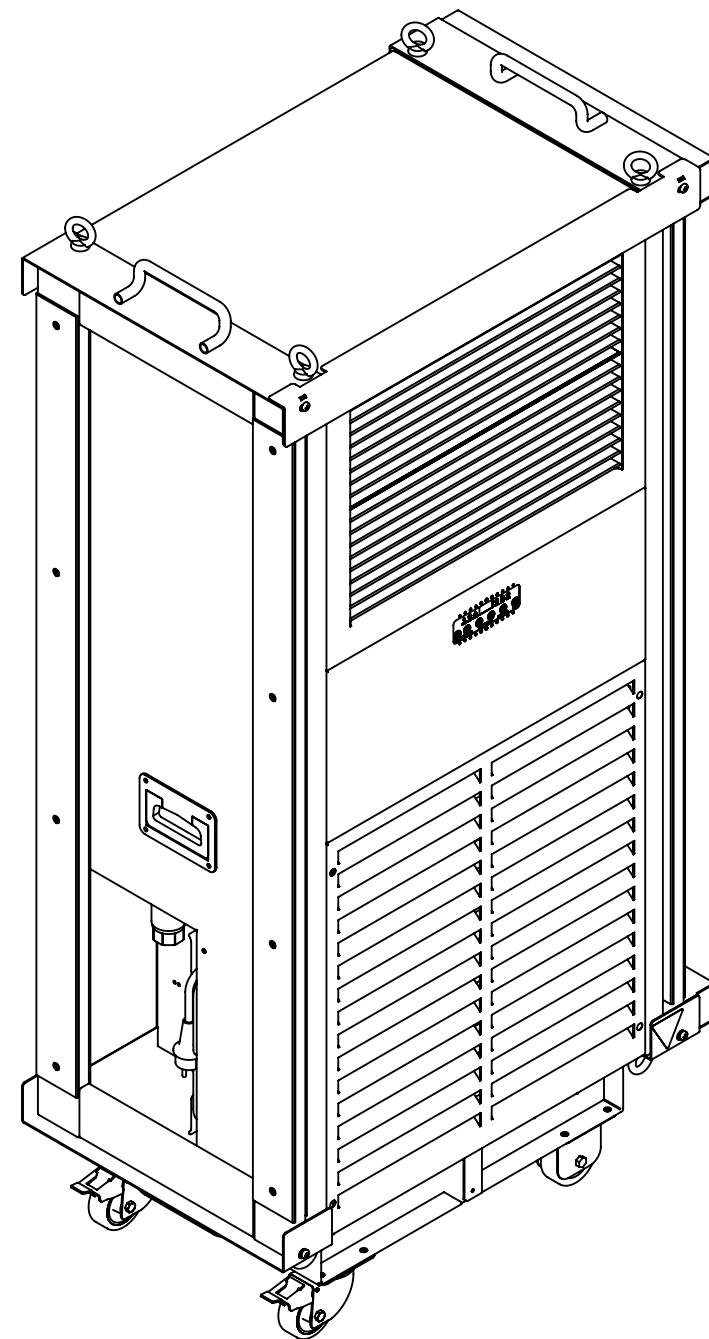
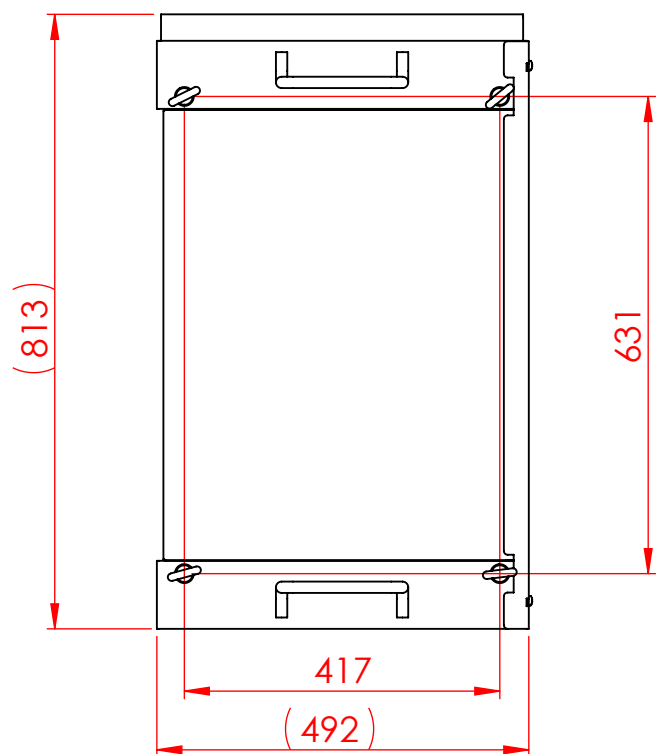
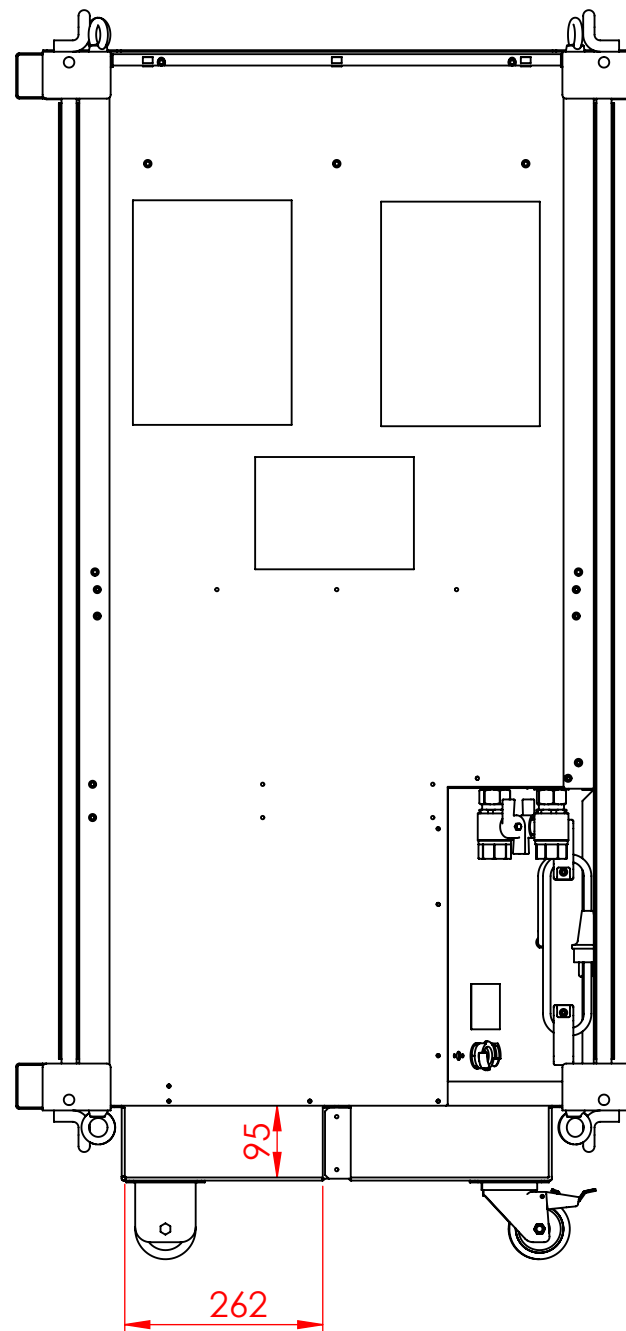
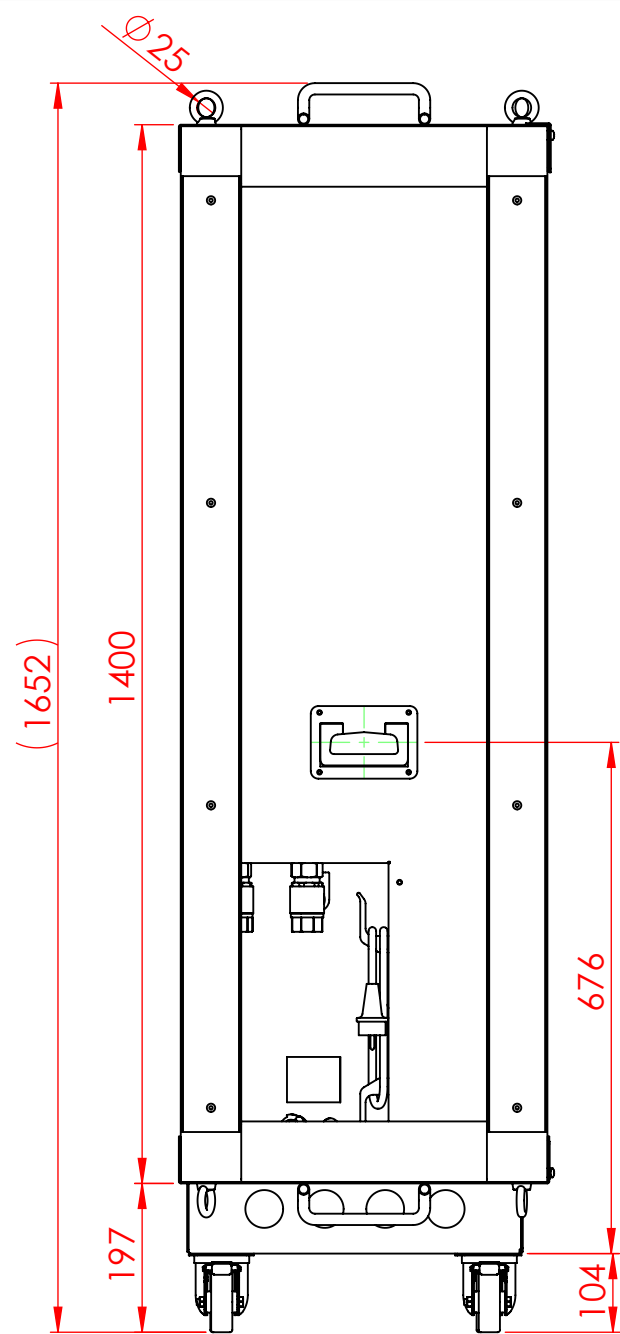
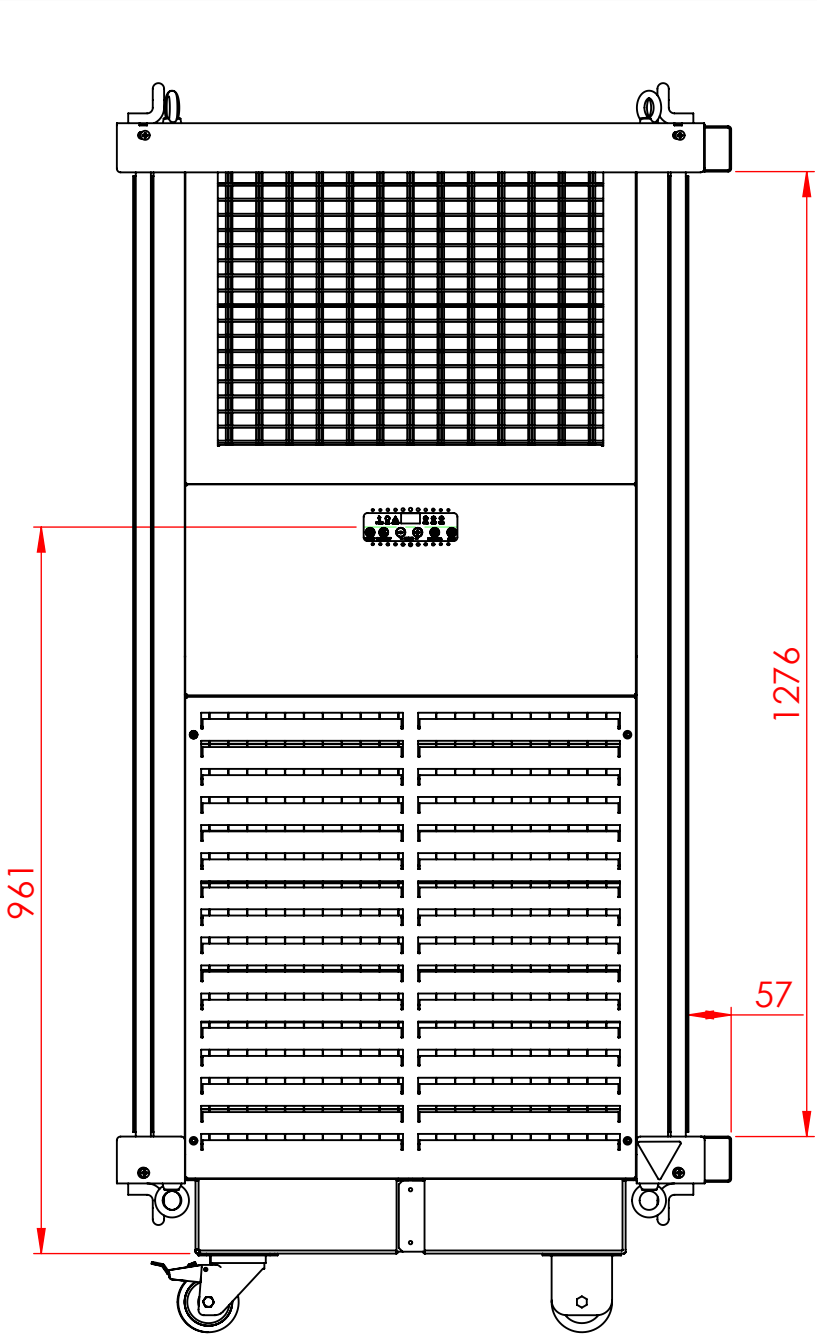


TURNING THE COVER THE
AIR DELIVERY DIRECTION
CAN BE CHANGED

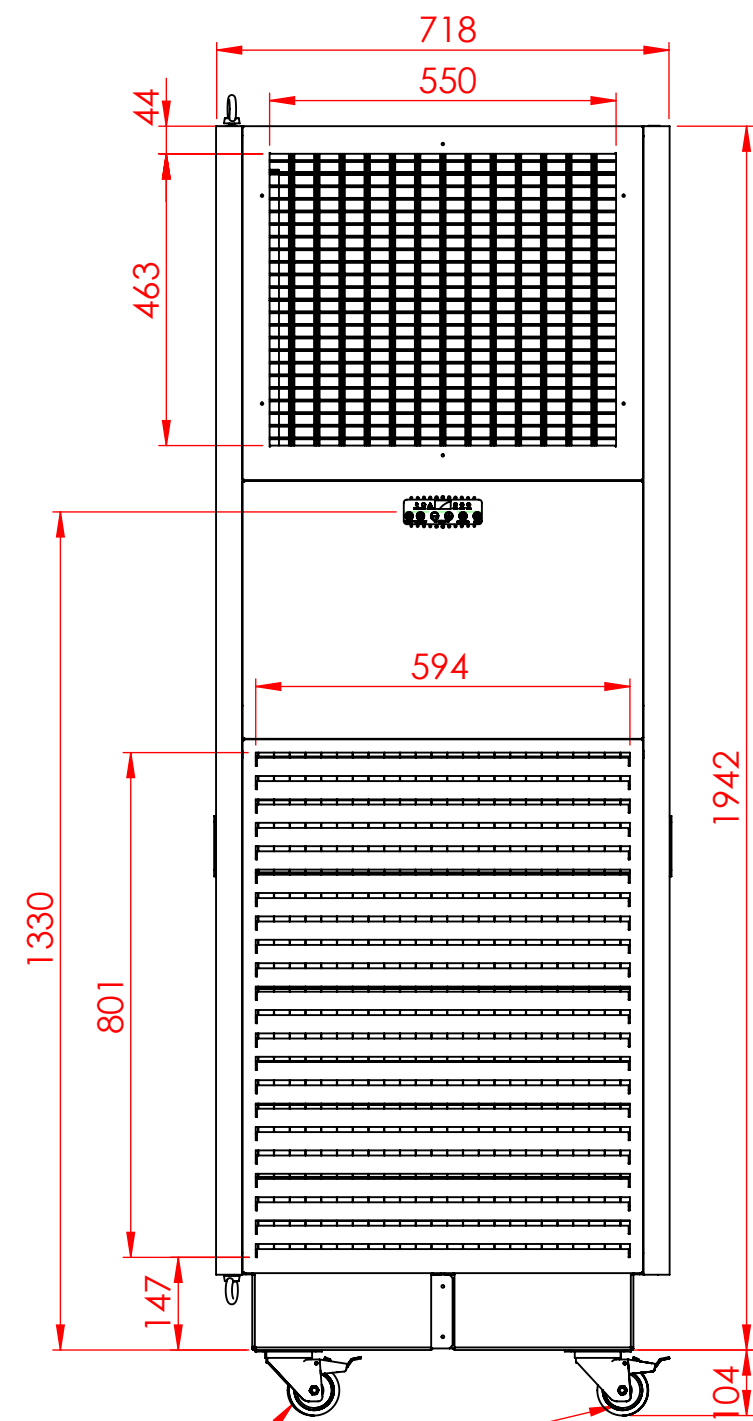


OPTIONAL TUBE
CONNECTIONS:
-QUICK (GEKA)
-CAM-LOCK

OPRAL FRAL S.r.l. via dell'Industria e dell'artigianato 22/c 35010 Carmignano di Brenta (PD)IT	DATA CREAZIONE/CREATION DATE	REV.	DATA REVISIONE/REVISION DATE	
	15/02/2020	01	07/04/2020	
	DESCRIZIONE/DESCRIPTION			
	Dimensional V20			
	MATERIALE/MATERIAL			
--				CODICE/CODE
NOTE			FFCV21	
/			SBAVARE ACCURATAMENTE I PEZZI REMOVE SHARP WITH ACCURACY TOLLERANZE QUOTE ±0.5mm DIMENSION TOLLERANCE ±0.5mm	

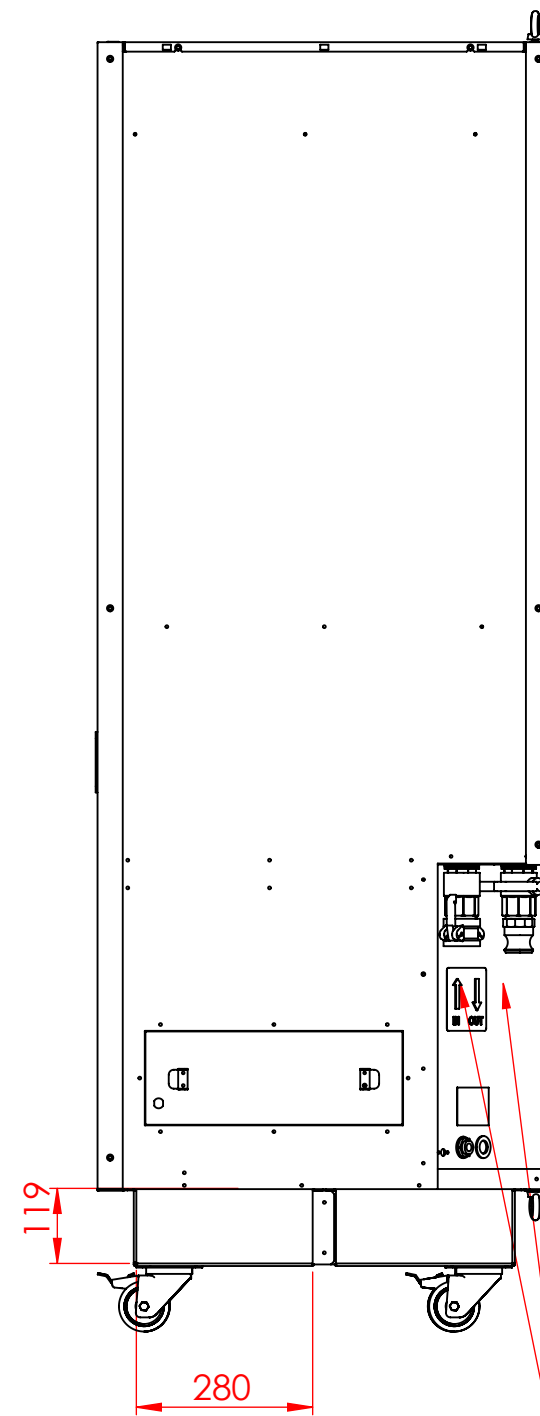
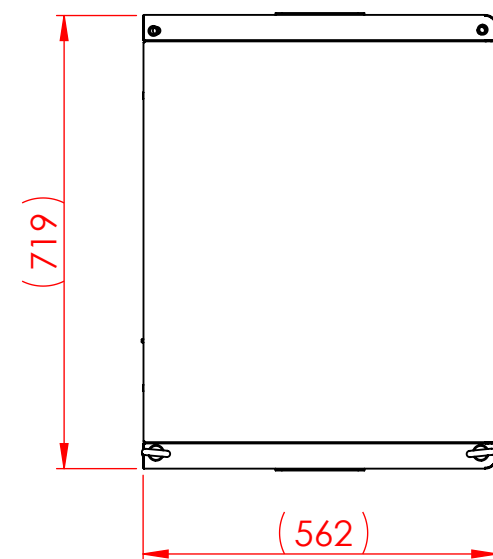
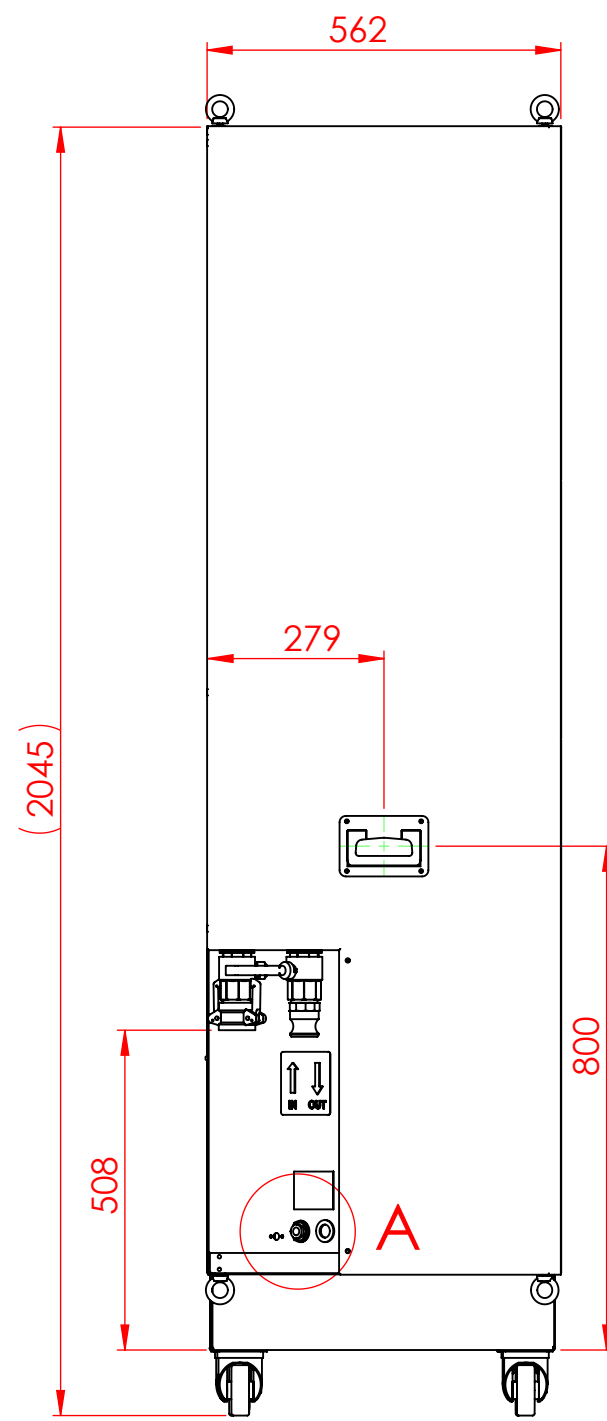
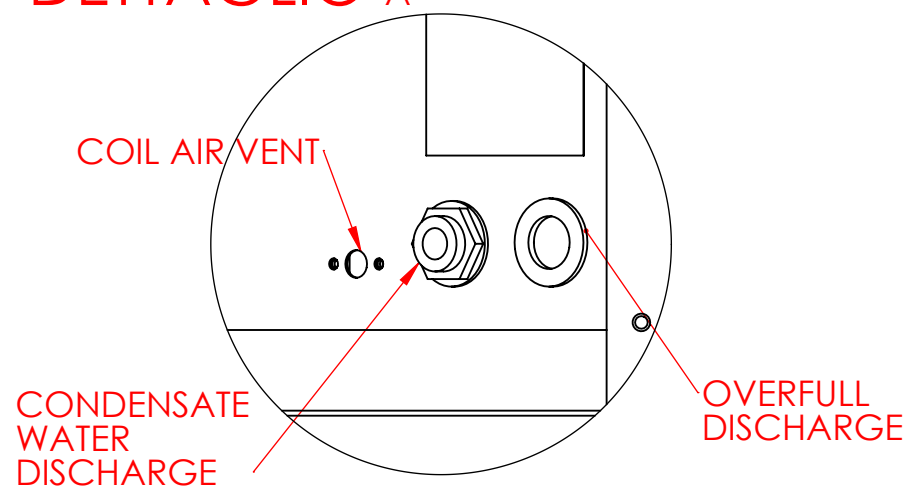


 IPRAL S.r.l. via dell'Industria, 22/c 35010 Carmignano di Brenta (PD) IT	DATA CREAZIONE/CREATION DATE	REV.	DATA REVISIONE/REVISION DATE	
	07/04/2020	00	/	
	DESCRIZIONE/DESCRIPTION			
	Dimensional with frame V20			
	MATERIALE/MATERIAL			
--				CODICE/CODE FFCV21
NOTE /				
SBAVARE ACCURATAMENTE I PEZZI REMOVE SHARP WITH ACCURACY TOLLERANZE QUOTE $\pm 0.5\text{mm}$ DIMENSION TOLLERANCE $\pm 0.5\text{mm}$				



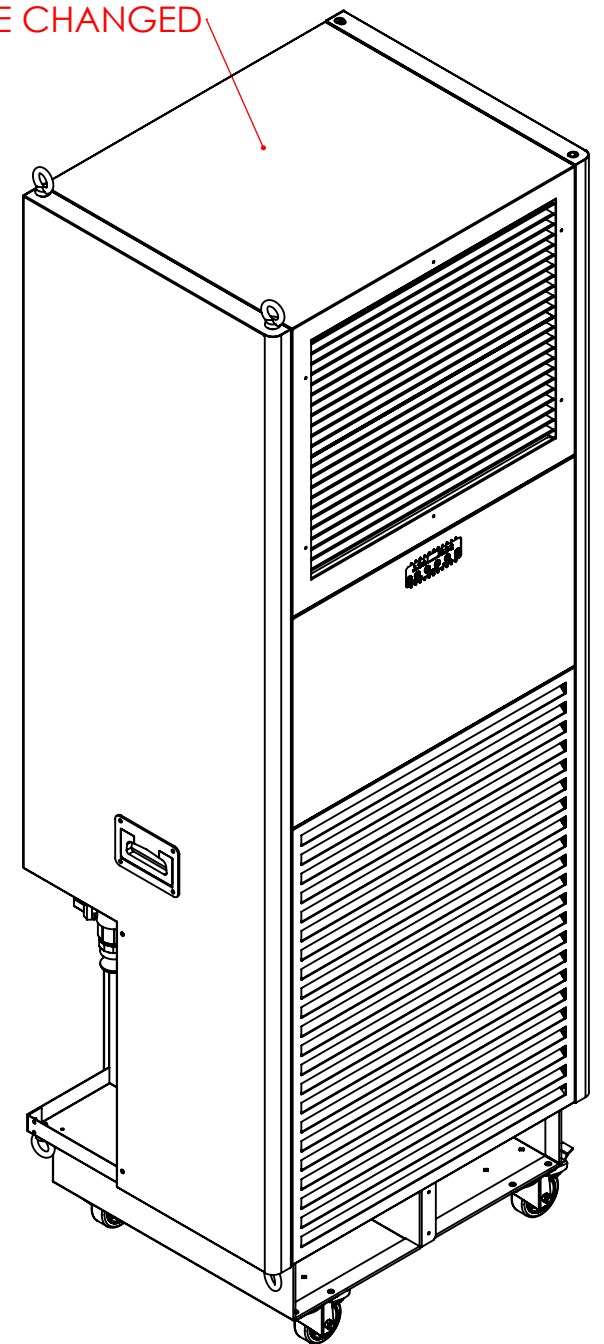
WHEELS
OPTIONAL

DETTAGLIO A

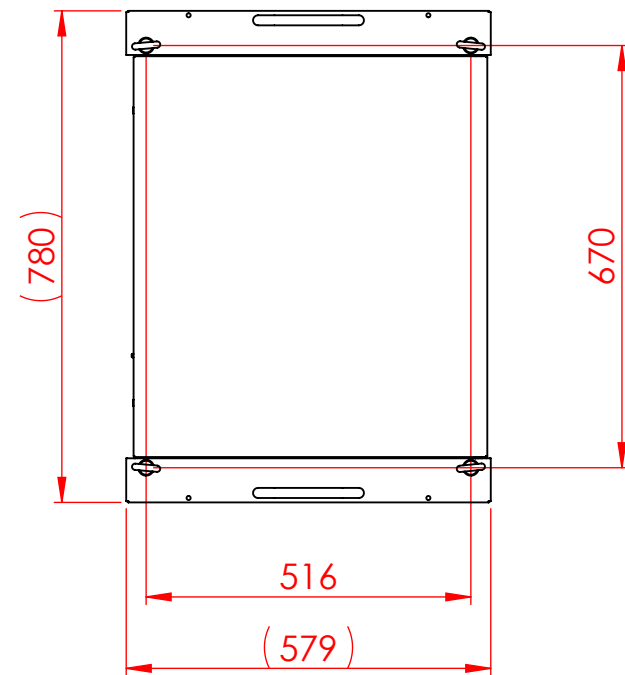
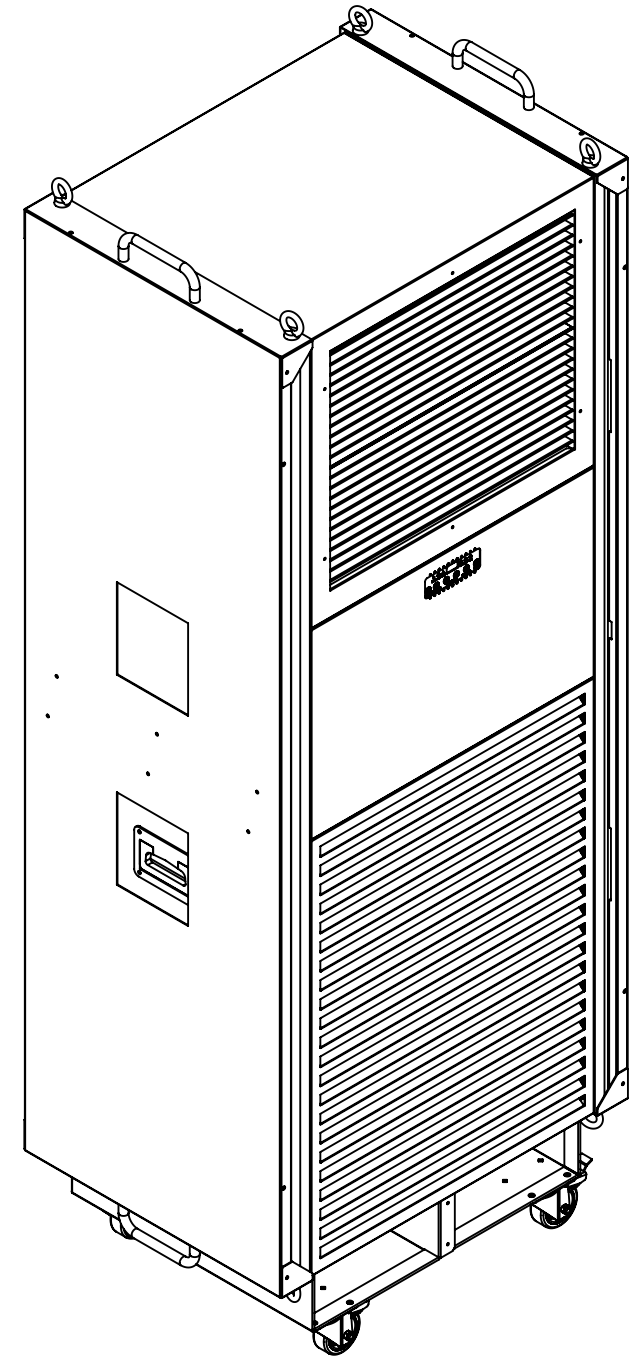


OPTIONAL TUBE
CONNECTIONS:
-QUICK (GEKA)
-CAM-LOCK

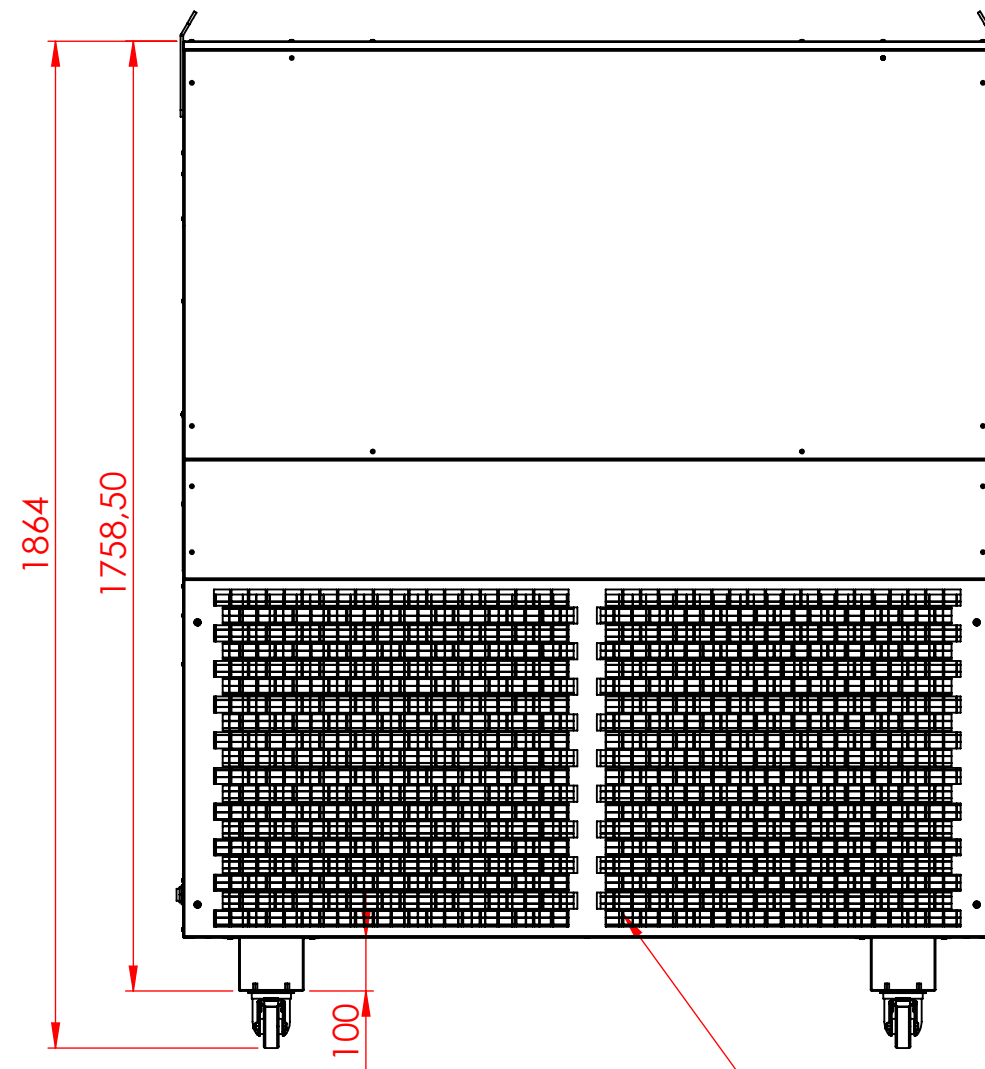
TURNING THE COVER THE
AIR DELIVERY DIRECTION
CAN BE CHANGED



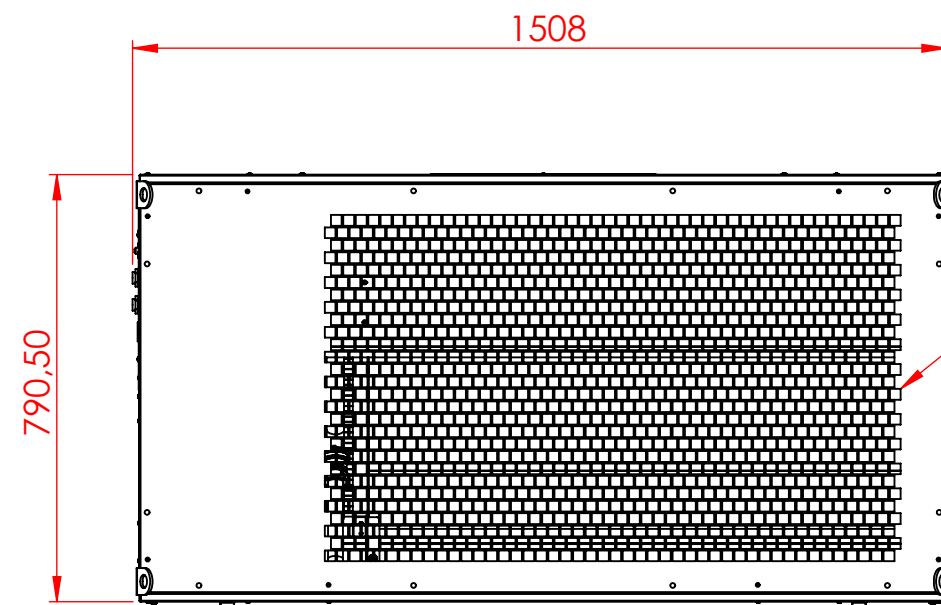
 OPRAL S.r.l. via dell'Industria e dell'artigianato 22/c 35010 Camignano di Brenta (PD)IT	DATA CREAZIONE/CREATION DATE	REV.	DATA REVISIONE/REVISION DATE	
	07/04/2020	00	/	
	DESCRIZIONE/DESCRIPTION			
	Dimensional V20			
	MATERIALE/MATERIAL			CODICE/CODE
--			FFCV32	
NOTE	/		SBAVARE ACCURATAMENTE I PEZZI REMOVE SHARP WITH ACCURACY TOLLERANZE QUOTE ±0.5mm DIMENSION TOLLERANCE ±0.5mm	



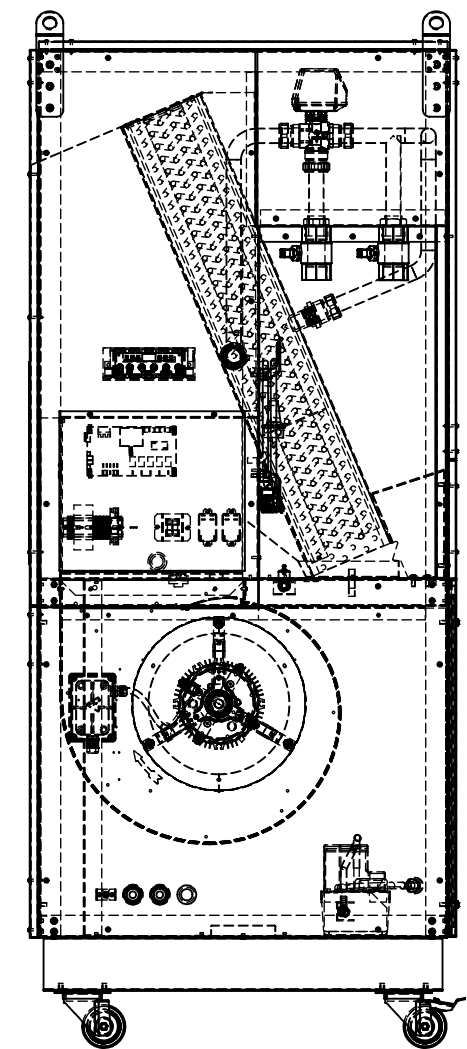
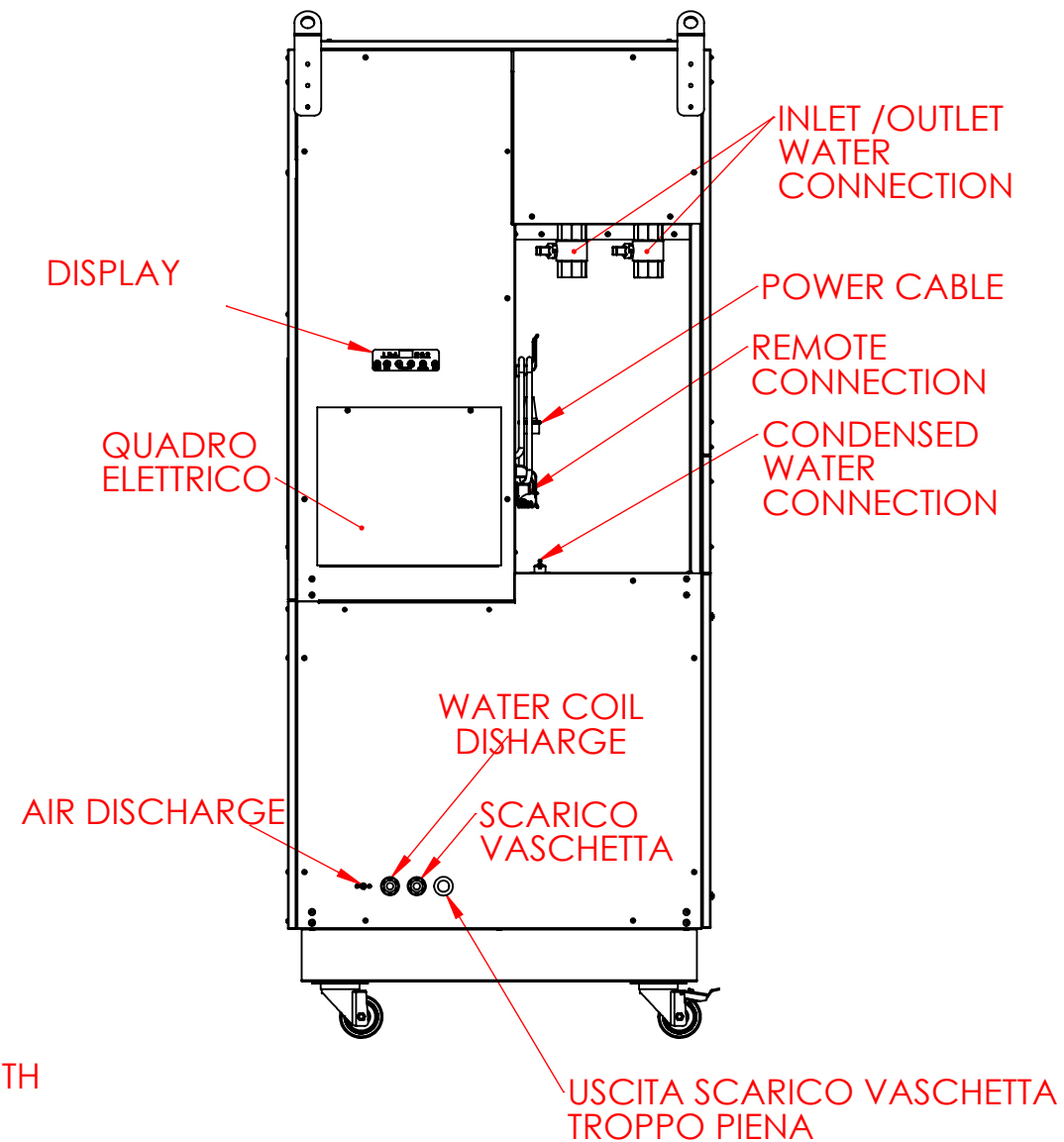
	OFRAL S.r.l. via dell'Industria 4 e dell'originato 22/c 35010 Carmignano di Brenta (PD)IT	DATA CREAZIONE/CREATION DATE	REV.	DATA REVISIONE/REVISION DATE	
		07/04/2020	00	/	
DESCRIZIONE/DESCRIPTION					
Dimensional with frame					
MATERIALE/MATERIAL				CODICE/CODE	
--				FFCV32	
NOTE				SBAVARE ACCURATAMENTE I PEZZI REMOVE SHARP WITH ACCURACY TOLLERANZE QUOTE $\pm 0.5\text{mm}$ DIMENSION TOLLERANCE $\pm 0.5\text{mm}$	
/					



INLET AIR GRILL WITH
FILTER



SUPPLY AIR GRILL



00	10/02/2023	PRIMA EMISSIONE	COSTA E.	BAGGIO M.
REV.	DATA/DATE	DESCRIZIONE MODIFICA/MODIFICATION DESCRIPTION	ESEGUITO DA	VERIFICATO DA
DESCRIZIONE / DESCRIPTION				
Assieme FFCV50				
COD.- REV				
FFCV50-00				
SCALA / SCALE		DOVE NON SPECIFICATO TOLLERANZE SECONDO UNI 2768 CON CLASSE DI TOLLERANZA ISO 2768-MH WHERE NOT SPECIFIED TOLERANCE UNI 2768 WITH TOLERANCE CLASS ISO 2768-MH		
1:14		SBAVARE ACCURATAMENTE I PEZZI REMOVE SHARP WITH ACCURACY		
IL PRESENTE DISEGNO É DI PROPRIETÀ DELLA FRAL s.r.l. NON PUÒ ESSERE RIPRODOTTO NÉ TRASMESSO A TERZI SENZA APPROVAZIONE SCRITTA. THIS DRAWING IS PROPERTY OF FRAL s.r.l. IT CANNOT BE REPRODUCED OR TRANSMITTED TO A THIRD PARTY WITHOUT WRITTEN APPROVAL.		FRAL FRAL s.r.l. Viale dell'industria e dell'artigianato 23, 35010 Carmignano di Brenta (PD) IT		

FFCV50 WITH 360° AIR SUPPLY PLENUM



SPECIAL FRAME KIT FOR STORING THE UNITS FFCV21-FFCV32



COOLING AND HEATING CAPACITY 32 kW

COOLING CAPACITY				HEATING CAPACITY			
AIR FLOW		3600 (m³/h) (max fan speed)	2600 (m³/h) (Low fan speed)	AIR FLOW		3600 (m³/h) (max fan speed)	2600 (m³/h) (Low fan speed)
WATER : Inlet Temp 6°C Outlet Temp 11°C	Ambient temperature 27°C / 60%	34 kW	26,5 kW	WATER : Inlet Temp 80°C Outlet Temp 70°C	Ambient temperature 20°C / 55%	63 kW	47,5 kW
WATER : Inlet Temp 7°C Outlet Temp 12°C	Ambient temperature 27°C / 60%	31,5 kW	24,5 kW	WATER : Inlet Temp 80°C Outlet Temp 70°C	Ambient temperature 18°C / 55%	65 kW	40,5 kW
WATER : Inlet Temp 7°C Outlet Temp 12°C	Ambient temperature 28°C / 60%	34,5 kW	27 kW	WATER : Inlet Temp 70°C Outlet Temp 60°C	Ambient temperature 20°C / 55%	51 kW	39 kW
WATER : Inlet Temp 7°C Outlet Temp 12°C	Ambient temperature 26°C / 60%	28,5 kW	22,5 kW	WATER : Inlet Temp 70°C Outlet Temp 60°C	Ambient temperature 18°C / 55%	54 kW	40,5 kW
WATER : Inlet Temp 7°C Outlet Temp 12°C	Ambient temperature 25°C / 60%	26 kW	20,5 kW				

COOLING AND HEATING CAPACITY 21 kW

COOLING CAPACITY				HEATING CAPACITY			
AIR FLOW		2400 (m³/h) (max fan speed)	1800 (m³/h) (Low fan speed)	AIR FLOW		2400 (m³/h) (max fan speed)	1800 (m³/h) (Low fan speed)
WATER : Inlet Temp 6°C Outlet Temp 11°C	Ambient temperature 27°C / 60%	22,5 kW	17,5 kW	WATER : Inlet Temp 80°C Outlet Temp 70°C	Ambient temperature 20°C / 55%	41 kW	31 kW
WATER : Inlet Temp 7°C Outlet Temp 12°C	Ambient temperature 27°C / 60%	21 kW	16 kW	WATER : Inlet Temp 80°C Outlet Temp 70°C	Ambient temperature 18°C / 55%	43 kW	26,5 kW
WATER : Inlet Temp 7°C Outlet Temp 12°C	Ambient temperature 28°C / 60%	23 kW	18 kW	WATER : Inlet Temp 70°C Outlet Temp 60°C	Ambient temperature 20°C / 55%	33 kW	26 kW
WATER : Inlet Temp 7°C Outlet Temp 12°C	Ambient temperature 26°C / 60%	19 kW	15 kW	WATER : Inlet Temp 70°C Outlet Temp 60°C	Ambient temperature 18°C /55%	35,5 kW	27 kW
WATER : Inlet Temp 7°C Outlet Temp 12°C	Ambient temperature 25°C / 60%	17 kW	13,5 kW				

FAN MOTOR PERFORMANCE 32 kW

FAN MOTOR PERFORMANCE					
AIR FLOW (m³/h)		3600	3000	2600	2000
Pa	Available static pressure MAX fan speed (Pa)	140	200	240	260
	Available static pressure MED fan speed (Pa)	-	160	210	220
	Available static pressure MIN fan speed (Pa)	-	-	50	180
		Noise dB(A) at 3 m free field			
		57			
		55			
		53			