Tetris 2A – Tetris 2 SLN
air/water chillers and heat pumps

Technical information manual

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General description

TETRIS 2A is a complete range of high energy efficiency air-water heat pumps and chillers.

Available with the “Night shift system” accessory that activates the unit in high efficiency or silent mode, as required, by setting daily time bands.

It is also equipped with microchannel coils, which allow the load refrigerant gas to be reduced by up to 30% compared to standard copper-aluminium condensate coils.

Strong points

- Class A unit.
- SLN unit with Night Shift function.
- Integrated hydraulic modules also with an inertial tank.
- Three types of pumps: standard, oversize and for high percentages of glycol (e.g. up to 50%).
- Availability of pumps with inverter on utility side.
- Integrated SmartLink technology.

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WESTERN™ AIRCONDITIONING

TECHNICAL SPECIFICATIONS

TETRIS 2A

High energy efficiency compact air-cooled water chiller with hermetic scroll compressors, axial fans and plate evaporators. R410A refrigerant fluid.

STRUCTURE

Holding frame module made of galvanised sheet metal and painted with polyester powders RAL 7035 and RAL 5017 at 180°C, which guarantee very high resistance to atmospheric agents. Stainless steel bolts and screws.

COMPRESSORS

Hermetic orbiting scroll compressors, connected in parallel, equipped with oil sight glass, internal Klixon thermal circuit-breaker, contactors and oil-equalizing line.

CONDENSERS

Consisting of aluminum microchannel coils in cooling only units and finned core coil with copper pipes and aluminum fins in the heat pump units.

Using microchannel coils instead of those in copper/aluminum reduce the overall weight of the unit by approx. 10% and that of the refrigerant charge by a least 30%.

The microchannel condensers consist entirely of aluminum alloys whereas traditional condensers are made from copper tubes and aluminum alloy fins. Research applied to aluminum alloys and production techniques of capacitors allows us to manufacture microchannel coils in which the fin and the tube are made of different aluminum alloys with different electrochemical potentials. In this way, the fin acts as an anode with respect to the tube, but the potential difference is in absolute value content and the two parts of the coil do not form a galvanic couple prone to corrosion of the anode material, marked so for Cu/Al coils.

Furthermore, the layout of the "V" coils makes the unit very compact and simultaneously guarantee an increase in the air intake area leaving ample space for the cooling and hydraulic (if present) circuit components to be set. The condensing sections of the cooling circuits always work separately.

ELECTRIC FANS

Axial fans with sickle-shaped blades and conveyor, designed to optimise efficiency and reduce noise emission, directly coupled to the 6-pole 3-phase electric motor, with an internal Klixon thermal circuit-breaker. The protection degree of the motor is IP 54. The fan includes the accident-prevention protection grid.

EVAPORATOR

AISI 316 stainless steel braze-welded plate evaporator, insulated with a closed cell insulating casing.

The models with 2 cooling circuits have a dual circuit exchanger with a single hydraulic connection.

Using dual circuit plate heat exchangers allows the following:

- Higher COP/EER values;
- Less refrigerant in the circuit;
- Smaller unit size and lighter weight;
- Easier maintenance.

The evaporator is equipped with a temperature probe for anti-freeze protection, with the flow switch and probe for the temperature control of the water returning from the system.

COOLING CIRCUIT

This includes: shut-off cock in the liquid line, 5/16" load inlets, liquid indicator, dehydrator filter with solid replaceable cartridge and an electronic expansion valve. Pressure transducers to read the high and low pressure values and the relative evaporation and condensation temperatures, high pressure switch and safety valve values. The solenoid valve function on the liquid line is implemented by the electronic expansion valve, which shuts off the liquid when it closes when the circuit stops. On request, the electronic valve can be equipped with a buffer coil that guarantees closure even in the case of a power cut.

ELECTRIC CONTROL BOARD

The board includes:

- main isolating switch
- automatic compressor circuit breakers with fixed calibration
- protection fuses of the fans and auxiliary circuits
- remote fan switches
- pump circuit breakers (if present)
- single potential free contacts for compressors, fans and pumps (if present)
- double set-point to be requested when placing the order, specifying whether the change in set is controlled via the keyboard or a digital input
- RS485 serial port with Modbus protocol only
- summer/winter selection from digital input (only for /HP units)
- microprocessor to control the following functions:
  - water temperature adjustment with inlet control
  - anti-freeze protection
  - compressor timing
  - automatic rotation of compressor start-up sequence
  - alarm signals
  - alarms reset
  - capacity control of the power dispensed by the unit

- cumulative alarm contact for remote signalling
- forced capacity control by pressure limit
- recording of the alarm log with "black box" function.

The display is used to display the following information:

- inlet water temperature
- set temperature and differentials
- description of the alarms
- compressor operating hours counter
- counter of the number of start-ups of the unit and pumps (if present)
- high and low pressure and relative condensation and evaporation temperatures.

Standard electric power supply [V/f/Hz]: 400/3~/50 ±5%.

CHECKS AND SAFETY DEVICES

- high pressure switch with manual reset
- high pressure safety device with automatic reset at control-operated limited intervals
- low pressure safety device with automatic reset at control-operated limited intervals
- high pressure safety valve
- anti-freeze probe on each evaporator outlet
- pre-installed mechanical blade flow switch
- compressor and fan overtemperature protection

INSPECTION

The units are inspected in the factory and supplied complete with oil and refrigerant fluid.

VERSIONS

TETRIS 2SLN

Super-silent unit

In addition to that provided for the TETRIS 2A, the unit also includes the compartment for soundproof compressors of the /LN option, the automatic speed regulator of the fans and the fan speed reduction so that at nominal operating conditions the air flow and therefore the noise is less than that in the basic version. However, the speed regulator allows rotation of the fans at maximum speed if the conditions of the outdoor air temperature are particularly harsh. This allows the unit to have the same operating limits of TETRIS 2A.

TETRIS 2SLN can also be equipped with the Night Shift System, which allows sound levels of the super silent version to be reached during the night, when the noise level is a critical factor, and the levels of efficiency of TETRIS 2A during the day, when the electricity rates are higher.

OPTIONS

Refer to the table of "possible configurations" for compatibility and availability of the various options.

/HP: reversible heat pump

In addition to the components featured in the cold only version, the unit includes:

- 4-way reversing valve
- liquid accumulator
- enabling the microprocessor for summer/winter switchover and automatic defrosting, managed separately for each circuit. The defrosting system uses patented logic, which, in addition to adjusting the correct intervention and the minimum duration, guarantees the coil to be cleaned up to defrost point, by means of the reverse rotation of the fans.

/DS: unit with desuperheaters

In addition to the components of TETRIS 2A, the unit includes a plate heat exchanger on each cooling circuit placed in series to the condenser coil, for 20% recovery of condensation heat for the production of hot water.

Unless it is provided in the relative version, this accessory is used as much as possible by matching the "Condensation control with fan speed regulator" accessory.

This option is also available in the /HP set up, in which case the installation must include the interception of the water recovery circuit while the HP is running, as indicated in the manual.

/LN: silenced unit

The unit consists of the addition of the fully soundproof compressor compartment with sound-absorbing material and interposed soundproofing material.

/ST: hydraulic module unit

The unit can be supplied with an insulated inertial storage tank and circulation pumps. The following configurations are possible:

- /ST 1P: with 1 pump
- /ST 1PS: with 1 pump and tank
- /ST 2P: with 2 pumps
- /ST 2PS: with 2 pumps and tank
- /ST 3P: with 3 pumps
- /ST 3PS: with 3 pumps and tank.

All hydronic models are also available in the following versions:

- For PM and PMS: with increased working head pumps, with and without an inertial tank.
- For PG and PGS: with pumps suitable to work with fluids with glycol up to 50%, with and without a tank.

The version with 2 circulation pumps (one on stand-by for the other, both sized for 100% capacity) switches automatically in case of a fault or if timed. The version with 3 pumps (each sized for 33% capacity of total flow) all 3 pumps work at the same time; if one pump breaks down, up to 78% of the cooling capacity can still be provided.

The following accessories will also be included: expansion tank, check valves (with the exception of the 1P and 1PS version) and

an intake gate valve (only in the versions with a tank).

NORMAL OPERATING CONDITIONS OF THE SYSTEM IN COOLING MODE

Unit with ST 3P – 3PS

During the summer start-up phase of units equipped with three pumps, the unit with two pumps is automatically activated by the control when the water temperature is higher than the maximum limit.

This way, by reducing the water flow rate, the evaporation pressure is also reduced and consequently that of the flow rate, preventing the unit from blocking.

The third pump automatically starts when the reference water temperature is within the set limits.

ACCESSORIES

COOLING CIRCUIT ACCESSORIES

- Condensation pressure controlled by the speed regulator for operation in low outdoor temperatures (standard on the /SLN version);
- High and low pressure gauges;
- Liquid receiver (standard on HP versions);
- Intake and supply compressor valves;
- Buffer coil for the electronic thermostatic valve;
- Brine kit.

HYDRAULIC CIRCUIT ACCESSORIES

- Utility pump inverter;
- Water collectors for /DS versions (installed by the customer);
- Anti-freeze heaters. Depending on the unit set up, heaters or heating cables are installed on recovery exchangers, volutes of the pumps, piping and tanks, in addition to the evaporator;
- Safety valve on the water side (only for units equipped with a hydronic module).

ELECTRICAL ACCESSORIES

- RS485 serial interface (in addition to the standard one);
- Possibility of Carel, Modbus-Jbus communication protocols;
- Possibility of Echelon and Bacnet communication protocols, which can be integrated with Johnson and Trend supervision;
- Power factor correction $\cos\varphi \geq 0.9$ at nominal operating conditions; on the supplied IP 55 external board unit (power supply to be provided by the installer directly from the main power line);
- Remote user terminal (in addition to the standard one);
- Variable set-point with remote signal (0-1V, 0-10V, 0-4mA, 0-20mA);
- Outlet water temperature control;
- Electronic soft-starter;
- Automatic circuit breakers instead of fuses;
- Maximum and minimum voltage relays;
- SLAT: Set Low Air Temperature;
- SMARTLINK;
- Compensation of the set-point according to the external air;
- Power supply 415V/3~/50 Hz ± 5%;
- Unit shutdown due to temperatures lower than operating limits.

VARIOUS ACCESSORIES

- EC fans;
- Spring or rubber anti-vibration mounts;
- Condensing coil made of pre-painted copper/aluminum (only for the /HP version);
- Microchannel or copper/aluminum condensing coil with anti-corrosion treatment;
- Naked version;
- Water filter;
- Special pallet/slide for container shipment;
- Delivered preassembled. The unit is delivered without refrigerant and untested;
- "RAL" series painting different to standard.

DESCRIPTION OF ACCESSORIES AND MAIN FUNCTIONS

DOUBLE SET-POINT

The microprocessor enables you to set two set temperatures for the production of cold and hot water. Unless specified otherwise when placing the order, the default values are 12/7°C and 15/10°C for chiller mode and 40/45°C and 35/40°C for heat pump mode. The set temperatures must in any case, remain within the operating limits of the unit.

Use either the keypad or the digital input to switch between the first and second set.

EC Fans

Units can be coupled to the innovative direct current EC axial fans with electronically commutated brushless motor.

These motors with permanent magnets rotor guarantee very high levels of efficiency for every work condition and allow for a 15% saving per fan.

Moreover, through a 0-10V analogue signal sent to every fan, the microprocessor allows the condensation to be controlled by means of continuous air flow regulations as the outdoor air temperature varies and a consequent reduction in noise emission.

ANTI-CORROSION TREATMENT ON A CONDENSING COIL

This accessory is available for both microchannel coils as well as traditional copper-aluminum coils.

The proposed protective treatment consists of aluminum passivation and coverage with a polyurethane base, a double layer in which the first is aluminum passivation with primer and the second layer is polyurethane based coverage. The product is highly resistant to corrosion and to all environmental conditions.

The choice whether to treat the capacitor or not must be made in relation to the environment in which the unit must be installed and by observing the other structures and machinery with exposed metal surfaces in the destination environment. The cross-observation criteria is the most effective selection system available today without having to perform preliminary tests or taking instrumental measurements.

The identified reference environments are:

- coastal marine
- industrial
- high density urban area
- rural

In cases where there may be different conditions, even if for short periods, the choice must preserve the capacitor in the worst environmental conditions and not mediate between the worst and the most favorable. Particular attention must be paid to those cases where a not particularly aggressive environment is transformed into a harsh environment due to a localised or temporal effect. For example an installation in an urban environment, which is apparently not very aggressive, may be at high risk due to the presence of an exhaust of heating fumes or an industrial kitchen or a solvent evacuation fan from a small handicraft business.

The protective treatment of the capacitor is strongly recommended if at least one of the steps below occurs:

- the presence of corrosion is evident on the exposed metal surfaces in the area of installation;
- the distance from the coast is less than 20 km;
- the prevailing winds are from the sea and headed toward the unit;
- the environment is industrial with a significant concentration of pollutants;
- the environment is urban with high population density;
- the environment is rural with organic discharges and effluents.

"Brine Kit" accessory

It is applied if the evaporator output temperature falls within +3°C and -8°C. It consists of higher thermal insulation of the exchanger and piping, a specific calibration of the low pressure switches and the anti-freeze alarm, and verification of the sizing of the thermostatic valve.

If it is not included in the set up, the "Condensation check" accessory must be added.

ELECTRONIC THERMOSTATIC VALVE (standard)

This component is used for units that run in highly variable thermal load or operating conditions, for example when managing both air conditioning and production of hot water. Using the electronic thermostatic valve allows the following:

- to maximise the heat exchange to the evaporator
- to minimise the response time to variations in load and operating conditions
- to optimise the superheating regulation
- to guarantee maximum energy efficiency.

"NIGHT SHIFT SYSTEM" ACCESSORY

This accessory is available for Tetris 2 SLN and allows the unit to be run in high efficiency or low noise mode, as required, by setting daily time bands.

For example, during daytime in summer you may want to run the machine at maximum energy efficiency, whereas at night the machine will run in Super silence mode with greater sensitivity to the perception of noise.

By default, the following time bands are set, however, the user can reset new ones directly from the keyboard of the microprocessor.

Default time bands

From 8:00 to 20:00 - High Efficiency Mode.

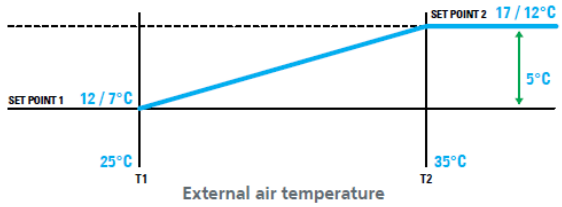
From 20:00 to 8:00 - Super-silence Mode.

COMPENSATION OF THE SET-POINT according to the external air temperature

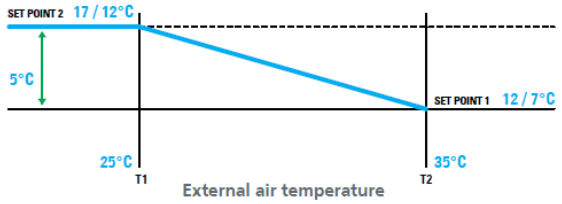
The unit microprocessor control can compensate the set-point in a dynamic way, on variation of the external air temperature. Compensation can be positive or positive: positive compensation occurs when there is an increase in the outdoor air temperature and the operating set also increases; whereas, negative compensation occurs when there is an increase in the air temperature and the set decreases. Compensation can be made either on the summer set-point or on the winter set-point (heat pumps).

By default, both summer and winter negative compensation is set; however, this configuration can be modified from the microprocessor keyboard. Unless specified otherwise, default values are indicated in the graphs below.

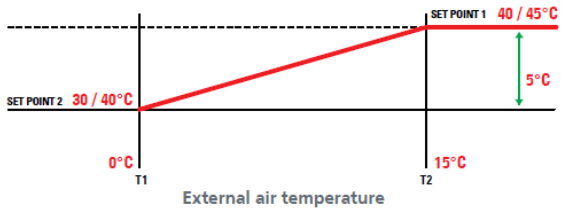
SUMMER COMPENSATION - POSITIVE



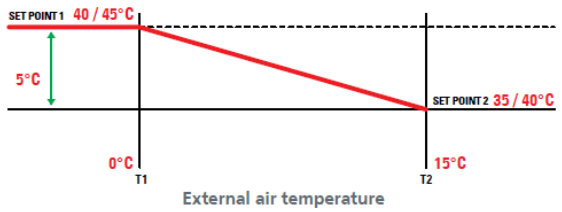
SUMMER COMPENSATION - NEGATIVE



WINTER COMPENSATION - POSITIVE



WINTER COMPENSATION - NEGATIVE



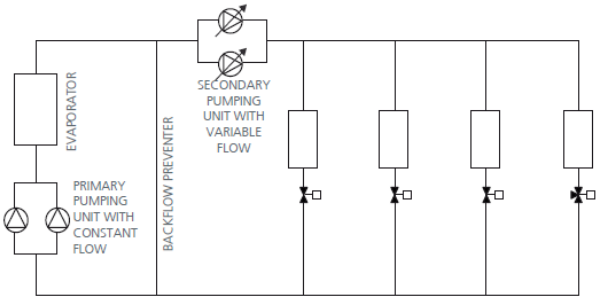
Inverter for utility pump (for the unit with the ST hydraulic module)

Energy savings:

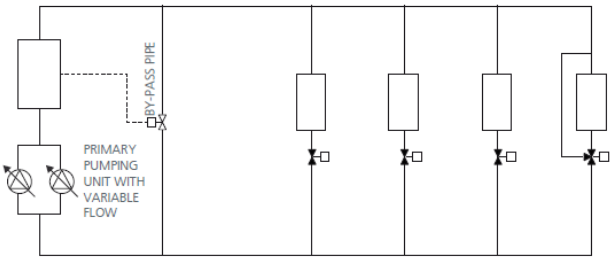
Variable flow pumps have become more widespread over the years to optimise air conditioning and cooling systems. Thanks to the Inverter utility pump, Blue Box offers an alternative method that differs from conventional layouts: a constant flow primary pump and a variable flow secondary pump

Comparing the two solutions:

1) The figure below shows the layout of a constant flow primary pump and a variable flow secondary pump. Please not the use of the decoupling pipe between the primary and secondary system (designed to cover the entire flow rate): if the utilities only require a percentage of the nominal power, the decoupling pipe recirculates the excess flow, which means wasting pumping energy.



The figure below shows a system with only variable flow primary pumps, which also serve the secondary system. The by-pass pipe and the two-way control valve ensure minimum water flow through the evaporator when the request is below the admitted minimum water flow limit to guarantee appropriate heat exchange. The pipe and the two-way control valve are sized for a much lower water flow rate than the nominal one. This allows to considerably reduce energy losses related to the mixing process, which in traditional systems are caused by the hydraulic circuit breaker.

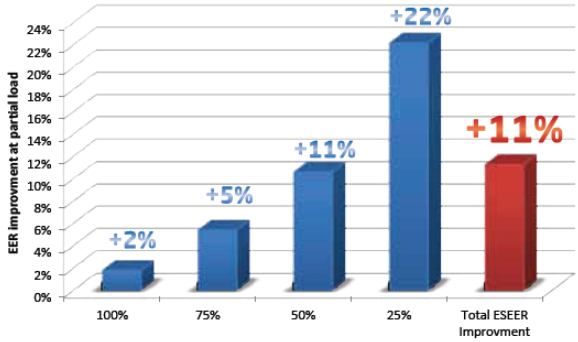


Benefits of the solution with the Inverter for utility pump:

- Saving a set of pumps
- Reduced overall dimensions of the machines' housings
- Lower piping costs
- Reduced pressure drops
- Greater energy efficiency on the pump side

As we can see from the graph under EUROVENT conditions, the systems in the diagrams have higher efficiency under

part-load conditions, considering the energy consumed by the pumps as well as by the chiller (compressors plus fans).

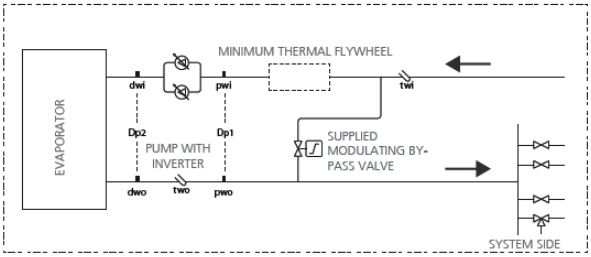


Energy savings in these conditions can be as high as 11% per year and sometimes even more!

Operating logic of the Inverter for utility pump:

Dp1: System side pressure drop

Dp2: Evaporator pressure drops



When all utilities are running, the unit pump works with a nominal flow rate and system side working head equal to DP1 and evaporator pressure drop equal to Dp2.

The decrease in the system thermal load involves closing the shut-off valves of the utilities with a consequent increase in pressure drops that the pump must overcome; simultaneously, the inverter control logic will decrease the flow rate with a consequent decrease in the evaporator pressure drop, thereby restoring the pressure head to the nominal DP1.

Key points for a variable flow primary system:
In order for the components of the system to operate optimally, it is important to take some key points into account:

1) Minimum water flow and by-pass valve supplied:
The Inverter for utility pump accessory also includes the supplied 2-way by-pass valve, which is adequately sized in relation to the size of the unit.

If on the system side the heat load is very low, this means that many utilities are closed, which results in an increase in pressure drops. The inverter counters the Dp1 variation detected by the sensor by reducing the speed of the pump and the flow rate as a result. However, there is a limit lower than the flow rate value below which the heat exchange towards the evaporator is not performed properly and the temperature drop processed by the evaporator increases, which might activate the anti-freeze alarm. The two-way control valve adequately selected based on the machine model prevents this alarm from being triggered, thereby ensuring the minimum water flow rate towards the evaporator.

2) "Minimum thermal flywheel":
In the event of a heat load close to zero, with the unit in maximum power capacity control conditions, the pump set at the minimum flow rate and closed system valves, the machine might stop due to the anti-freeze alarm.

To prevent this problem, there must be a "minimum thermal flywheel" in the evaporator / by-pass valve section.

Below is the formula to determine it:

$$Vol = \frac{P_0 * k}{N} \quad [l]$$

P_0 Machine overall cooling capacity [kW]

N : Inverse of the unit's minimum capacity control

k : parameter [l/kW]

SCROLL COMPRESSORS		2	3	4	5	6	7	8	9	10	12
k	[kW]	17.4	13	13.9	17.4	16.3	15.3	14.8	14.6	13.9	13.4
N		2	3	4	5	6	7	8	9	10	12

The water content of the evaporator, of the hydraulic module's inertial tank (if there is one) and of the pipes between the by-pass and the evaporator itself may contribute to determine the "minimum thermal flywheel".

However, it is advisable to use three-way valves on a certain number of utilities on the system to ensure a minimum flow of water towards the system in any condition.

Please note: Where there is this accessory, the minimum cold water temperature at the outlet cannot drop below 7°C. Moreover, the temperature variation considered under the conditions specified in the project must be 5°C. Please contact our sales department for the minimum water temperature at the outlet (production of cold water) and for different temperature drop values.

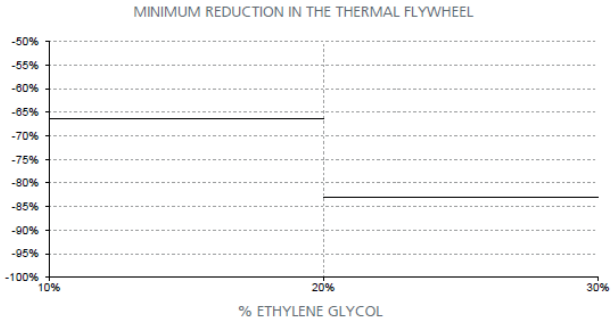
You should also contact the sales department in the event of production of hot water for water temperatures at the outlet below 40°C.

Attention: The "minimum thermal flywheel" must be between the by-pass valve and the evaporator. This is a part of the "minimum water content of the system" described in the relative chapter of the manual; the difference between the "minimum water content of the system" and the "minimum thermal flywheel" can instead be positioned in any area of the system.

The "minimum thermal flywheel" allows the unit to operate correctly also in heat pump mode.

For cooling-only machines, if using ethylene glycol mixes, it is possible to reduce the "minimum thermal flywheel" based on the curves below

For scroll compressors:



If the unit is in heat pump mode, the "minimum thermal flywheel" is not reduced, even if there is glycol.

WESTERN™ AIRCONDITIONING

TETRIS 2A TECHNICAL DATA

Unit size			11.2	17.2	23.2	28.4	34.4	38.4	43.4	47.4	50.6	57.6	64.6	70.6
TETRIS 2 A														
Cooling (Gross values)														
Nominal cooling capacity	(1)	kW	112	162	230	274	324	363	420	456	485	543	621	685
Total absorbed power in cooling mode	(1),(2)	kW	35	50	73	85	101	115	133	145	151	169	197	217
EER	(1)		3.20	3.22	3.16	3.21	3.22	3.16	3.16	3.14	3.21	3.21	3.15	3.16
ESEER			4.20	4.22	4.06	4.39	4.34	4.39	4.34	4.36	4.43	4.40	4.38	4.43
Efficiency Class			A	A	A	A	A	A	A	A	A	A	A	A
Cooling (EN14511 values)														
Nominal cooling capacity	(1),(8)	kW	112	161	229	273	322	361	418	455	484	542	619	683
EER	(1),(8)		3.13	3.16	3.12	3.17	3.17	3.12	3.12	3.11	3.19	3.17	3.12	3.12
ESEER	(8)		4.02	4.05	3.96	4.23	4.20	4.22	4.18	4.25	4.31	4.30	4.28	4.34
Efficiency Class			A	A	A	A	A	A	A	A	A	A	A	A
TETRIS 2 A /HP														
Cooling (Gross values)														
Nominal cooling capacity	(1)	kW	111	160	228	270	320	361	418	454	480	538	617	681
Total absorbed power in cooling mode	(1),(2)	kW	35	50	73	85	100	114	133	145	150	169	197	217
EER	(1)		3.18	3.20	3.14	3.17	3.19	3.15	3.15	3.13	3.19	3.18	3.14	3.14
ESEER			4.18	4.19	4.03	4.34	4.30	4.37	4.32	4.34	4.40	4.37	4.36	4.41
Efficiency Class			A	A	A	A	A	A	A	A	A	A	A	A
Cooling (EN14511 values)														
Nominal cooling capacity	(1),(8)	kW	111	159	227	269	319	359	416	453	479	537	616	679
EER	(1),(8)		3.11	3.14	3.10	3.13	3.15	3.10	3.10	3.10	3.16	3.15	3.10	3.10
ESEER	(8)		3.99	4.02	3.93	4.18	4.17	4.20	4.16	4.23	4.28	4.27	4.26	4.32
Efficiency Class			A	A	A	A	A	A	A	A	A	A	A	A
Cooling (Gross values)														
Nominal heat power	(3)	kW	134	179	247	301	355	382	456	486	536	602	685	754
Total power absorbed in heating mode	(2),(3)	kW	39	55	76	91	108	117	139	149	163	183	210	230
COP	(3)		3.40	3.25	3.25	3.31	3.29	3.26	3.28	3.26	3.29	3.29	3.26	3.28
Efficiency Class			A	A	A	A	A	A	A	A	A	A	A	A
Cooling (EN14511 values)														
Nominal heat power	(3),(8)	kW	135	180	248	302	356	383	458	487	537	604	687	756
COP	(3),(8)		3.35	3.22	3.23	3.28	3.26	3.24	3.25	3.24	3.27	3.27	3.24	3.25
Efficiency Class			A	A	A	A	A	A	A	A	A	A	A	A
Compressors														
Type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity/Cooling circuits		n°/n°	2/1	2/1	2/2	4/2	4/2	4/2	4/2	4/2	6/2	6/2	6/2	6/2
Capacity control		n.	2	2	2	4	4	4	4	4	6	6	6	6
Fans														
Type			Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials
Quantity		n.	2	3	4	5	6	6	7	8	9	10	11	12
Air flow rate:		m3/h	42,000	63,000	84,000	105,000	126,000	126,000	147,000	168,000	189,000	210,000	231,000	252,000
Evaporator														
Type			Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates
Quantity			1	1	1	1	1	1	1	1	1	1	1	1
TETRIS 2 A water flow rate	(6)	l/h	19,292	27,777	39,502	47,093	55,632	62,342	72,173	78,427	83,390	93,356	106,787	117,854
TETRIS 2 A/HP water flow rate	(6)	l/h	19,157	27,515	39,209	46,346	55,030	61,995	71,797	78,074	82,545	92,519	106,105	117,111
	(7)	l/h	23,044	30,782	42,476	51,763	61,049	65,692	78,418	83,577	92,175	103,525	117,799	129,665
TETRIS 2 A pressure drops	(6)	kPa	47	42	29	32	37	43	42	25	24	30	31	36
TETRIS 2 A/HP pressure drops	(6)	kPa	46	41	28	30	35	40	39	24	23	28	29	35
	(7)	kPa	66	51	33	38	44	47	48	28	29	36	37	43
Hydraulic module														
Storage tank capacity		l	300	300	300	300	300	300	500	500	500	500	700	700
Expansion vessel		l	18	18	18	18	18	18	25	25	25	25	25	25
Type of pump			P3	P3	P4	P8	P8	P8	P8	P10	P10	P10	P14	P14
Pressure head ST 1P, ST 1PS		kPa	165	147	170	234	201	175	167	197	190	186	215	199
Pressure head ST 2P, ST 2PS		kPa	146	135	-	-	-	-	-	-	-	-	-	-
Type of pump			-	-	P1	P1	P1	P1	P3	P3	P3	P4	P4	P4
Pressure head ST 3P, ST 3PS		kPa	-	-	183	167	142	122	155	161	152	188	162	155
Noise														
Sound power level (basic unit)	(4)	dB(A)	86	88	89	90	91	91	91	92	93	93	93	93
Sound pressure level (basic unit)	(5)	dB(A)	54	56	57	58	59	59	58	59	61	60	61	61
Sound power level (LN version)	(4)	dB(A)	82	84	85	86	87	87	87	88	89	89	89	89
Sound pressure level (LN version)	(5)	dB(A)	50	52	53	54	55	55	54	55	57	57	57	57
Dimensions and base unit weights														
Length		mm	1,158	2,302	2,302	3,447	3,447	3,447	4,604	4,604	5,749	5,749	6,894	6,894
Depth		mm	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302
Height		mm	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397
Weight while running TETRIS 2 A		kg	813	1,249	1,392	2,022	2,160	2,160	2,797	2,874	3,432	3,568	3,957	4,070

(1) External air temperature 35°C; input water•evaporator output temperature 12•7°C
(2) The total power is given by the sum of the power absorbed by the compressors and by the fans
(3) External air temperature 7°C DB, 6°C WB; condenser input•output temperature 40•45°C
(4) Sound power levels calculated compliant to ISO 3744
(5) Sound pressure levels refer to 10 meters from unit in free field and directionality factor Q=2
(6) Evaporator inlet•outlet water temperature 12•7°C
(7) Evaporator inlet•outlet water temperature 40•45°C
(8) Values according to standard EN 14511•3:2011
This board reports the feature data of the base and standard versions; for details, refer to the specific documentation.

WESTERN™ AIRCONDITIONING

TETRIS 2 SLN TECHNICAL DATA

Unit size			11.2	17.2	23.2	28.4	34.4	38.4	43.4	47.4	50.6	57.6	64.6	70.6
TETRIS 2 SLN														
Cooling (Gross values)														
Nominal cooling capacity	(1)	kW	106	152	215	257	305	340	393	427	457	511	583	644
Total absorbed power in cooling mode	(1),(2)	kW	37	52	76	89	105	120	139	152	157	176	206	227
EER	(1)		2.89	2.92	2.84	2.89	2.92	2.84	2.83	2.82	2.91	2.90	2.83	2.83
ESEER			3.79	3.83	3.64	3.96	3.93	3.94	3.88	3.91	4.01	3.98	3.93	3.98
Efficiency Class			C	B	C	C	B	C	C	C	B	B	C	C
Cooling (EN14511 values)														
Nominal cooling capacity	(1),(8)	kW	105	152	215	256	304	339	392	426	456	510	582	642
EER	(1),(8)		2.83	2.87	2.80	2.86	2.88	2.80	2.79	2.79	2.89	2.87	2.80	2.81
ESEER	(8)		3.62	3.67	3.55	3.82	3.81	3.79	3.73	3.81	3.90	3.89	3.84	3.90
Efficiency Class			C	C	C	C	C	C	C	C	C	C	C	C
TETRIS 2 SLN /HP														
Cooling (Gross values)														
Nominal cooling capacity	(1)	kW	105	151	214	253	302	339	391	425	452	507	580	640
Total absorbed power in cooling mode	(1),(2)	kW	37	53	77	90	106	121	141	154	159	178	209	230
EER	(1)		2.84	2.87	2.78	2.82	2.86	2.79	2.77	2.77	2.85	2.84	2.78	2.78
ESEER			3.72	3.75	3.57	3.86	3.85	3.87	3.80	3.84	3.93	3.90	3.86	3.90
Efficiency Class			C	C	C	C	C	C	C	C	C	C	C	C
Cooling (EN14511 values)														
Nominal cooling capacity	(1),(8)	kW	104	150	213	252	301	337	390	425	451	505	578	638
EER	(1),(8)		2.78	2.82	2.75	2.79	2.82	2.76	2.74	2.74	2.83	2.82	2.75	2.75
ESEER	(8)		3.56	3.60	3.48	3.72	3.73	3.72	3.66	3.74	3.82	3.81	3.77	3.82
Efficiency Class			C	C	C	C	C	C	C	C	C	C	C	C
Cooling (Gross values)														
Nominal heat power	(3)	kW	134	179	247	301	355	382	456	486	536	602	685	754
Total power absorbed in heating mode	(2),(3)	kW	39	55	76	91	108	117	139	149	163	183	210	230
COP	(3)		3.40	3.25	3.25	3.31	3.29	3.26	3.28	3.26	3.29	3.29	3.26	3.28
Efficiency Class			A	A	A	A	A	A	A	A	A	A	A	A
Cooling (EN14511 values)														
Nominal heat power	(3),(8)	kW	135	180	248	302	356	383	458	487	537	604	687	756
COP	(3),(8)		3.35	3.22	3.23	3.28	3.26	3.24	3.25	3.24	3.27	3.27	3.24	3.25
Efficiency Class			A	A	A	A	A	A	A	A	A	A	A	A
Compressors														
Type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity/Cooling circuits		n°/n°	2/1	2/1	2/2	4/2	4/2	4/2	4/2	4/2	6/2	6/2	6/2	6/2
Capacity control		n.	2	2	2	4	4	4	4	4	6	6	6	6
Fans														
Type			Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials	Axials
Quantity		n.	2	3	4	5	6	6	7	8	9	10	11	12
Air flow rate:		m3/h	32,000	48,000	64,000	80,000	96,000	96,000	112,000	128,000	144,000	160,000	176,000	192,000
Evaporator														
Type			Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates	Plates
Quantity			1	1	1	1	1	1	1	1	1	1	1	1
TETRIS 2 SLN water flow rate	(6)	l/h	18,170	26,198	37,042	44,179	52,441	58,550	67,633	73,491	78,551	87,915	100,302	110,672
TETRIS 2 SLN/HP water flow rate	(6)	l/h	18,044	25,951	36,767	43,478	51,873	58,223	67,281	73,160	77,755	87,127	99,662	109,974
	(7)	l/h	23,044	30,782	42,476	51,763	61,049	65,692	78,418	83,577	92,175	103,525	117,799	129,665
TETRIS 2 SLN pressure drops	(6)	kPa	45	40	28	30	35	41	39	23	23	28	29	34
TETRIS 2 SLN/HP pressure drops	(6)	kPa	44	39	26	28	33	38	37	22	22	26	28	33
	(7)	kPa	66	51	33	38	44	47	48	28	29	36	37	43
Hydraulic module														
Storage tank capacity		l	300	300	300	300	300	300	500	500	500	500	700	700
Expansion vessel		l	18	18	18	18	18	18	25	25	25	25	25	25
Type of pump			P3	P3	P4	P8	P8	P8	P8	P10	P10	P10	P14	P14
Pressure head ST 1P, ST 1PS		kPa	165	147	170	234	201	175	167	197	190	186	215	199
Pressure head ST 2P, ST 2PS		kPa	146	135	-	-	-	-	-	-	-	-	-	-
Type of pump			-	-	P1	P1	P1	P1	P3	P3	P3	P4	P4	P4
Pressure head ST 3P, ST 3PS		kPa	-	-	183	167	142	122	155	161	152	188	162	155
Noise														
Sound power level	(4)	dB(A)	79	82	82	84	85	85	85	85	87	87	87	87
Noise pressure level	(5)	dB(A)	47	50	50	52	53	53	52	53	55	55	54	55
Dimensions and base unit weights														
Length		mm	1,158	2,302	2,302	3,447	3,447	3,447	4,604	4,604	5,749	5,749	6,894	6,894
Depth		mm	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302	2,302
Height		mm	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397
Peso in funzione TETRIS 2 SLN		kg	918	1,343	1,486	2,246	2,375	2,375	2,991	3,067	3,729	3,786	4,551	4,391

(1) External air temperature 35°C; input water-evaporator output temperature 12-7°C
(2) The total power is given by the sum of the power absorbed by the compressors and by the fans
(3) External air temperature 7°C DB, 6°C WB; condenser input-output temperature 40-45°C
(4) Sound power levels calculated compliant to ISO 3744
(5) Sound pressure levels refer to 10 meters from unit in free field and directionality factor Q=2
(6) Evaporator inlet-outlet water temperature 12-7°C
(7) Evaporator inlet-outlet water temperature 40-45°C
(8) Values according to standard EN 14511-3:2011
This board reports the feature data of the base and standard versions; for details, refer to the specific documentation.

TETRIS 2A - TETRIS 2 SLN TECHNICAL DATA

Unit size			11.2	17.2	23.2	28.4	34.4	38.4
Maximum absorbed power	(1),(3)	kW	49.2	69.7	100.8	118.9	139.4	156.4
			(51,4)	(71,9)	(106,4)	(124,5)	(145,0)	(162,0)
Maximum absorbed current	(2),(3)	A	81.5	116.9	168.4	198.4	233.8	263.0
			(86,5)	(121,9)	(183,3)	(213,3)	(248,7)	(277,9)
Maximum current at peak	(4)	A	270	368	395	449	485	514
			(275)	(373)	(410)	(464)	(499)	(529)
Fan nominal power		n° x kW	2 x 2,0	3 x 2,0	4 x 2,0	5 x 2,0	6 x 2,0	6 x 2,0
Fan nominal current		n° x A	2 x 4,3	3 x 4,3	4 x 4,3	5 x 4,3	6 x 4,3	6 x 4,3
Pump motor nominal power	(5)	kW	2.2	2.2	3.0	5.5	5.5	5.5
Pump motor nominal current	(5)	A	5.0	5.0	6.2	11.0	11.0	11.0
Pump motor nominal power	(6)	kW	-	-	5.6	5.6	5.6	5.6
Pump motor nominal current	(6)	A	-	-	14.9	14.9	14.9	14.9
Electric power supply		V/ph/Hz	400/3~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50
Auxiliary power supply		V/ph/Hz	230-24/1~/50	230-24/1~/50	230-24/1~/50	230-24/1~/50	230-24/1~/50	230-24/1~/50

Unit size			43.4	47.4	50.6	57.6	64.6	70.6
Maximum absorbed power	(1),(3)	kW	182.8	201.6	209.1	236.6	275.2	302.4
			(189,4)	(209,1)	(216,6)	(245,6)	(286,2)	(313,4)
Maximum absorbed current	(2),(3)	A	303.3	336.8	350.7	398.7	457.1	505.2
			(318,4)	(351,9)	(365,8)	(417,4)	(478,3)	(526,4)
Maximum current at peak	(4)	A	530	563	601	649	684	732
			(545)	(578)	(617)	(668)	(705)	(753)
Fan nominal power		n° x kW	7 x 2,0	8 x 2,0	9 x 2,0	10 x 2,0	11 x 2,0	12 x 2,0
Fan nominal current		n° x A	7 x 4,3	8 x 4,3	9 x 4,3	10 x 4,3	11 x 4,3	12 x 4,3
Pump motor nominal power	(5)	kW	5.5	7.5	7.5	7.5	11.0	11.0
Pump motor nominal current	(5)	A	11.0	14.5	14.5	14.5	21.2	21.2
Pump motor nominal power	(6)	kW	6.6	6.6	6.6	9.0	9.0	9.0
Pump motor nominal current	(6)	A	15.1	15.1	15.1	18.7	18.7	18.7
Electric power supply		V/ph/Hz	400/3~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50	400/3~/50
Auxiliary power supply		V/ph/Hz	230-24/1~/50	230-24/1~/50	230-24/1~/50	230-24/1~/50	230-24/1~/50	230-24/1~/50

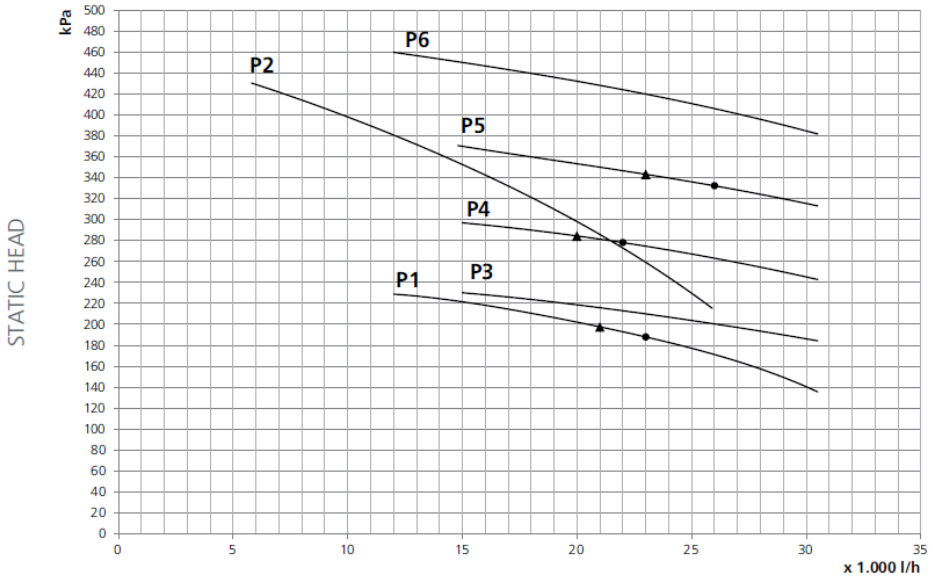
(1) Electric power that must be available from the electric network for the unit to work
(2) It is the maximum current absorbed by the unit. This value must never be exceeded and must be taken into account when sizing the line and the relative protection devices (see the wiring diagram supplied with the units).
(3) The values between brackets refer to the ST version units (unit with storage tank and pumps or units with pumps only).
(4) Maximum peak current calculated considering the compressor start-up with higher power and maximum current absorbed by all other devices
(5) Versions: ST 1P, ST 1PS, ST 2P, ST 2PS. The values refer to a single pump.

CONFIGURATIONS THAT ARE NOT POSSIBLE

MODEL		CH	CH /DS	CH /DC	CH /ST 1P	CH /ST 2P	CH /ST 3P	CH /ST 1PS	CH /ST 2PS	CH /ST 3PS	CH /ST 1P	CH /ST 2P	CH /ST 3P	CH /DS /ST 1PS	CH /DS /ST 2PS	CH /DS /ST 3PS	HP /DS /ST 1P	HP /DS /ST 2P	HP /DS /ST 3P	CH /DS /ST 1PS	CH /DS /ST 2PS	CH /DS /ST 3PS	HP	HP /DS (**)	HP /DC	HP /ST 1P	HP /ST 2P	HP /ST 3P	HP /ST 1PS	HP /ST 2PS	HP /ST 3PS	HP /DS /ST 1P	HP /DS /ST 2P	HP /DS /ST 3P	HP /DS /ST 1PS	HP /DS /ST 2PS	HP /DS /ST 3PS
11.2	*	✓	✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✗	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-
17.2		✓	✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✗	✗	-	✓	✓	-	✓	✓	-	✓	✓	✗	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-
23.2		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✗	-	✗	✓	-	✓	✗	-	✗	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✗	-	✗
28.4		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓
34.4		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓
38.4		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓
43.4		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓
47.4		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓
50.6		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓
57.6		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓
64.6		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓
70.6		✓	✓	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓	✓	✓	✗	✓	-	✓	✓	-	✓	✓	-	✓	✓	-	✓

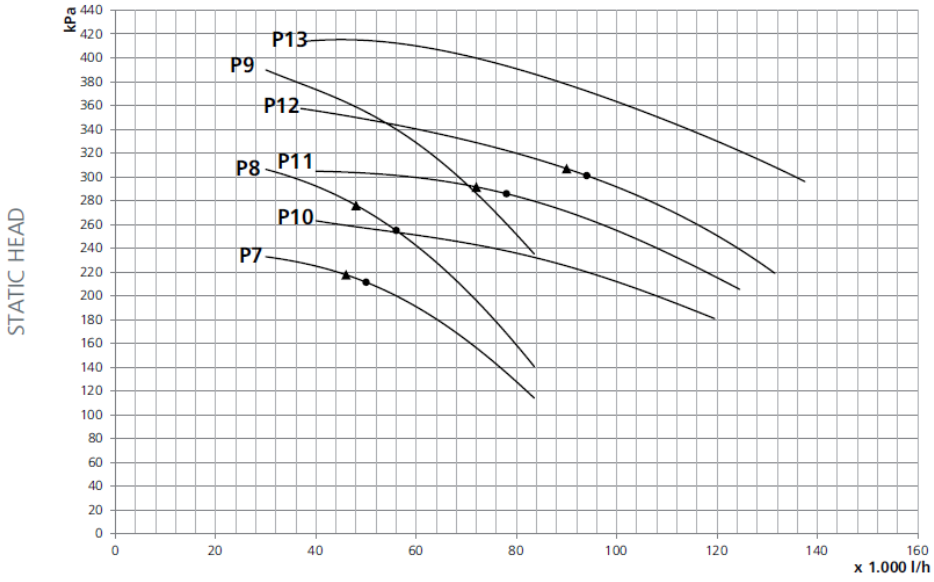
- = NOT AVAILABLE
✗ = NOT POSSIBLE
✓ = POSSIBLE
* = THE PUMPS IN VERSION 2PM-2PMS AND 2PG-2PGS IN SIZE 11.2 EXCEED THE OVERALL DIMENSIONS OF THE MACHINE BY A TOTAL OF 11 mm. IN ALL OTHER SIZES, THE OVERSIZE PUMPS ARE AVAILABLE IN THE SAME VERSIONS AS THE STANDARD PUMPS.
(**) = The DS on the heat pumps can only be used in summer mode

PUMP DIAGRAMS



▲ = Limit with 50% ethylene glycol

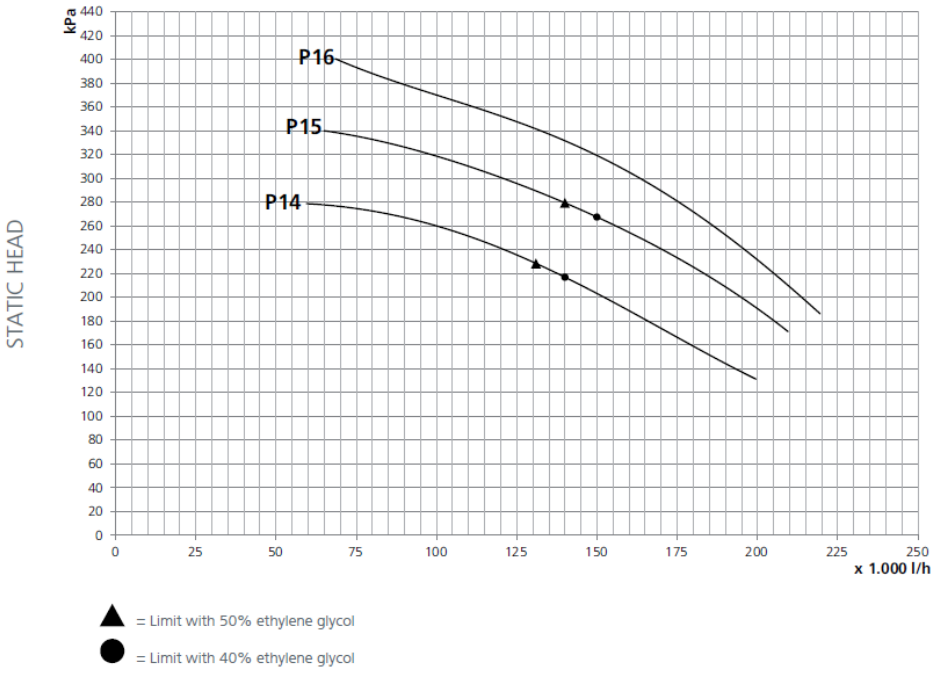
● = Limit with 40% ethylene glycol



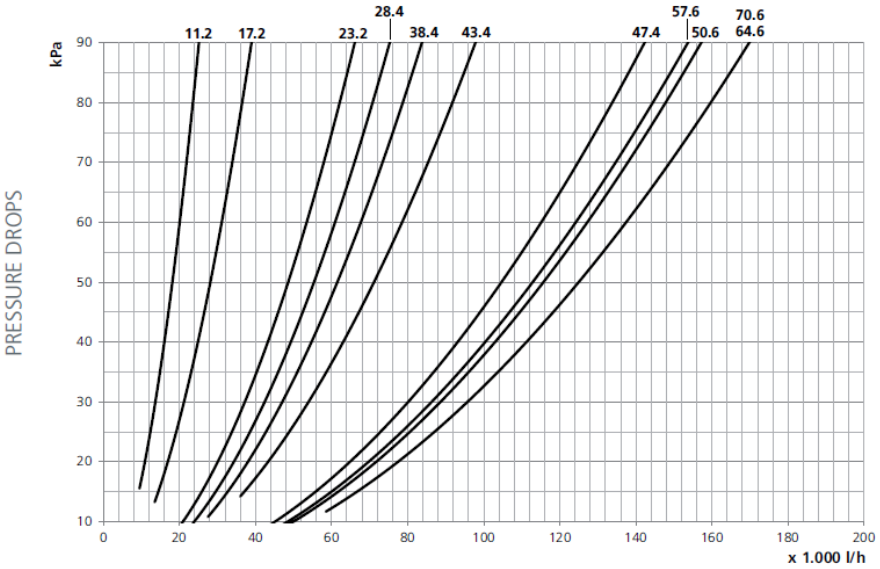
▲ = Limit with 50% ethylene glycol

● = Limit with 40% ethylene glycol

PUMP DIAGRAMS

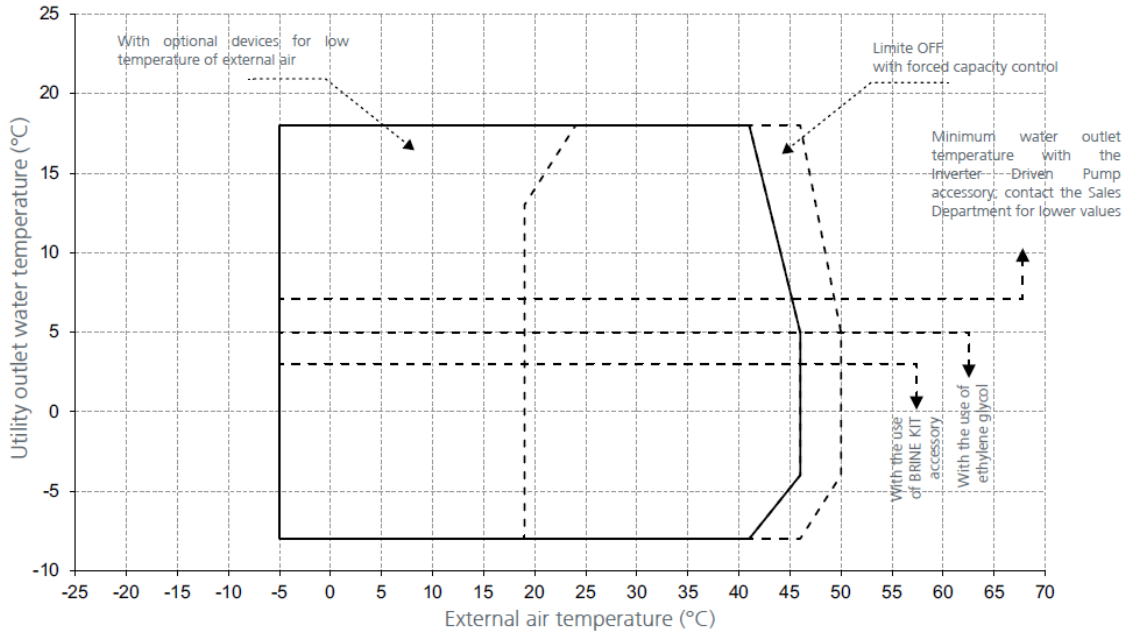


EXCHANGER DIAGRAMS

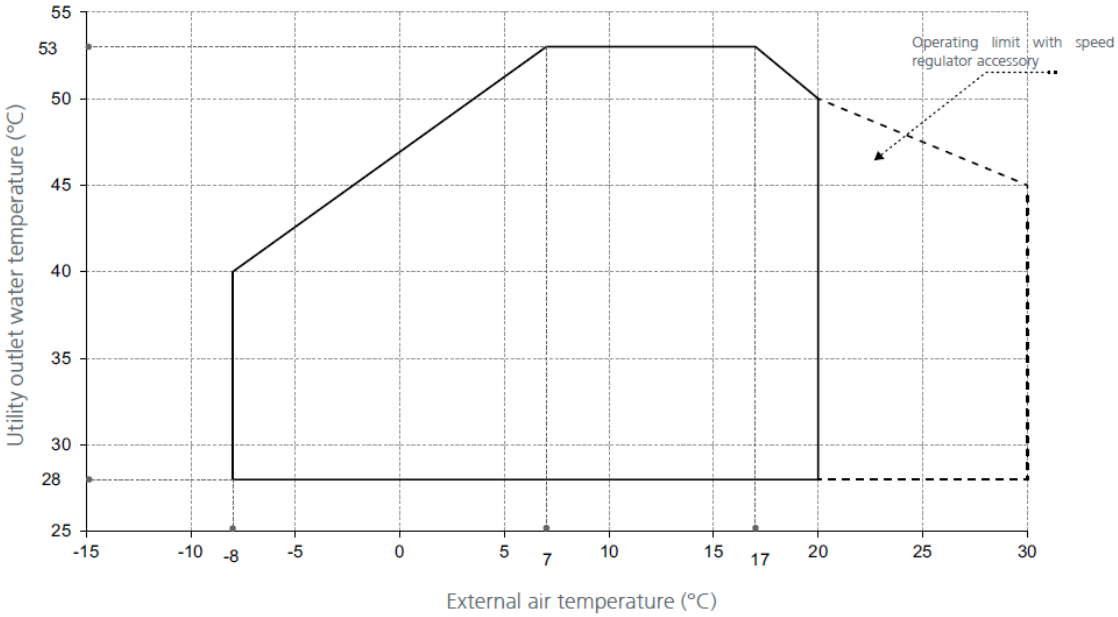


TETRIS 2A - TETRIS 2 SLN OPERATING LIMITS

COOLING



HEATING



NOTES:
THE HEAT DROP OF THE WATER FOR ALL VERSIONS MUST BE BETWEEN: 7°C. Thermal gradient = 5°C with Inverter for utility pump

WESTERN™ AIRCONDITIONING

TETRIS 2A - COOLING CAPACITIES

Model	To	External air temperature [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
11.2	5	118.4	25.7	112.2	28.2	105.7	31.0	99.0	34.4	94.9	36.7
	6	121.9	25.9	115.6	28.4	109.0	31.3	102.1	34.7	97.9	37.0
	7	125.5	26.2	119.0	28.7	**112.2**	**31.6**	105.1	35.0	100.8	37.3
	8	129.1	26.5	122.4	29.0	115.5	31.9	108.3	35.3	103.8	37.6
	9	132.8	26.7	126.0	29.2	118.8	32.2	111.4	35.6	106.8	37.9
	10	136.6	27.0	129.5	29.5	122.2	32.5	114.6	35.9	109.8	38.3
17.2	5	169.9	36.5	161.4	40.1	152.4	44.1	142.8	48.7	136.7	51.8
	6	175.0	36.8	166.2	40.4	156.9	44.5	147.1	49.1	140.9	52.1
	7	180.3	37.2	171.1	40.8	**161.5**	**44.9**	151.4	49.5	145.0	52.5
	8	185.3	37.5	176.1	41.1	166.2	45.2	155.8	49.9	149.2	52.9
	9	190.6	37.9	181.1	41.5	171.0	45.6	160.2	50.3	153.5	53.3
	10	196.0	38.3	186.2	41.9	175.8	46.0	164.7	50.7	157.8	53.7
23.2	5	244.0	52.4	230.5	58.1	216.1	64.5	200.8	71.7	191.1	76.5
	6	251.5	52.9	237.6	58.6	222.8	65.0	207.1	72.3	197.2	77.1
	7	259.7	53.4	245.2	59.2	**229.7**	**65.6**	213.3	72.9	203.1	77.7
	8	266.9	53.9	252.0	59.7	236.1	66.2	219.3	73.4	208.7	78.2
	9	274.2	54.4	258.9	60.2	242.6	66.7	225.4	74.0	214.6	78.8
	10	281.9	54.9	266.2	60.8	249.5	67.3	231.8	74.6	220.7	79.4
28.4	5	285.2	62.1	270.8	68.2	255.7	75.1	239.7	83.1	229.7	88.4
	6	294.4	62.8	279.6	68.8	264.0	75.8	247.5	83.8	237.2	89.2
	7	304.0	63.4	288.7	69.5	**272.5**	**76.5**	255.5	84.5	244.7	89.9
	8	313.2	64.1	297.3	70.2	280.5	77.2	262.9	85.2	251.9	90.6
	9	322.0	64.7	305.7	70.8	288.5	77.9	270.5	86.0	259.1	91.3
	10	331.2	65.3	314.5	71.5	296.9	78.6	278.4	86.7	266.8	92.1
34.4	5	338.6	73.2	321.8	80.3	303.9	88.5	284.8	97.7	272.8	103.7
	6	349.6	73.9	332.3	81.1	313.7	89.3	294.0	98.5	281.6	104.5
	7	360.8	74.7	342.8	81.9	**323.5**	**90.0**	303.0	99.3	290.1	105.3
	8	371.2	75.4	352.5	82.6	332.7	90.8	311.6	100.0	298.4	106.1
	9	381.5	76.1	362.3	83.3	342.1	91.6	320.5	100.8	306.9	106.9
	10	392.5	76.8	372.9	84.1	352.0	92.4	329.9	101.7	315.9	107.8
38.4	5	380.4	84.3	361.0	92.6	340.5	102.1	318.7	112.9	304.8	120.1
	6	392.7	85.2	372.7	93.6	351.4	103.1	328.8	113.9	314.6	121.1
	7	405.3	86.2	384.5	94.6	**362.5**	**104.1**	339.1	114.9	324.2	122.1
	8	417.2	87.1	395.6	95.5	372.7	105.1	348.4	115.9	333.2	123.1
	9	428.6	88.0	406.4	96.4	382.9	106.0	358.0	116.9	342.3	124.1
	10	440.4	88.9	417.7	97.4	393.8	107.1	368.2	118.0	352.1	125.2

Pf: Cooling power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
To: Utility outlet water temperature (°C)

WESTERN™ AIRCONDITIONING

TETRIS 2A - COOLING CAPACITIES

Model	To	External air temperature [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
43.4	5	449.2	95.9	424.2	106.6	397.7	118.6	369.7	132.2	352.0	141.2
	6	461.5	96.7	435.9	107.4	408.7	119.5	379.9	133.2	361.8	142.1
	7	473.8	97.6	447.6	108.3	**419.7**	**120.5**	390.2	134.1	371.7	143.1
	8	486.3	98.4	459.4	109.2	431.0	121.4	400.8	135.1	381.9	144.1
	9	499.7	99.3	472.3	110.2	443.2	122.4	412.4	136.2	392.9	145.2
	10	513.9	100.3	485.7	111.2	455.7	123.5	424.0	137.3	404.1	146.4
47.4	5	482.6	104.6	455.9	116.0	427.4	128.8	397.1	143.3	378.1	152.8
	6	498.1	105.6	471.4	117.1	442.5	130.0	411.8	144.6	392.3	154.2
	7	517.3	106.9	487.6	118.3	**456.1**	**131.2**	422.9	145.6	402.1	155.2
	8	526.6	107.5	496.3	119.0	464.2	131.9	430.3	146.3	409.7	155.9
	9	537.2	108.3	507.6	119.9	476.1	132.9	442.6	147.5	421.6	157.1
	10	552.6	109.3	522.1	121.0	489.7	134.0	455.3	148.7	433.6	158.3
50.6	5	505.3	109.6	480.1	120.4	453.3	132.6	424.8	146.4	407.0	155.5
	6	522.1	110.7	496.8	121.6	469.9	133.9	440.9	147.8	422.5	156.9
	7	542.0	112.1	514.7	122.9	**484.9**	**135.1**	453.5	148.9	433.7	157.9
	8	552.9	112.8	524.2	123.6	493.9	135.8	462.3	149.6	442.5	158.7
	9	564.6	113.6	536.6	124.5	506.8	136.9	475.2	150.8	455.3	160.0
	10	581.3	114.8	552.5	125.7	521.8	138.1	489.3	152.1	468.7	161.2
57.6	5	562.9	122.8	534.8	134.9	504.9	148.7	473.4	164.4	453.5	174.8
	6	580.2	124.0	551.3	136.1	521.5	150.0	490.0	165.9	469.9	176.3
	7	603.7	125.6	574.4	137.9	**542.9**	**151.8**	507.6	167.5	485.4	177.8
	8	619.4	126.7	587.1	138.9	553.0	152.7	517.0	168.3	494.4	178.7
	9	629.6	127.5	597.3	139.6	564.2	153.6	529.0	169.4	506.9	179.9
	10	647.0	128.7	615.0	141.0	580.9	155.1	544.7	170.9	521.9	181.5
64.6	5	652.3	140.8	617.1	156.6	579.6	174.4	539.9	194.6	514.8	207.9
	6	672.0	142.0	636.4	157.9	598.3	175.9	558.5	196.2	533.2	209.6
	7	698.3	143.7	661.2	159.7	**621.0**	**177.6**	577.6	197.8	550.1	211.1
	8	715.9	144.8	675.6	160.7	633.1	178.6	588.1	198.8	560.0	212.0
	9	728.1	145.6	687.9	161.6	645.9	179.6	601.9	200.0	574.4	213.4
	10	747.1	146.9	707.1	163.0	664.6	181.1	619.4	201.5	591.1	215.0
70.6	5	721.0	156.0	681.6	173.1	639.4	192.3	594.7	214.1	566.4	228.4
	6	742.5	157.4	701.9	174.6	658.5	193.9	614.1	215.8	585.7	230.3
	7	770.3	159.3	729.3	176.6	**685.3**	**196.1**	637.0	217.9	605.8	232.2
	8	792.7	160.8	747.3	177.9	699.2	197.2	648.4	218.9	616.6	233.3
	9	805.3	161.6	759.1	178.8	711.2	198.2	661.7	220.2	630.7	234.6
	10	824.2	162.9	779.3	180.3	731.6	199.9	680.7	221.9	648.8	236.4

Pf: Cooling power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
To: Utility outlet water temperature (°C)

WESTERN™ AIRCONDITIONING

TETRIS 2A HP - COOLING CAPACITIES

Model	To	External air temperature [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
11.2	5	117.7	25.6	111.5	28.1	105.1	31.0	98.4	34.4	94.2	36.7
	6	121.1	25.9	114.8	28.4	108.2	31.3	101.4	34.7	97.1	37.0
	7	124.8	26.1	118.3	28.6	**111.4**	**31.5**	104.4	35.0	100.0	37.3
	8	128.3	26.4	121.6	28.9	114.7	31.8	107.5	35.3	103.0	37.6
	9	131.9	26.7	125.1	29.2	118.0	32.1	110.6	35.6	106.0	37.9
	10	135.6	26.9	128.6	29.5	121.3	32.5	113.7	35.9	109.0	38.3
17.2	5	168.3	36.4	159.8	40.0	150.8	44.1	141.3	48.7	135.2	51.7
	6	173.2	36.7	164.5	40.3	155.3	44.4	145.5	49.0	139.3	52.1
	7	178.3	37.1	169.4	40.7	**160.0**	**44.8**	149.7	49.4	143.3	52.4
	8	183.4	37.4	174.2	41.1	164.4	45.2	154.1	49.8	147.5	52.8
	9	188.7	37.8	179.2	41.4	169.1	45.5	158.4	50.2	151.7	53.2
	10	193.9	38.2	184.2	41.8	173.8	45.9	162.9	50.6	155.9	53.7
23.2	5	242.2	52.3	228.7	58.0	214.4	64.4	199.1	71.7	189.5	76.5
	6	249.6	52.8	235.7	58.5	220.9	65.0	205.2	72.3	195.3	77.1
	7	257.5	53.4	243.2	59.1	**228.0**	**65.6**	211.7	72.9	201.4	77.7
	8	265.2	53.9	250.2	59.7	234.4	66.2	217.6	73.5	207.0	78.3
	9	272.4	54.4	257.0	60.2	240.7	66.7	223.5	74.0	212.7	78.8
	10	279.8	54.9	264.1	60.8	247.5	67.3	229.8	74.7	218.7	79.5
28.4	5	282.2	61.9	267.9	68.0	252.8	75.0	236.9	83.0	227.0	88.3
	6	291.2	62.6	276.5	68.7	261.0	75.7	244.7	83.7	234.4	89.1
	7	300.6	63.2	285.4	69.4	**269.5**	**76.4**	252.6	84.4	242.0	89.8
	8	310.1	63.9	294.4	70.1	277.7	77.1	260.1	85.2	249.1	90.5
	9	318.9	64.5	302.6	70.7	285.5	77.8	267.5	85.9	256.2	91.3
	10	327.8	65.2	311.1	71.4	293.6	78.5	275.2	86.6	263.7	92.1
34.4	5	334.8	72.9	318.1	80.1	300.3	88.3	281.5	97.5	269.5	103.6
	6	345.7	73.7	328.4	80.9	310.1	89.1	290.6	98.3	278.2	104.4
	7	356.8	74.4	339.0	81.7	**320.0**	**89.9**	299.8	99.1	287.0	105.2
	8	367.5	75.2	349.0	82.4	329.2	90.6	308.3	99.9	295.1	106.0
	9	377.7	75.9	358.6	83.2	338.4	91.4	316.8	100.7	303.3	106.8
	10	388.2	76.6	368.7	83.9	348.0	92.2	326.0	101.5	312.1	107.7
38.4	5	378.7	84.2	359.2	92.5	338.6	102.1	316.7	112.9	302.9	120.1
	6	390.6	85.1	370.6	93.5	349.4	103.1	326.8	113.9	312.5	121.1
	7	403.1	86.1	382.4	94.5	**360.5**	**104.1**	337.1	115.0	322.3	122.2
	8	415.5	87.0	393.9	95.5	371.0	105.1	346.6	116.0	331.3	123.2
	9	426.8	87.9	404.6	96.4	381.0	106.1	356.0	117.0	340.3	124.2
	10	438.2	88.9	415.6	97.4	391.5	107.1	365.9	118.1	349.8	125.3

Pf: Cooling power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
To: Utility outlet water temperature (°C)

WESTERN™ AIRCONDITIONING

TETRIS 2A HP - COOLING CAPACITIES

Model	To	External air temperature [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
43.4	5	447.5	96.0	422.4	106.7	395.9	118.8	367.7	132.4	350.0	141.4
	6	459.6	96.8	433.9	107.6	406.6	119.7	377.7	133.4	359.6	142.3
	7	471.8	97.7	445.5	108.5	**417.5**	**120.6**	387.9	134.3	369.3	143.3
	8	484.1	98.5	457.1	109.4	428.5	121.6	398.2	135.3	379.2	144.4
	9	497.0	99.4	469.5	110.3	440.4	122.6	409.5	136.4	390.0	145.5
	10	511.0	100.4	482.7	111.4	452.8	123.7	421.0	137.5	401.1	146.6
47.4	5	478.6	104.4	452.1	115.8	423.7	128.7	393.5	143.2	374.6	152.8
	6	492.8	105.4	465.4	116.8	436.8	129.8	406.7	144.4	387.5	154.1
	7	511.6	106.7	483.8	118.3	**454.0**	**131.3**	420.8	145.8	399.9	155.3
	8	525.1	107.6	494.7	119.1	462.5	132.0	428.4	146.5	407.1	156.0
	9	533.5	108.2	502.7	119.7	471.4	132.8	438.1	147.4	417.2	157.1
	10	547.3	109.2	517.0	120.9	484.8	134.0	450.5	148.7	429.1	158.3
50.6	5	499.1	109.2	474.2	120.0	447.7	132.2	419.4	146.0	401.6	155.2
	6	514.5	110.3	489.3	121.1	462.3	133.4	433.7	147.3	415.8	156.5
	7	534.6	111.6	508.5	122.6	**480.0**	**134.9**	449.7	148.7	430.1	157.8
	8	549.4	112.7	520.7	123.5	490.4	135.7	458.3	149.5	438.1	158.6
	9	559.1	113.4	530.5	124.2	500.1	136.5	468.7	150.5	448.9	159.7
	10	573.5	114.4	545.0	125.3	514.7	137.8	482.5	151.8	462.1	161.0
57.6	5	559.2	122.6	531.1	134.7	501.5	148.6	469.9	164.3	450.0	174.7
	6	576.4	123.8	547.5	136.0	516.9	149.8	484.9	165.7	465.2	176.2
	7	597.9	125.3	569.1	137.6	**538.0**	**151.6**	504.8	167.5	483.0	177.9
	8	617.5	126.7	585.1	138.9	550.8	152.7	514.7	168.4	491.9	178.8
	9	627.8	127.5	594.8	139.7	559.9	153.5	524.7	169.4	502.5	179.9
	10	642.3	128.5	610.2	140.9	576.2	155.0	540.1	170.9	517.3	181.4
64.6	5	649.0	140.8	613.8	156.6	576.4	174.4	536.5	194.6	511.4	207.9
	6	668.5	142.0	632.2	157.9	593.9	175.8	553.5	196.1	528.1	209.5
	7	692.0	143.5	655.8	159.6	**617.0**	**177.7**	574.8	198.0	547.8	211.4
	8	715.4	145.1	674.8	161.0	631.9	178.9	586.7	199.1	558.3	212.4
	9	727.1	145.9	685.7	161.8	642.9	179.8	597.7	200.1	570.0	213.6
	10	742.6	146.9	702.6	163.0	660.0	181.2	615.0	201.7	586.6	215.2
70.6	5	719.0	156.1	679.3	173.1	637.1	192.4	592.0	214.2	563.7	228.6
	6	740.3	157.5	699.4	174.6	655.9	194.0	609.6	215.8	581.3	230.3
	7	765.0	159.2	724.8	176.6	**681.0**	**196.1**	634.1	218.1	604.2	232.6
	8	793.0	161.1	747.2	178.3	698.6	197.6	647.3	219.3	615.2	233.7
	9	805.7	162.0	759.1	179.2	709.7	198.6	658.2	220.4	627.0	234.9
	10	820.9	163.0	775.9	180.5	727.9	200.1	677.0	222.2	644.9	236.7

Pf: Cooling power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
To: Utility outlet water temperature (°C)

WESTERN™ AIRCONDITIONING

TETRIS 2A HP - HEATING CAPACITIES

Model	Ta:	RH:	Condenser inlet water temperature [°C]							
	[°C]	%	30		35		40		45	
			Pt:	Pa	Pt:	Pa	Pt:	Pa	Pt:	Pa
11.2	-5	90	102.6	27.6	102.3	30.7	102.4	34.3	*	*
	0	90	116.0	28.0	115.3	31.1	115.0	35.1	115.2	39.8
	5	**80**	128.5	28.4	127.4	31.6	**126.6**	**35.7**	126.4	40.0
	7	70	132.9	28.6	131.7	31.8	130.8	35.8	130.4	40.1
	10	70	142.1	28.9	140.4	32.2	138.8	36.0	138.1	40.3
	15	70	158.8	29.5	156.8	32.7	155.0	36.4	153.4	40.6
17.2	-5	90	137.5	38.1	137.5	42.5	137.8	47.5	*	*
	0	90	155.2	38.5	154.7	42.9	154.3	47.8	154.0	55.0
	5	**80**	171.7	38.9	170.6	43.3	**169.6**	**48.2**	168.6	55.2
	7	70	177.6	39.1	176.3	43.4	175.0	48.9	173.8	55.3
	10	70	189.8	39.5	187.6	43.9	185.3	49.9	183.7	55.5
	15	70	212.0	40.2	209.4	44.8	206.6	50.3	203.3	55.9
23.2	-5	90	191.4	54.7	191.6	61.2	192.3	68.7	*	*
	0	90	214.8	54.9	214.1	61.4	213.8	68.8	213.8	76.9
	5	**80**	236.7	55.2	235.2	61.6	**234.0**	**68.9**	233.0	77.0
	7	70	244.5	55.3	242.8	61.7	241.3	69.0	240.0	77.0
	10	70	261.0	55.4	258.5	61.9	255.6	69.1	253.3	77.1
	15	70	290.4	55.8	287.2	62.2	283.9	69.4	280.5	77.4
28.4	-5	90	230.7	65.8	230.5	73.1	231.1	81.3	*	*
	0	90	260.3	66.3	259.3	73.5	258.8	81.6	258.7	90.8
	5	**80**	288.0	66.8	286.0	73.9	**284.5**	**82.0**	283.6	91.0
	7	70	297.9	67.0	295.7	74.1	293.9	82.1	292.4	91.2
	10	70	318.5	67.4	315.0	74.4	311.7	82.4	309.5	91.4
	15	70	356.0	68.1	351.9	75.1	347.9	83.1	343.7	92.0
34.4	-5	90	272.4	78.7	272.6	87.3	273.3	96.6	*	*
	0	90	307.1	79.2	306.3	87.7	305.6	96.9	305.2	107.1
	5	**80**	339.4	79.7	337.4	88.2	**335.8**	**97.2**	334.3	107.4
	7	70	351.1	79.9	348.7	88.4	346.7	97.4	344.7	107.5
	10	70	375.2	80.4	370.9	88.7	367.6	97.7	364.7	107.7
	15	70	419.2	81.2	414.5	89.5	410.0	98.3	404.4	108.3
38.4	-5	90	292.5	86.3	293.8	96.1	*	*	*	*
	0	90	329.0	86.5	329.0	96.1	329.4	106.3	*	*
	5	**80**	363.2	87.0	361.9	96.3	**361.0**	**106.4**	360.5	117.7
	7	70	375.4	87.1	373.7	96.4	372.4	106.4	371.5	117.7
	10	70	401.3	87.5	398.4	96.7	396.0	106.6	393.0	117.8
	15	70	447.0	88.4	443.0	97.4	439.3	107.2	435.5	118.3

Pt: Heat power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
Ta: Dry bulb temperature of the evaporator inlet air [°C]
RH: Relative humidity of the input air at the evaporator [%]

WESTERN™ AIRCONDITIONING

TETRIS 2A HP - HEATING CAPACITIES

Model	Ta:	RH:	Condenser inlet water temperature [°C]							
	[°C]	%	30		35		40		45	
			Pt:	Pa	Pt:	Pa	Pt:	Pa	Pt:	Pa
43.4	-5	90	351.7	99.7	352.7	112.0	197.5	69.3	*	*
	0	90	394.8	100.2	394.3	112.4	394.5	126.2	395.4	141.8
	5	**80**	435.0	100.6	433.1	112.8	**431.7**	**126.5**	430.8	142.1
	7	70	449.4	100.7	447.0	112.9	445.1	126.7	443.6	142.2
	10	70	479.5	101.0	475.8	113.2	471.8	126.9	468.3	142.4
	15	70	533.1	101.5	528.1	113.7	523.0	127.4	517.7	142.8
47.4	-5	90	376.8	106.3	377.2	119.3	378.6	134.2	*	*
	0	90	422.8	106.8	421.5	119.7	420.9	134.4	420.9	151.0
	5	**80**	465.9	107.3	463.0	120.1	**460.5**	**134.7**	458.6	151.2
	7	70	481.4	107.5	477.9	120.3	474.9	134.9	472.2	151.3
	10	70	513.7	107.9	508.7	120.7	502.9	135.2	498.3	151.6
	15	70	571.6	108.6	565.2	121.4	558.4	135.9	551.2	152.2
50.6	-5	90	411.6	116.7	411.8	130.6	412.9	145.7	*	*
	0	90	464.1	118.1	462.7	131.3	461.7	146.2	461.1	162.9
	5	**80**	512.9	119.0	509.8	132.0	**507.0**	**146.8**	504.8	163.4
	7	70	530.5	119.3	526.9	132.3	523.5	147.1	520.2	163.6
	10	70	566.9	119.9	560.4	132.9	555.0	147.6	550.3	164.0
	15	70	633.5	121.2	626.2	134.1	618.9	148.7	609.4	165.0
57.6	-5	90	461.6	132.1	462.6	147.6	464.8	165.1	*	*
	0	90	520.4	132.7	519.3	147.8	518.9	164.9	519.1	184.1
	5	**80**	575.4	133.4	572.1	148.3	**569.5**	**165.2**	567.6	184.1
	7	70	595.2	133.8	591.3	148.6	588.0	165.3	584.9	184.2
	10	70	636.2	134.5	629.5	149.1	623.3	165.8	618.5	184.6
	15	70	711.2	136.0	703.1	150.5	694.8	167.0	685.3	185.6
64.6	-5	90	529.1	150.0	530.2	168.5	532.5	189.5	*	*
	0	90	594.2	150.6	593.1	169.1	593.0	190.0	593.4	213.5
	5	**80**	655.0	151.2	651.7	169.6	**649.0**	**190.4**	647.1	213.9
	7	70	676.8	151.4	672.8	169.8	669.4	190.6	666.4	214.0
	10	70	722.2	151.8	715.8	170.2	708.5	191.0	703.4	214.3
	15	70	804.2	152.6	795.9	170.9	787.1	191.7	777.5	215.0
70.6	-5	90	585.0	164.4	585.8	184.5	*	*	*	*
	0	90	656.1	165.2	654.2	185.2	653.5	207.9	653.5	233.7
	5	**80**	722.9	166.1	718.4	185.9	**714.6**	**208.5**	711.7	234.1
	7	70	746.8	166.4	741.5	186.2	736.8	208.8	732.7	234.3
	10	70	796.8	167.1	789.2	186.8	779.8	209.3	773.0	234.7
	15	70	886.5	168.2	876.6	188.0	865.8	210.5	854.2	235.7

Pt: Heat power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
Ta: Dry bulb temperature of the evaporator inlet air [°C]
RH: Relative humidity of the input air at the evaporator [%]

WESTERN™ AIRCONDITIONING

TETRIS 2 SLN - COOLING CAPACITIES

Model	To	External air temperature [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
11.2	5	112.0	26.8	106.0	29.4	99.7	32.5	93.2	36.0	89.1	38.5
	6	115.3	27.1	109.1	29.7	102.7	32.8	96.0	36.4	91.9	38.8
	7	118.6	27.4	112.3	30.0	**105.7**	**33.1**	98.8	36.7	94.5	39.2
	8	122.0	27.7	115.5	30.3	108.7	33.5	101.6	37.1	97.2	39.5
	9	125.5	28.0	118.7	30.7	111.8	33.8	104.5	37.4	100.0	39.9
	10	128.9	28.3	122.0	31.0	114.9	34.1	107.4	37.8	102.7	40.3
17.2	5	161.2	38.0	152.8	41.8	143.9	46.0	134.4	50.8	128.5	54.0
	6	165.9	38.4	157.3	42.2	148.1	46.4	138.4	51.2	132.3	54.4
	7	170.8	38.8	161.8	42.6	**152.4**	**46.9**	142.3	51.7	136.0	54.8
	8	175.5	39.2	166.4	43.0	156.7	47.3	146.4	52.1	139.9	55.3
	9	180.4	39.6	171.0	43.4	161.1	47.7	150.5	52.6	143.8	55.7
	10	185.4	40.0	175.7	43.9	165.4	48.2	154.6	53.0	147.7	56.2
23.2	5	230.6	55.0	217.2	61.0	203.0	67.7	187.9	75.2	178.4	80.2
	6	237.5	55.6	223.8	61.6	209.2	68.3	193.7	75.9	184.0	80.9
	7	245.0	56.2	230.6	62.2	**215.4**	**69.0**	199.3	76.5	189.2	81.5
	8	251.6	56.8	236.9	62.8	221.2	69.6	204.7	77.2	194.3	82.2
	9	258.3	57.4	243.2	63.4	227.2	70.2	210.3	77.8	199.7	82.9
	10	265.5	58.0	249.9	64.1	233.5	70.9	216.1	78.5	205.2	83.6
28.4	5	270.4	64.8	256.2	71.2	241.4	78.5	225.6	86.8	215.8	92.4
	6	279.0	65.5	264.4	71.9	249.1	79.3	232.8	87.7	222.7	93.3
	7	287.8	66.2	272.7	72.7	**256.9**	**80.1**	240.1	88.5	229.5	94.1
	8	296.3	67.0	280.7	73.4	264.2	80.8	246.9	89.3	236.0	94.9
	9	304.5	67.7	288.5	74.2	271.6	81.6	253.8	90.1	242.7	95.7
	10	313.0	68.4	296.6	75.0	279.3	82.4	261.1	91.0	249.7	96.6
34.4	5	321.3	76.3	304.6	83.8	286.9	92.3	268.1	101.9	256.3	108.2
	6	331.5	77.1	314.3	84.7	296.0	93.2	276.6	102.8	264.3	109.1
	7	341.9	78.0	324.0	85.5	**304.9**	**94.1**	284.8	103.7	272.1	110.0
	8	351.4	78.8	333.0	86.4	313.4	94.9	292.7	104.5	279.6	110.9
	9	361.0	79.6	342.0	87.2	322.1	95.8	300.8	105.5	287.5	111.8
	10	371.2	80.4	351.8	88.1	331.3	96.7	309.4	106.4	295.6	112.8
38.4	5	359.8	88.3	340.7	97.1	320.3	107.1	298.8	118.4	285.1	125.9
	6	371.2	89.4	351.4	98.2	330.3	108.2	308.0	119.5	293.9	127.0
	7	382.8	90.4	362.3	99.3	**340.5**	**109.4**	317.2	120.7	302.5	128.2
	8	393.6	91.5	372.3	100.4	349.7	110.4	325.8	121.8	310.7	129.3
	9	404.1	92.5	382.2	101.4	359.0	111.5	334.4	123.0	319.0	130.5
	10	415.0	93.6	392.6	102.6	368.9	112.8	343.7	124.2	327.8	131.8

Pf: Cooling power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
To: Utility outlet water temperature (°C)

WESTERN™ AIRCONDITIONING

TETRIS 2 SLN - COOLING CAPACITIES

Model	To	External air temperature [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
43.4	5	424.0	101.0	399.3	112.2	373.2	124.8	345.6	139.0	328.2	148.4
	6	435.3	102.0	410.0	113.2	383.2	125.9	354.8	140.1	337.0	149.5
	7	446.7	102.9	420.7	114.2	**393.3**	**127.0**	364.2	141.2	346.0	150.6
	8	458.2	103.9	431.7	115.3	403.6	128.1	374.0	142.4	355.4	151.8
	9	470.6	105.0	443.5	116.4	414.8	129.3	384.4	143.7	365.3	153.1
	10	483.6	106.1	455.7	117.6	426.2	130.5	395.0	145.0	375.4	154.4
47.4	5	456.1	109.8	429.7	121.7	401.5	135.1	371.8	150.2	353.1	160.2
	6	470.7	111.0	444.2	123.1	415.7	136.6	385.2	151.8	366.1	161.8
	7	487.5	112.5	458.2	124.4	**427.3**	**137.8**	394.8	152.9	374.4	162.8
	8	496.0	113.2	466.2	125.2	434.7	138.6	401.9	153.7	381.8	163.8
	9	506.4	114.1	477.1	126.2	446.1	139.8	413.1	155.1	392.5	165.1
	10	520.5	115.3	490.4	127.5	458.5	141.2	424.6	156.5	403.4	166.5
50.6	5	479.4	114.3	454.5	125.5	428.1	138.3	400.1	152.7	382.5	162.1
	6	495.3	115.6	470.3	126.9	443.6	139.8	414.9	154.3	396.8	163.8
	7	513.4	117.1	486.0	128.4	**456.8**	**141.1**	425.9	155.5	406.4	164.9
	8	523.1	117.9	494.8	129.2	465.2	142.0	434.1	156.4	414.6	165.8
	9	534.5	118.8	506.8	130.3	477.5	143.2	446.3	157.7	426.5	167.2
	10	549.9	120.1	521.5	131.6	491.2	144.6	459.1	159.2	438.8	168.7
57.6	5	533.9	128.0	506.2	140.8	476.8	155.2	445.7	171.6	426.1	182.5
	6	550.1	129.4	521.8	142.2	492.7	156.8	461.3	173.3	441.5	184.3
	7	572.2	131.3	543.2	144.2	**511.2**	**158.7**	476.5	175.0	454.8	185.8
	8	585.8	132.4	554.0	145.2	520.5	159.7	485.1	176.0	462.9	186.8
	9	595.2	133.2	564.1	146.1	531.5	160.8	496.9	177.4	475.0	188.3
	10	612.0	134.7	580.5	147.7	546.8	162.5	511.2	179.1	488.6	190.1
64.6	5	617.3	147.9	582.4	164.4	545.4	183.0	506.2	204.1	481.5	217.9
	6	635.8	149.3	600.5	166.0	563.1	184.8	523.7	206.0	498.7	219.9
	7	660.3	151.3	623.0	168.0	**583.3**	**186.8**	540.1	207.8	513.0	221.6
	8	675.2	152.5	635.6	169.1	593.7	187.9	549.6	208.9	522.1	222.7
	9	686.8	153.5	647.2	170.2	606.3	189.1	563.1	210.4	535.9	224.4
	10	704.9	154.9	665.4	171.9	623.4	190.9	579.0	212.2	551.0	226.2
70.6	5	682.0	163.7	642.9	181.6	601.2	201.7	557.1	224.4	529.3	239.3
	6	701.7	165.4	661.5	183.3	619.4	203.5	575.4	226.4	547.4	241.5
	7	728.0	167.6	687.3	185.7	**643.5**	**206.0**	595.0	228.7	564.4	243.6
	8	747.1	169.2	702.4	187.1	655.1	207.3	605.2	229.9	574.1	244.8
	9	758.6	170.1	713.0	188.1	667.0	208.5	618.4	231.4	587.8	246.5
	10	777.1	171.7	732.8	190.0	685.6	210.5	635.6	233.5	604.2	248.6

Pf: Cooling power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
To: Utility outlet water temperature (°C)

WESTERN™ AIRCONDITIONING

TETRIS 2 SLN HP - COOLING CAPACITIES

Model	To	External air temperature [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
11.2	5	111.4	27.1	105.4	29.7	99.1	32.8	92.5	36.5	88.4	39.0
	6	114.6	27.4	108.4	30.0	102.0	33.2	95.3	36.8	91.1	39.3
	7	118.0	27.7	111.6	30.4	**104.9**	**33.5**	98.0	37.2	93.7	39.7
	8	121.3	28.0	114.7	30.7	107.9	33.9	100.9	37.6	96.4	40.1
	9	124.6	28.3	117.9	31.0	111.0	34.2	103.7	37.9	99.1	40.5
	10	128.1	28.6	121.2	31.4	114.0	34.6	106.5	38.3	101.9	40.9
17.2	5	159.7	38.4	151.4	42.2	142.4	46.6	133.0	51.4	127.0	54.6
	6	164.3	38.8	155.7	42.6	146.6	47.0	136.9	51.8	130.7	55.0
	7	169.1	39.2	160.3	43.1	**150.9**	**47.4**	140.7	52.3	134.5	55.5
	8	173.8	39.6	164.7	43.5	155.0	47.8	144.7	52.7	138.2	55.9
	9	178.6	40.0	169.2	43.9	159.3	48.3	148.7	53.2	142.1	56.4
	10	183.5	40.5	173.8	44.4	163.6	48.7	152.7	53.6	145.9	56.9
23.2	5	228.9	55.7	215.6	61.7	201.4	68.5	186.3	76.2	176.8	81.2
	6	235.8	56.3	222.0	62.3	207.3	69.2	191.8	76.9	182.1	81.9
	7	243.0	56.9	228.9	63.0	**213.8**	**69.9**	197.6	77.6	187.5	82.6
	8	250.0	57.5	235.2	63.7	219.5	70.5	203.0	78.2	192.6	83.3
	9	256.6	58.1	241.4	64.3	225.3	71.2	208.4	78.9	197.7	84.0
	10	263.5	58.8	247.9	65.0	231.4	71.9	214.1	79.6	203.1	84.7
28.4	5	266.3	65.4	252.3	71.9	237.5	79.3	221.9	87.9	212.2	93.5
	6	274.7	66.1	260.2	72.7	245.1	80.1	229.0	88.7	218.9	94.4
	7	283.4	66.9	268.5	73.5	**252.8**	**81.0**	236.2	89.6	225.8	95.3
	8	292.1	67.7	276.6	74.3	260.2	81.8	243.0	90.4	232.2	96.1
	9	300.1	68.4	284.1	75.0	267.4	82.6	249.7	91.2	238.6	97.0
	10	308.3	69.2	292.0	75.8	274.9	83.5	256.8	92.1	245.4	97.9
34.4	5	317.6	77.0	301.1	84.6	283.5	93.3	264.9	103.0	253.0	109.4
	6	327.8	77.9	310.7	85.5	292.5	94.2	273.2	103.9	261.0	110.3
	7	338.1	78.8	320.4	86.5	**301.6**	**95.1**	281.6	104.9	268.9	111.3
	8	347.9	79.6	329.5	87.3	310.0	96.0	289.3	105.8	276.3	112.2
	9	357.3	80.4	338.4	88.2	318.4	96.9	297.1	106.7	283.8	113.1
	10	367.1	81.3	347.7	89.1	327.3	97.9	305.5	107.7	291.8	114.2
38.4	5	358.3	89.4	339.0	98.3	318.6	108.5	296.9	120.0	283.2	127.6
	6	369.4	90.4	349.5	99.4	328.5	109.6	306.0	121.2	291.9	128.8
	7	380.9	91.5	360.3	100.6	**338.6**	**110.8**	315.3	122.4	300.6	130.0
	8	392.1	92.7	370.7	101.7	348.0	112.0	323.8	123.5	308.6	131.2
	9	402.5	93.7	380.5	102.8	357.1	113.1	332.3	124.7	316.7	132.3
	10	413.1	94.8	390.6	104.0	366.7	114.3	341.3	126.0	325.3	133.7

Pf: Cooling power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
To: Utility outlet water temperature (°C)

WESTERN™ AIRCONDITIONING

TETRIS 2 SLN HP - COOLING CAPACITIES

Model	To	External air temperature [°C]									
	[°C]	25		30		35		40		43	
		Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa	Pf	Pa
43.4	5	422.6	102.5	397.8	113.9	371.5	126.7	343.6	141.1	326.1	150.6
	6	433.8	103.5	408.3	114.9	381.4	127.8	352.7	142.2	334.8	151.7
	7	445.1	104.5	418.9	116.0	**391.3**	**128.9**	362.0	143.4	343.6	152.9
	8	456.4	105.5	429.6	117.0	401.3	130.0	371.4	144.6	352.6	154.1
	9	468.3	106.6	441.0	118.2	412.2	131.3	381.6	145.9	362.4	155.5
	10	481.1	107.8	453.0	119.5	423.4	132.6	392.0	147.2	372.2	156.8
47.4	5	452.6	111.1	426.2	123.2	398.1	136.8	368.3	152.1	349.6	162.2
	6	465.6	112.2	438.5	124.4	410.5	138.1	380.6	153.6	361.6	163.8
	7	483.3	113.8	455.5	126.1	**425.4**	**139.8**	392.6	155.1	372.0	165.2
	8	494.7	114.8	464.7	127.0	432.9	140.6	399.4	155.9	378.5	166.0
	9	502.4	115.5	472.7	127.8	441.6	141.6	408.8	157.1	388.1	167.3
	10	515.8	116.8	485.8	129.2	453.8	143.0	420.0	158.6	398.8	168.8
50.6	5	473.3	115.3	448.7	126.8	422.4	139.7	394.5	154.3	376.9	163.9
	6	487.8	116.6	462.7	128.1	436.0	141.1	407.9	155.8	390.1	165.5
	7	506.6	118.2	480.3	129.7	**452.2**	**142.8**	421.8	157.4	402.3	166.9
	8	519.3	119.3	491.0	130.8	461.1	143.7	429.5	158.3	409.6	167.8
	9	528.5	120.1	500.2	131.6	470.6	144.7	439.6	159.5	420.0	169.1
	10	542.3	121.3	514.1	133.0	484.1	146.2	452.2	160.9	432.0	170.6
57.6	5	529.7	129.5	502.1	142.4	472.7	157.1	441.5	173.8	421.8	184.8
	6	545.7	130.9	517.1	143.9	486.9	158.6	455.7	175.4	436.1	186.5
	7	566.2	132.7	537.4	145.8	**506.6**	**160.7**	473.1	177.5	451.2	188.4
	8	583.0	134.2	551.0	147.2	517.3	161.9	481.7	178.5	459.3	189.5
	9	592.4	135.1	559.8	148.1	526.3	162.9	491.6	179.7	469.6	190.8
	10	606.6	136.4	574.9	149.6	541.4	164.6	505.6	181.5	483.0	192.6
64.6	5	614.0	149.8	579.1	166.6	542.1	185.5	502.7	206.8	477.9	220.9
	6	632.0	151.3	596.0	168.1	558.4	187.2	518.4	208.7	493.6	222.8
	7	654.5	153.2	618.4	170.2	**579.6**	**189.4**	537.4	210.9	510.5	225.0
	8	674.4	154.9	634.3	171.8	592.0	190.8	547.5	212.1	519.6	226.1
	9	685.0	155.8	644.6	172.8	602.4	191.9	558.4	213.4	531.1	227.6
	10	700.4	157.1	660.7	174.3	618.7	193.6	574.1	215.3	546.0	229.5
70.6	5	680.1	165.9	640.7	184.0	598.9	204.5	554.3	227.5	526.4	242.7
	6	699.7	167.6	659.2	185.8	616.1	206.3	570.9	229.5	543.1	244.8
	7	723.5	169.7	683.2	188.2	**639.5**	**208.9**	592.9	232.1	562.3	247.3
	8	747.3	171.8	702.0	190.0	654.1	210.5	603.6	233.5	572.1	248.6
	9	758.8	172.9	712.8	191.1	664.0	211.6	614.6	234.8	583.7	250.1
	10	774.1	174.2	729.4	192.8	681.9	213.6	631.5	236.9	599.8	252.3

Pf: Cooling power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
To: Utility outlet water temperature (°C)

WESTERN™ AIRCONDITIONING

TETRIS 2 SLN HP - HEATING CAPACITIES

Model	Ta:	RH:	Condenser inlet water temperature [°C]							
	[°C]	%	30		35		40		45	
			Pt:	Pa	Pt:	Pa	Pt:	Pa	Pt:	Pa
11.2	-5	90	102.6	27.6	102.3	30.7	102.4	34.3	*	*
	0	90	116.0	28.0	115.3	31.1	115.0	35.1	115.2	39.8
	5	**80**	128.5	28.4	127.4	31.6	**126.6**	**35.7**	126.4	40.0
	7	70	132.9	28.6	131.7	31.8	130.8	35.8	130.4	40.1
	10	70	142.1	28.9	140.4	32.2	138.8	36.0	138.1	40.3
	15	70	158.8	29.5	156.8	32.7	155.0	36.4	153.4	40.6
17.2	-5	90	137.5	38.1	137.5	42.5	137.8	47.5	*	*
	0	90	155.2	38.5	154.7	42.9	154.3	47.8	154.0	55.0
	5	**80**	171.7	38.9	170.6	43.3	**169.6**	**48.2**	168.6	55.2
	7	70	177.6	39.1	176.3	43.4	175.0	48.9	173.8	55.3
	10	70	189.8	39.5	187.6	43.9	185.3	49.9	183.7	55.5
	15	70	212.0	40.2	209.4	44.8	206.6	50.3	203.3	55.9
23.2	-5	90	191.4	54.7	191.6	61.2	192.3	68.7	*	*
	0	90	214.8	54.9	214.1	61.4	213.8	68.8	213.8	76.9
	5	**80**	236.7	55.2	235.2	61.6	**234.0**	**68.9**	233.0	77.0
	7	70	244.5	55.3	242.8	61.7	241.3	69.0	240.0	77.0
	10	70	261.0	55.4	258.5	61.9	255.6	69.1	253.3	77.1
	15	70	290.4	55.8	287.2	62.2	283.9	69.4	280.5	77.4
28.4	-5	90	230.7	65.8	230.5	73.1	231.1	81.3	*	*
	0	90	260.3	66.3	259.3	73.5	258.8	81.6	258.7	90.8
	5	**80**	288.0	66.8	286.0	73.9	**284.5**	**82.0**	283.6	91.0
	7	70	297.9	67.0	295.7	74.1	293.9	82.1	292.4	91.2
	10	70	318.5	67.4	315.0	74.4	311.7	82.4	309.5	91.4
	15	70	356.0	68.1	351.9	75.1	347.9	83.1	343.7	92.0
34.4	-5	90	272.4	78.7	272.6	87.3	273.3	96.6	*	*
	0	90	307.1	79.2	306.3	87.7	305.6	96.9	305.2	107.1
	5	**80**	339.4	79.7	337.4	88.2	**335.8**	**97.2**	334.3	107.4
	7	70	351.1	79.9	348.7	88.4	346.7	97.4	344.7	107.5
	10	70	375.2	80.4	370.9	88.7	367.6	97.7	364.7	107.7
	15	70	419.2	81.2	414.5	89.5	410.0	98.3	404.4	108.3
38.4	-5	90	292.5	86.3	293.8	96.1	*	*	*	*
	0	90	329.0	86.5	329.0	96.1	329.4	106.3	*	*
	5	**80**	363.2	87.0	361.9	96.3	**361.0**	**106.4**	360.5	117.7
	7	70	375.4	87.1	373.7	96.4	372.4	106.4	371.5	117.7
	10	70	401.3	87.5	398.4	96.7	396.0	106.6	393.0	117.8
	15	70	447.0	88.4	443.0	97.4	439.3	107.2	435.5	118.3

Pt: Heat power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
Ta: Dry bulb temperature of the evaporator inlet air [°C]
RH: Relative humidity of the input air at the evaporator [%]

TETRIS 2 SLN HP - HEATING CAPACITIES

Model	Ta:	RH:	Condenser inlet water temperature [°C]							
	[°C]	%	30		35		40		45	
			Pt:	Pa	Pt:	Pa	Pt:	Pa	Pt:	Pa
43.4	-5	90	351.7	99.7	352.7	112.0	197.5	69.3	*	*
	0	90	394.8	100.2	394.3	112.4	394.5	126.2	395.4	141.8
	5	**80**	435.0	100.6	433.1	112.8	**431.7**	**126.5**	430.8	142.1
	7	70	449.4	100.7	447.0	112.9	445.1	126.7	443.6	142.2
	10	70	479.5	101.0	475.8	113.2	471.8	126.9	468.3	142.4
	15	70	533.1	101.5	528.1	113.7	523.0	127.4	517.7	142.8
47.4	-5	90	376.8	106.3	377.2	119.3	378.6	134.2	*	*
	0	90	422.8	106.8	421.5	119.7	420.9	134.4	420.9	151.0
	5	**80**	465.9	107.3	463.0	120.1	**460.5**	**134.7**	458.6	151.2
	7	70	481.4	107.5	477.9	120.3	474.9	134.9	472.2	151.3
	10	70	513.7	107.9	508.7	120.7	502.9	135.2	498.3	151.6
	15	70	571.6	108.6	565.2	121.4	558.4	135.9	551.2	152.2
50.6	-5	90	411.6	116.7	411.8	130.6	412.9	145.7	*	*
	0	90	464.1	118.1	462.7	131.3	461.7	146.2	461.1	162.9
	5	**80**	512.9	119.0	509.8	132.0	**507.0**	**146.8**	504.8	163.4
	7	70	530.5	119.3	526.9	132.3	523.5	147.1	520.2	163.6
	10	70	566.9	119.9	560.4	132.9	555.0	147.6	550.3	164.0
	15	70	633.5	121.2	626.2	134.1	618.9	148.7	609.4	165.0
57.6	-5	90	461.6	132.1	462.6	147.6	464.8	165.1	*	*
	0	90	520.4	132.7	519.3	147.8	518.9	164.9	519.1	184.1
	5	**80**	575.4	133.4	572.1	148.3	**569.5**	**165.2**	567.6	184.1
	7	70	595.2	133.8	591.3	148.6	588.0	165.3	584.9	184.2
	10	70	636.2	134.5	629.5	149.1	623.3	165.8	618.5	184.6
	15	70	711.2	136.0	703.1	150.5	694.8	167.0	685.3	185.6
64.6	-5	90	529.1	150.0	530.2	168.5	532.5	189.5	*	*
	0	90	594.2	150.6	593.1	169.1	593.0	190.0	593.4	213.5
	5	**80**	655.0	151.2	651.7	169.6	**649.0**	**190.4**	647.1	213.9
	7	70	676.8	151.4	672.8	169.8	669.4	190.6	666.4	214.0
	10	70	722.2	151.8	715.8	170.2	708.5	191.0	703.4	214.3
	15	70	804.2	152.6	795.9	170.9	787.1	191.7	777.5	215.0
70.6	-5	90	585.0	164.4	585.8	184.5	*	*	*	*
	0	90	656.1	165.2	654.2	185.2	653.5	207.9	653.5	233.7
	5	**80**	722.9	166.1	718.4	185.9	**714.6**	**208.5**	711.7	234.1
	7	70	746.8	166.4	741.5	186.2	736.8	208.8	732.7	234.3
	10	70	796.8	167.1	789.2	186.8	779.8	209.3	773.0	234.7
	15	70	886.5	168.2	876.6	188.0	865.8	210.5	854.2	235.7

Pt: Heat power [kW]
Pa: Total absorbed power (compressor + fan) [kW]
Ta: Dry bulb temperature of the evaporator inlet air [°C]
RH: Relative humidity of the input air at the evaporator [%]

TETRIS 2A SOUND LEVELS

MODEL	Octave bands [dB]														TOTAL [dB(A)]	
	63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz		8000 Hz			
	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp
11.2	55	23	55	23	66	34	74	42	75	43	84	52	75	43	64	32	86	54
17.2	56	24	55	23	73	41	82	50	85	53	81	49	77	45	71	39	88	56
23.2	57	25	56	24	74	42	83	51	86	54	82	50	77	45	72	40	89	57
28.4	58	26	57	25	74	42	83	51	86	54	85	53	79	47	72	40	90	58
34.4	59	27	58	26	76	44	85	53	88	56	84	52	80	48	74	42	91	59
38.4	59	27	58	25	76	44	85	53	88	56	85	52	80	47	74	41	91	59
43.4	60	28	59	26	74	42	84	52	87	55	85	53	80	48	76	43	91	58
47.4	60	28	59	27	77	44	86	53	89	56	85	53	80	48	75	42	92	59
50.6	61	28	59	27	78	45	87	54	90	57	86	54	81	49	76	43	93	60
57.6	61	29	60	27	78	45	87	54	90	58	86	54	81	49	76	43	93	61
64.6	62	30	61	29	77	44	87	54	90	57	87	55	82	50	78	45	93	61
70.6	62	30	61	28	78	46	87	55	90	58	87	54	82	49	76	44	93	61

TETRIS 2A LN SOUND LEVELS

MODEL	Octave bands [dB]														TOTAL [dB(A)]	
	63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz		8000 Hz			
	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp
11.2	52	20	52	20	63	31	71	39	72	40	80	48	71	39	61	29	82	50
17.2	53	21	52	20	70	38	78	46	81	49	78	46	73	41	67	35	84	52
23.2	55	23	54	22	70	38	79	47	82	50	78	46	74	42	68	36	85	53
28.4	55	23	55	23	71	39	79	47	82	50	81	49	75	43	68	36	86	54
34.4	56	24	55	23	73	41	81	49	84	52	81	49	76	44	70	38	87	55
38.4	56	24	55	23	73	40	81	49	84	52	81	48	76	43	70	38	87	55
43.4	57	25	56	24	71	38	80	48	83	51	81	49	76	44	72	40	87	54
47.4	58	25	57	24	73	41	82	49	85	52	81	49	77	44	71	39	88	55
50.6	58	26	57	24	74	42	83	50	86	53	82	50	78	45	72	40	89	57
57.6	58	26	57	25	74	42	83	50	86	53	82	50	78	45	72	40	89	57
64.6	59	27	58	26	73	41	83	50	85	53	83	51	79	46	74	42	89	57
70.6	59	27	58	26	75	42	83	51	86	54	83	50	78	46	73	40	89	57

TETRIS 2 SLN SOUND LEVELS

MODEL	Octave bands [dB]														TOTAL [dB(A)]	
	63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz		8000 Hz			
	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp	Lw	Lp
11.2	50	18	50	18	61	29	68	36	69	37	77	45	69	37	59	27	79	47
17.2	52	20	51	19	68	36	76	44	79	47	76	44	71	39	66	34	82	50
23.2	53	21	52	20	68	36	76	44	79	47	76	44	71	39	66	34	82	50
28.4	54	22	53	21	69	37	77	45	80	48	79	47	73	41	67	35	84	52
34.4	55	23	54	22	71	39	79	47	82	50	79	47	74	42	69	37	85	53
38.4	55	22	54	21	71	38	79	46	82	49	78	46	74	41	69	36	85	53
43.4	56	23	55	22	69	37	78	46	81	49	79	47	74	42	70	38	85	52
47.4	56	23	55	22	71	39	79	47	82	50	79	46	74	42	69	36	85	53
50.6	57	24	55	23	73	40	81	48	84	51	80	48	76	43	70	38	87	55
57.6	57	24	56	23	72	40	81	48	84	51	80	48	76	43	70	38	87	54
64.6	58	25	57	24	71	38	80	48	83	50	81	48	76	44	72	39	87	54
70.6	58	25	56	24	73	40	81	48	84	51	80	48	76	43	71	38	87	55

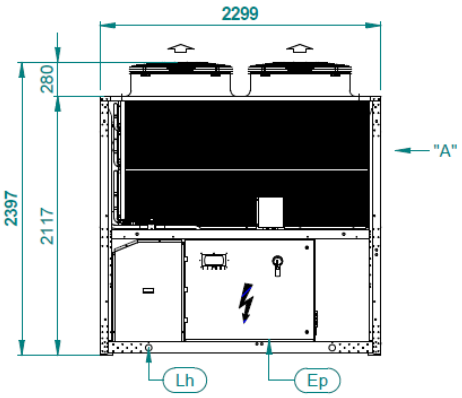
Ssound power values in free field calculated in compliance with ISO 3744.
Sound pressure levels detected at 1 m from the unit, in free field, in compliance with the ISO 3744 Standard.

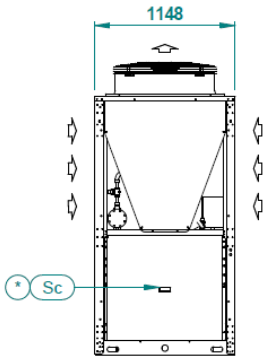
DIMENSIONAL DRAWING

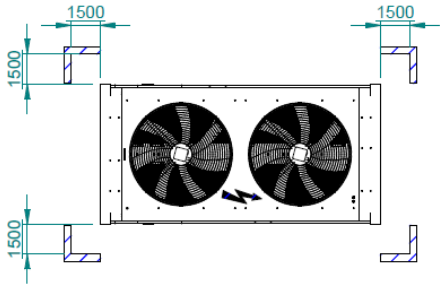
Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 11.2

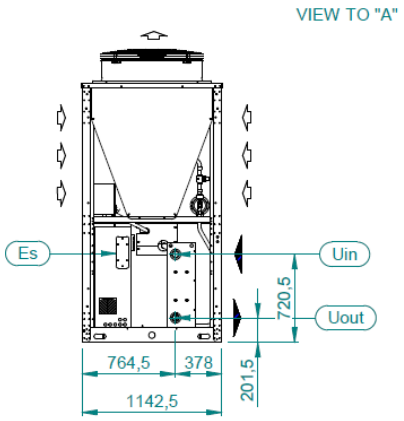
A4E733 - A

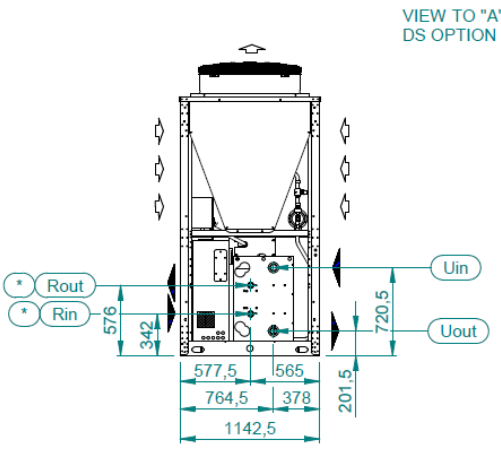
CH-HP-LN-DS





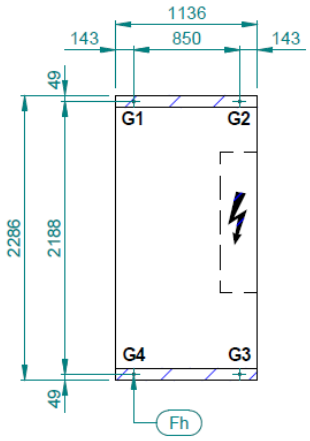






CONNECTIONS	
Uin	OD 60.3
Uout	OD 60.3
Rin	G 1"1/4 M
Rout	G 1"1/4 M

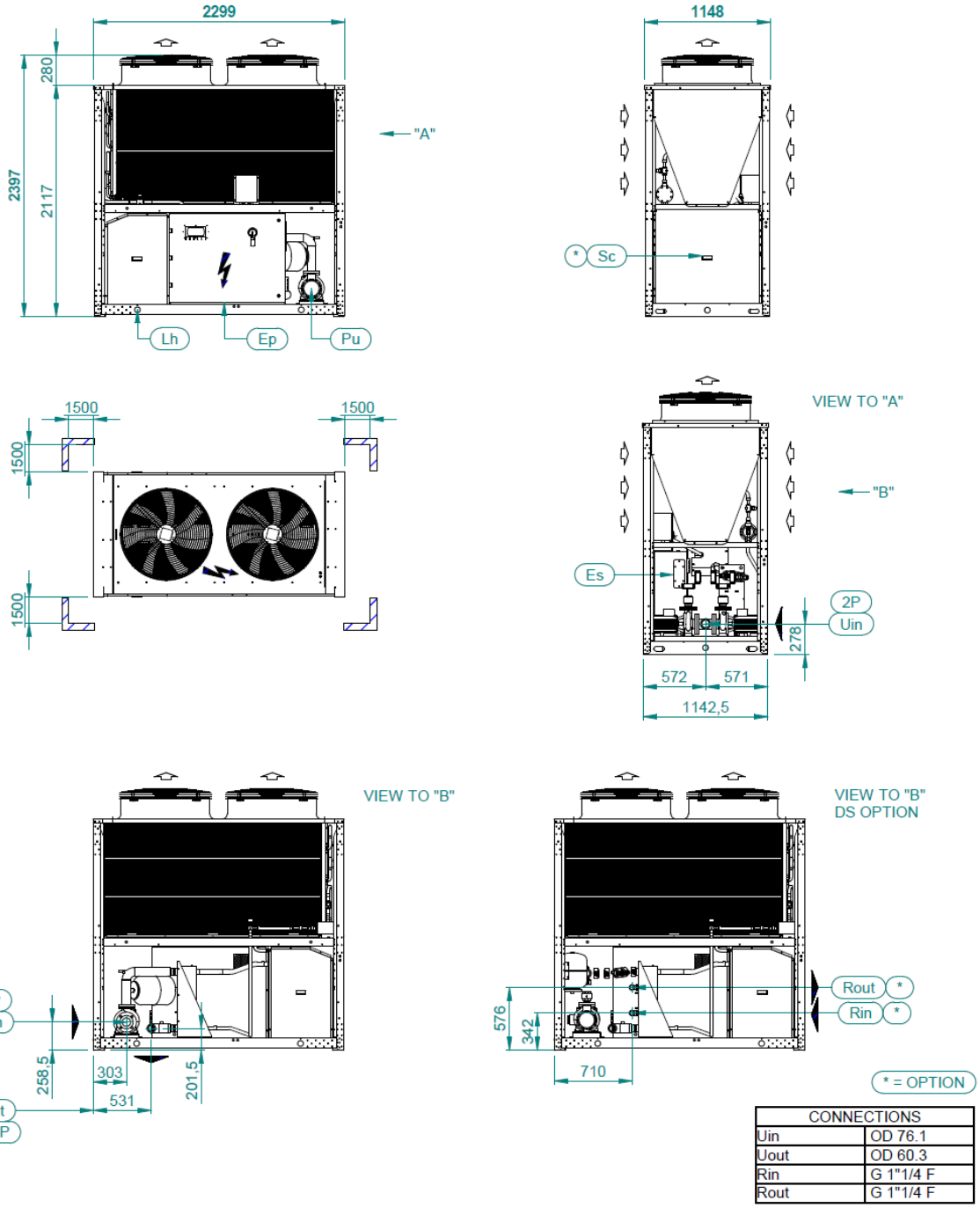
* = OPTION



MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 11.2 CH	811	818	143	156	271	248
TETRIS 2 A 11.2 CH_LN	892	899	150	162	305	282
TETRIS 2 A 11.2 HP	932	939	175	182	297	285
TETRIS 2 A 11.2 HP_LN	1010	1017	181	187	330	319
TETRIS 2 A 11.2 CH_DS	827	835	148	161	274	252
TETRIS 2 A 11.2 CH_DS_LN	906	914	155	166	307	286
TETRIS 2 A 11.2 HP_DS	947	955	180	187	299	289
TETRIS 2 A 11.2 HP_DS_LN	1027	1035	187	192	333	323
TETRIS 2 SLN 11.2 CH_LN	892	899	150	162	305	282
TETRIS 2 SLN 11.2 HP_LN	1010	1017	181	187	330	319
TETRIS 2 SLN 11.2 CH_DS_LN	906	914	155	166	307	286
TETRIS 2 SLN 11.2 HP_DS_LN	1027	1035	187	192	333	323

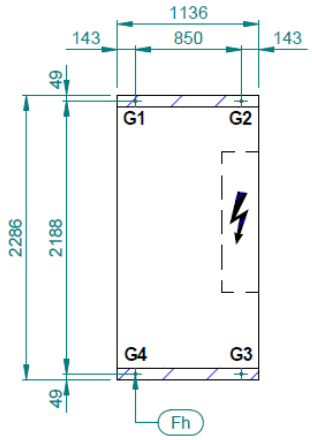
Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 11.2
CH-HP-LN-DS 1P-2P

A4E734 - A



CONNECTIONS	
Uin	OD 76.1
Uout	OD 60.3
Rin	G 1"1/4 F
Rout	G 1"1/4 F

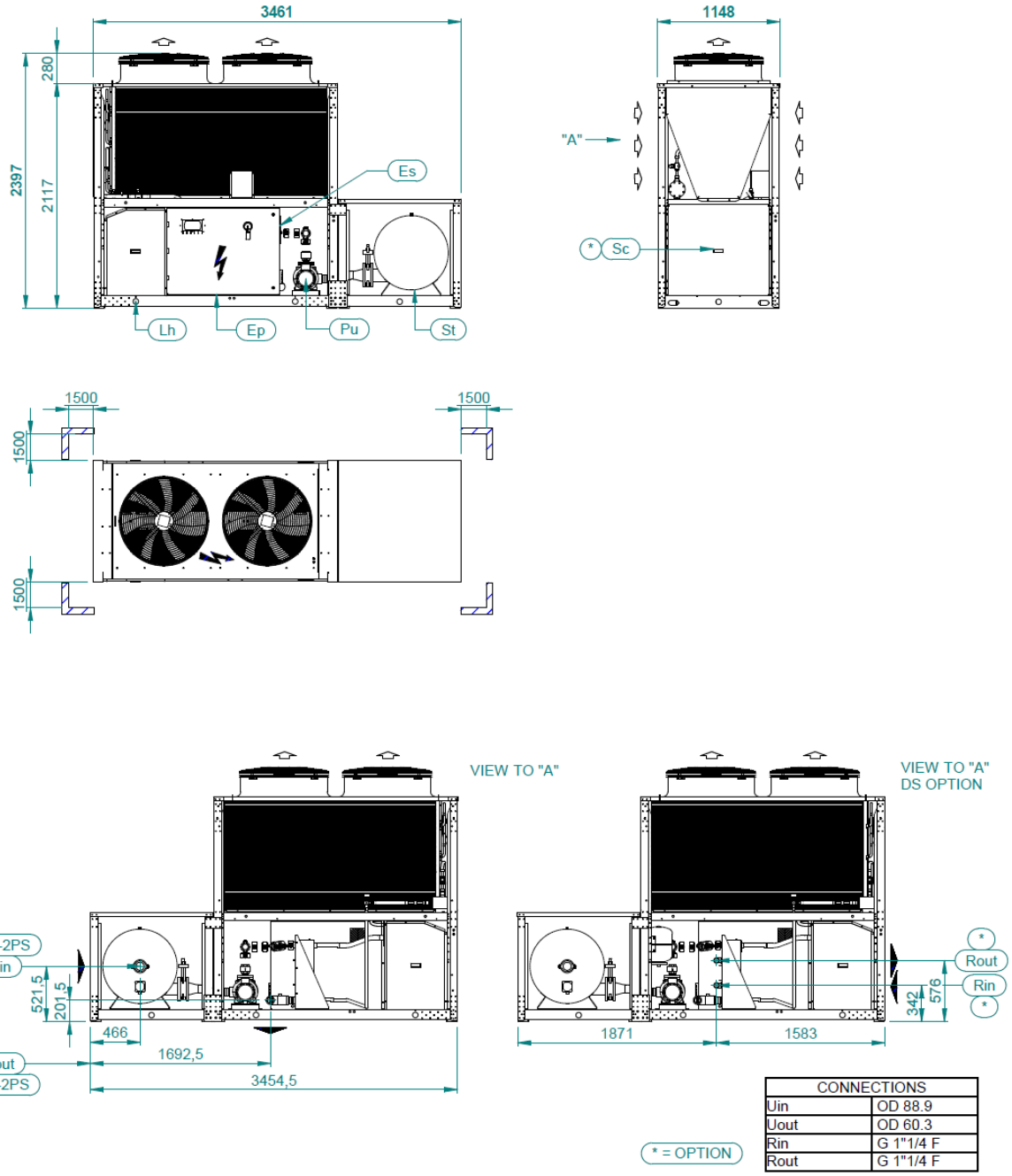
Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 11.2
CH-HP-LN-DS 1P-2P



MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 11.2 CH_1P-2P	941	948	200	215	276	257
TETRIS 2 A 11.2 CH_1P-2P_LN	1022	1029	207	220	310	292
TETRIS 2 A 11.2 HP_1P-2P	1061	1068	232	239	303	294
TETRIS 2 A 11.2 HP_1P-2P_LN	1141	1148	239	245	336	328
TETRIS 2 A 11.2 CH_1P-2P_DS	956	964	205	219	279	261
TETRIS 2 A 11.2 CH_1P-2P_DS_LN	1037	1045	212	225	313	295
TETRIS 2 A 11.2 HP_1P-2P_DS	1077	1085	238	244	305	298
TETRIS 2 A 11.2 HP_1P-2P_DS_LN	1158	1166	245	250	339	332
TETRIS 2 SLN 11.2 CH_1P-2P_LN	1022	1029	207	220	310	292
TETRIS 2 SLN 11.2 HP_1P-2P_LN	1141	1148	239	245	336	328
TETRIS 2 SLN 11.2 CH_1P-2P_DS_LN	1037	1045	212	225	313	295
TETRIS 2 SLN 11.2 HP_1P-2P_DS_LN	1158	1166	245	250	339	332

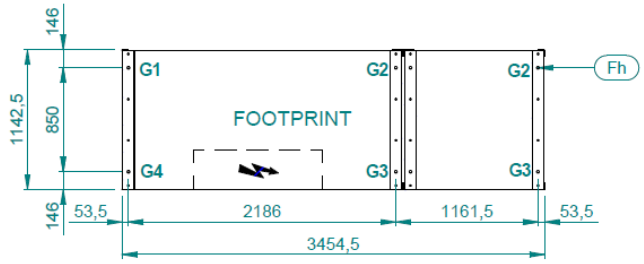
Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 11.2
CH-HP-LN-DS 1PS-2PS

A4E735 - A



CONNECTIONS	
Uin	OD 88.9
Uout	OD 60.3
Rin	G 1"1/4 F
Rout	G 1"1/4 F

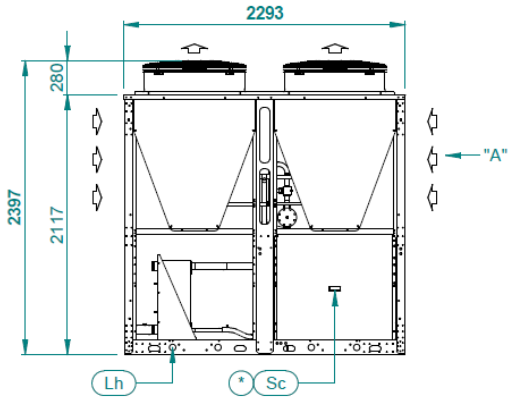
* = OPTION

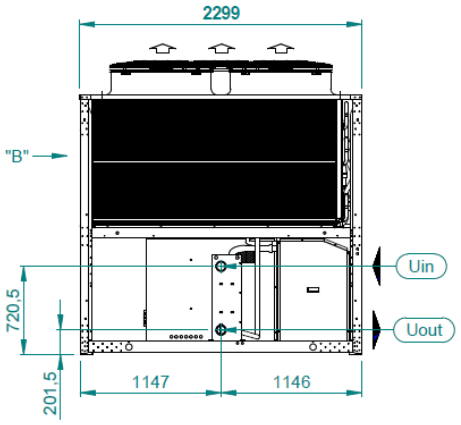


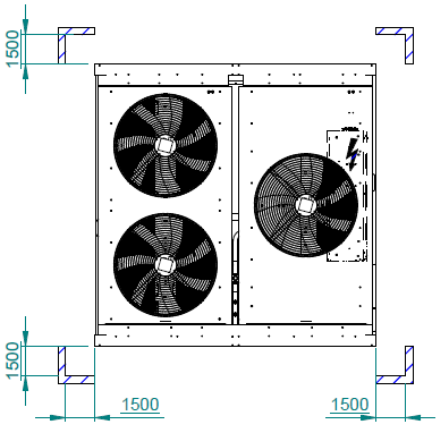
MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 11.2 CH_1PS-2PS	1021	1358	296	189	192	300
TETRIS 2 A 11.2 CH_1PS-2PS_LN	1103	1440	330	192	195	336
TETRIS 2 A 11.2 HP_1PS-2PS	1142	1479	336	202	202	335
TETRIS 2 A 11.2 HP_1PS-2PS_LN	1222	1559	371	205	204	370
TETRIS 2 A 11.2 CH_1PS-2PS_DS	1039	1377	300	191	195	305
TETRIS 2 A 11.2 CH_1PS-2PS_DS_LN	1117	1455	336	194	196	339
TETRIS 2 A 11.2 HP_1PS-2PS_DS	1158	1496	340	204	204	340
TETRIS 2 A 11.2 HP_1PS-2PS_DS_LN	1239	1577	386	210	201	369
TETRIS 2 SLN 11.2 CH_1PS-2PS_LN	1103	1440	330	192	195	336
TETRIS 2 SLN 11.2 HP_1PS-2PS_LN	1222	1559	371	205	204	370
TETRIS 2 SLN 11.2 CH_1PS-2PS_DS_LN	1117	1455	334	193	197	341
TETRIS 2 SLN 11.2 HP_1PS-2PS_DS_LN	1240	1578	375	207	207	375

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 17.2
CH-HP-LN-DS

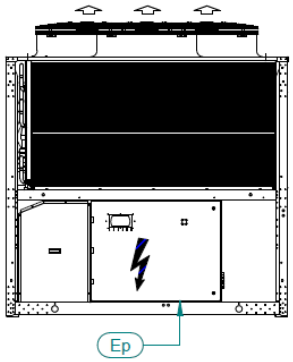
A4E736 - A



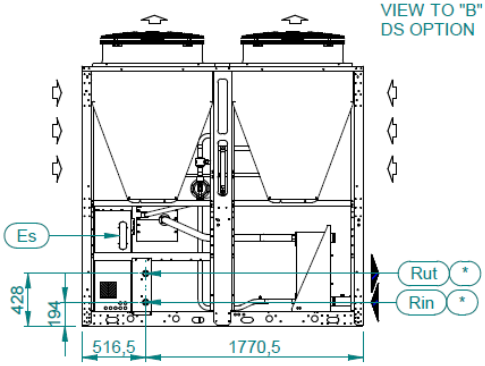




VIEW TO "A"



VIEW TO "B"
DS OPTION

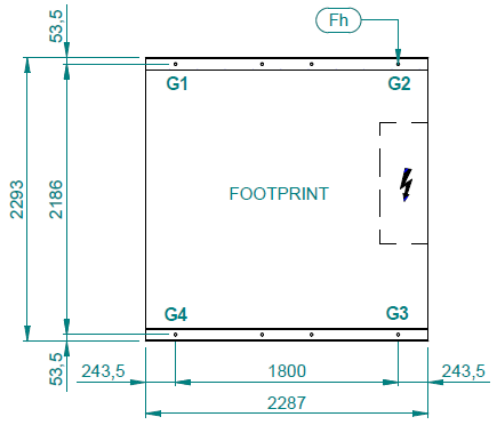


CONNECTIONS	
Uin	OD 76.1
Uout	OD 76.1
Rin	G 1"1/4 M
Rout	G 1"1/4 M

* = OPTION

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 17.2 CH-HP-LN-DS

A4E736 - A

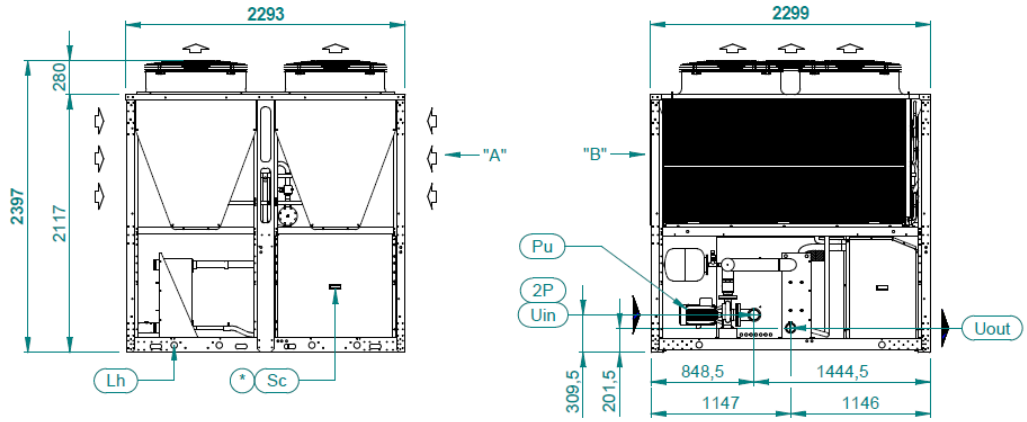


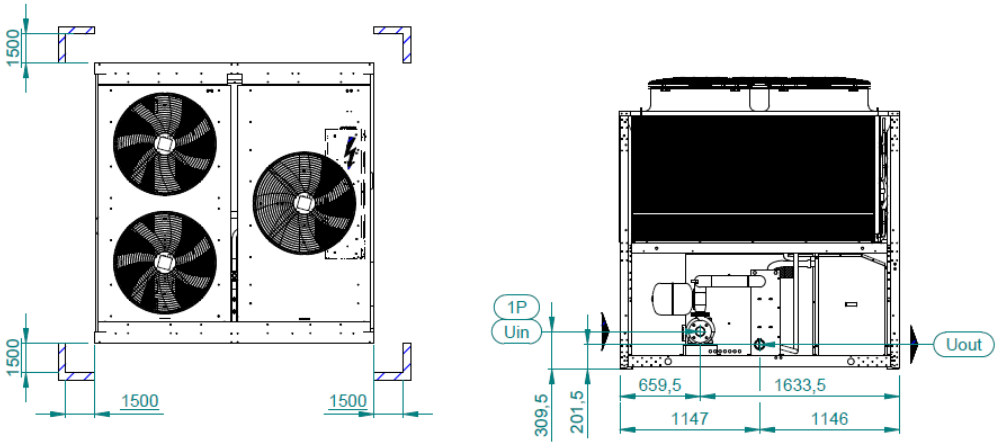
MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 17.2 CH	1168	1180	195	255	414	316
TETRIS 2 A 17.2 CH_LN	1247	1259	193	270	465	331
TETRIS 2 A 17.2 HP	1394	1406	239	294	482	391
TETRIS 2 A 17.2 HP_LN	1474	1486	236	309	533	408
TETRIS 2 A 17.2 CH_DS	1189,4	1203	198	268	424	313
TETRIS 2 A 17.2 CH_DS_LN	1269,4	1283	200	286	469	328
TETRIS 2 A 17.2 HP_DS	1416,4	1430	247	309	486	388
TETRIS 2 A 17.2 HP_DS_LN	1495,4	1509	244	324	537	404
TETRIS 2 SLN 17.2 CH_LN	1247	1259	193	270	465	331
TETRIS 2 SLN 17.2 HP_LN	1474	1486	236	309	533	408
TETRIS 2 SLN 17.2 CH_DS_LN	1269,4	1283	200	286	469	328
TETRIS 2 SLN 17.2 HP_DS_LN	1495,4	1509	244	324	537	404

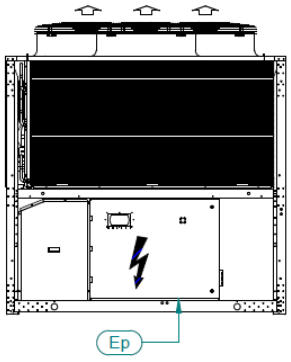
Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 17.2

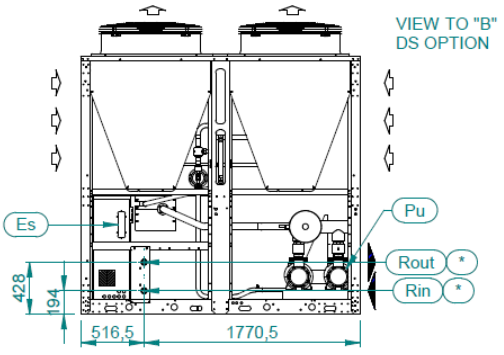
CH-HP-LN-DS 1P-2P

A4E737 - A







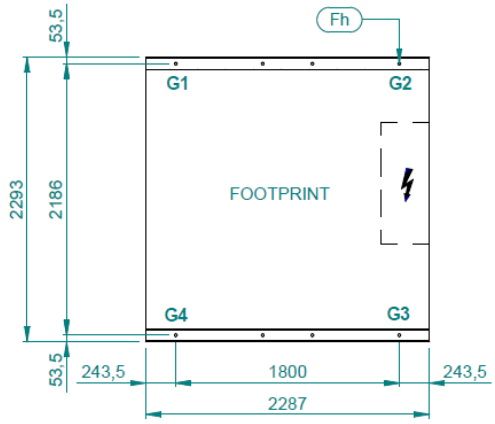


CONNECTIONS	
Uin 1P	OD 76.1
Uin 2P	OD 88.9
Uout 1P-2P	OD 76.1
Rin	G 1"1/4 M
Rout	G 1"1/4 M

* = OPTION

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 17.2
CH-HP-LN-DS 1P-2P

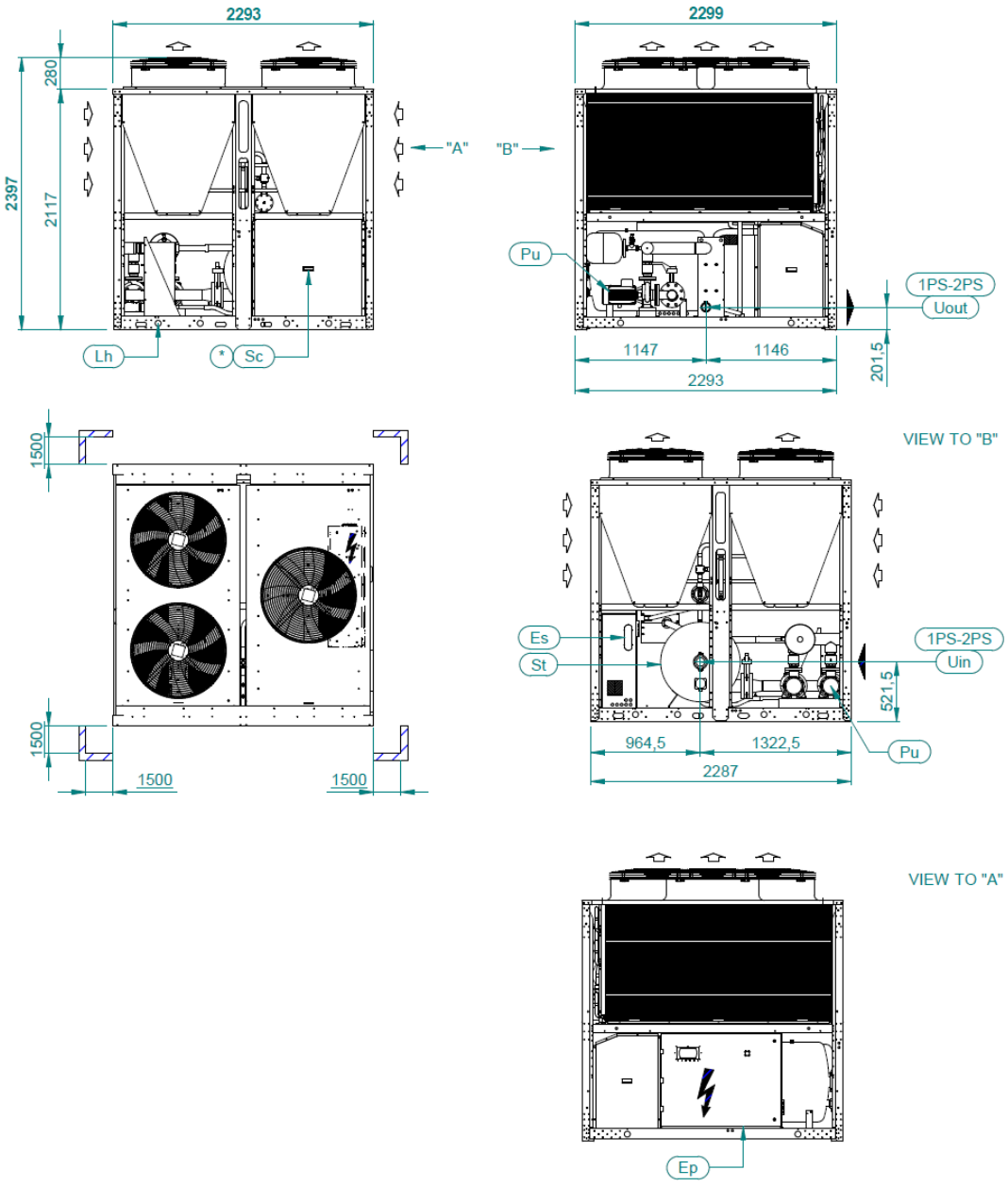
A4E737 - A



MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 17.2 CH_1P-2P	1294	1306	262	281	395	368
TETRIS 2 A 17.2 CH_1P-2P_LN	1373	1385	258	297	445	385
TETRIS 2 A 17.2 HP_1P-2P	1520	1532	306	319	463	444
TETRIS 2 A 17.2 HP_1P-2P_LN	1600	1612	302	336	513	461
TETRIS 2 A 17.2 CH_1P-2P_DS	1315	1329	265	294	405	365
TETRIS 2 A 17.2 CH_1P-2P_DS_LN	1395	1409	266	312	449	382
TETRIS 2 A 17.2 HP_1P-2P_DS	1541	1555	314	334	468	439
TETRIS 2 A 17.2 HP_1P-2P_DS_LN	1621	1635	310	351	517	457
TETRIS 2 SLN 17.2 CH_1P-2P_LN	1373	1385	258	297	445	385
TETRIS 2 SLN 17.2 HP_1P-2P_LN	1600	1612	302	336	513	461
TETRIS 2 SLN 17.2 CH_1P-2P_DS_LN	1395	1409	266	312	449	382
TETRIS 2 SLN 17.2 HP_1P-2P_DS_LN	1621	1635	310	351	517	457

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 17.2
CH-HP-LN 1PS-2PS

A4E738 - A

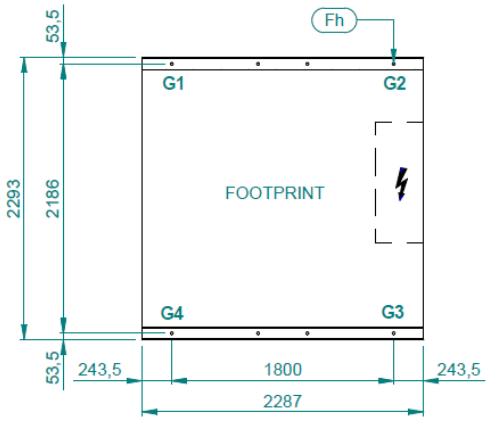


CONNECTIONS	
Uin 1PS-2PS	OD 88.9
Uout 1PS-2PS	OD 76.1

* = OPTION

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 17.2 CH-HP-LN 1PS-2PS

A4E738 - A

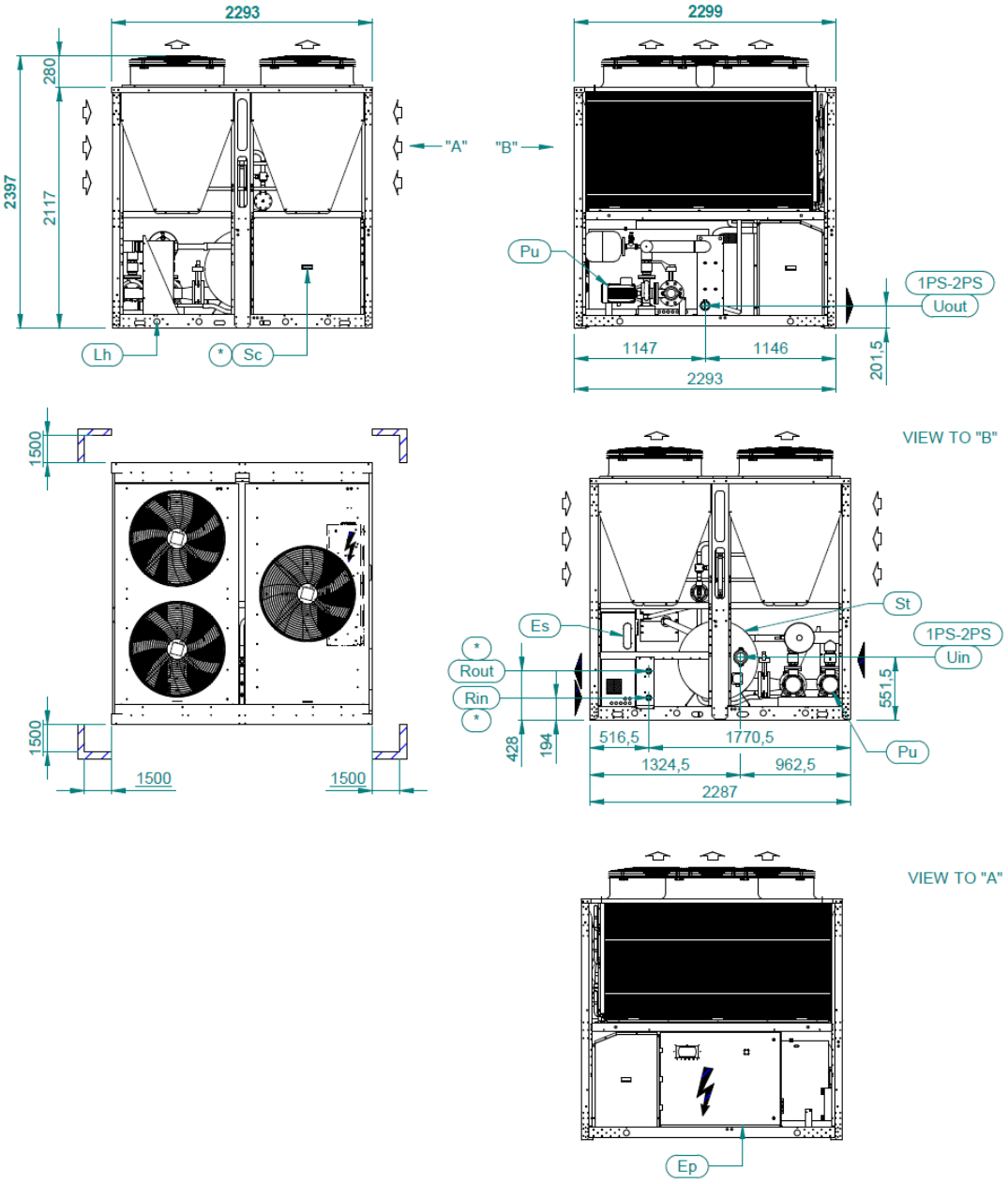


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 17.2 CH_1PS-2PS	1373	1715	391	452	468	404
TETRIS 2 A 17.2 CH_1PS-2PS_LN	1453	1795	386	470	516	423
TETRIS 2 A 17.2 HP_1PS-2PS	1600	1942	436	490	537	479
TETRIS 2 A 17.2 HP_1PS-2PS_LN	1681	2023	431	508	586	498
TETRIS 2 SLN 17.2 CH_1PS-2PS_LN	1452	1794	380	468	522	424
TETRIS 2 SLN 17.2 HP_1PS-2PS_LN	1681	2023	431	508	586	498

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 17.2

CH-HP-LN-DS 1PS-2PS

A4E739 - A

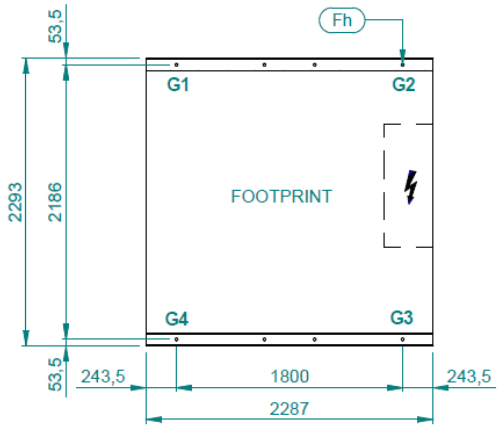


CONNECTIONS	
Uin 1PS-2PS	OD 88.9
Uout 1PS-2PS	OD 76.1
Rin	G 1"1/4 M
Rout	G 1"1/4 M

* = OPTION

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 17.2
CH-HP-LN-DS 1PS-2PS

A4E739 - A

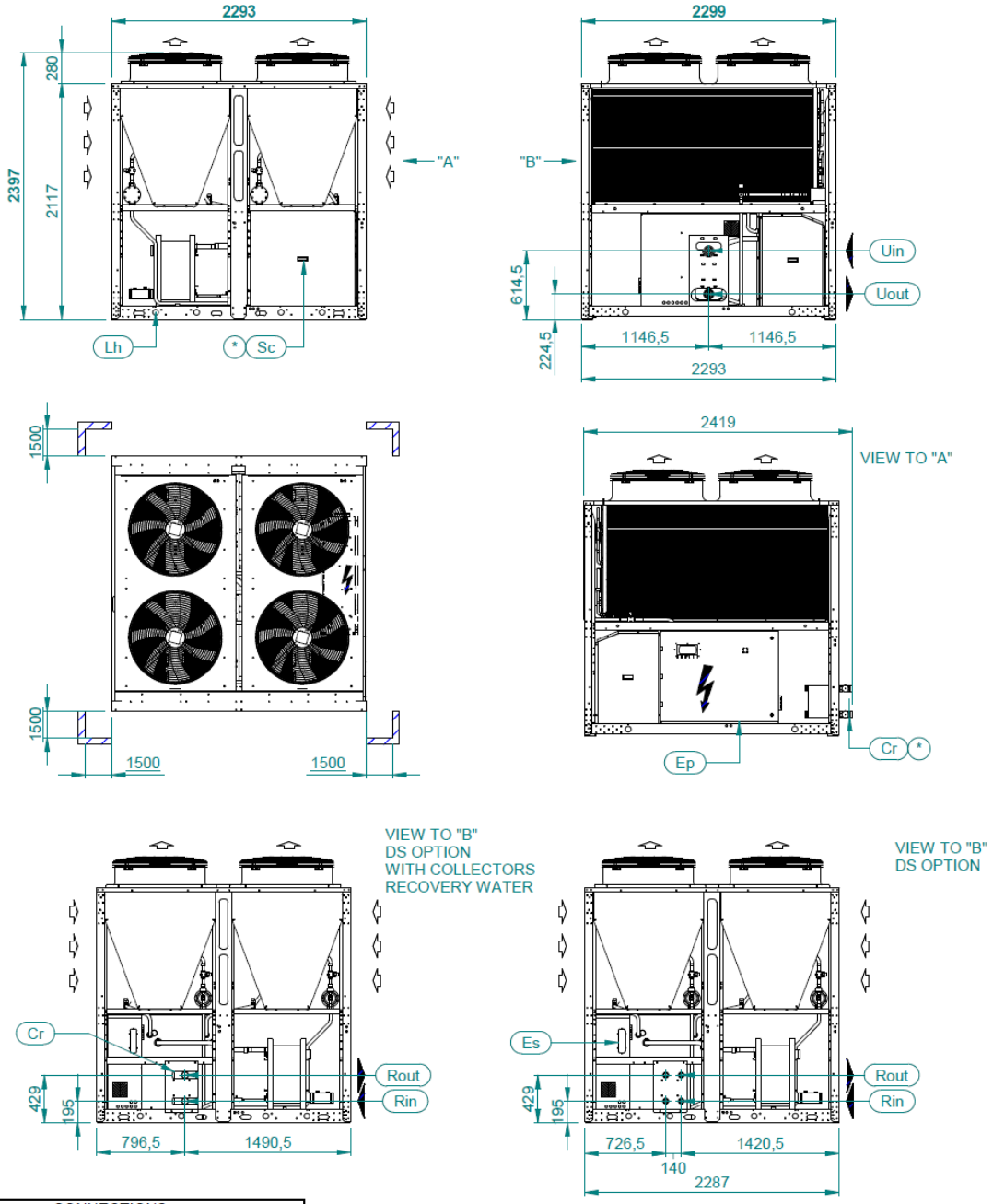


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 17.2 CH_1PS-2PS_DS	1394	1738	398	468	471	401
TETRIS 2 A 17.2 CH_1PS-2PS_DS_LN	1475	1819	393	486	520	420
TETRIS 2 A 17.2 HP_1PS-2PS_DS	1621	1965	444	505	541	475
TETRIS 2 A 17.2 HP_1PS-2PS_DS_LN	1702	2046	439	523	590	494
TETRIS 2 SLN 17.2 CH_1PS-2PS_DS_LN	1475	1819	388	484	526	421
TETRIS 2 SLN 17.2 HP_1PS-2PS_DS_LN	1702	2046	439	523	590	494

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 23.2

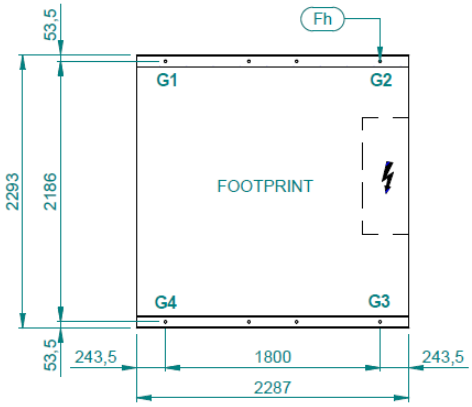
A4E740 - A

CH-HP-LN-DS



CONNECTIONS		
Uin	OD 88.9	
Uout	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

* = OPTION

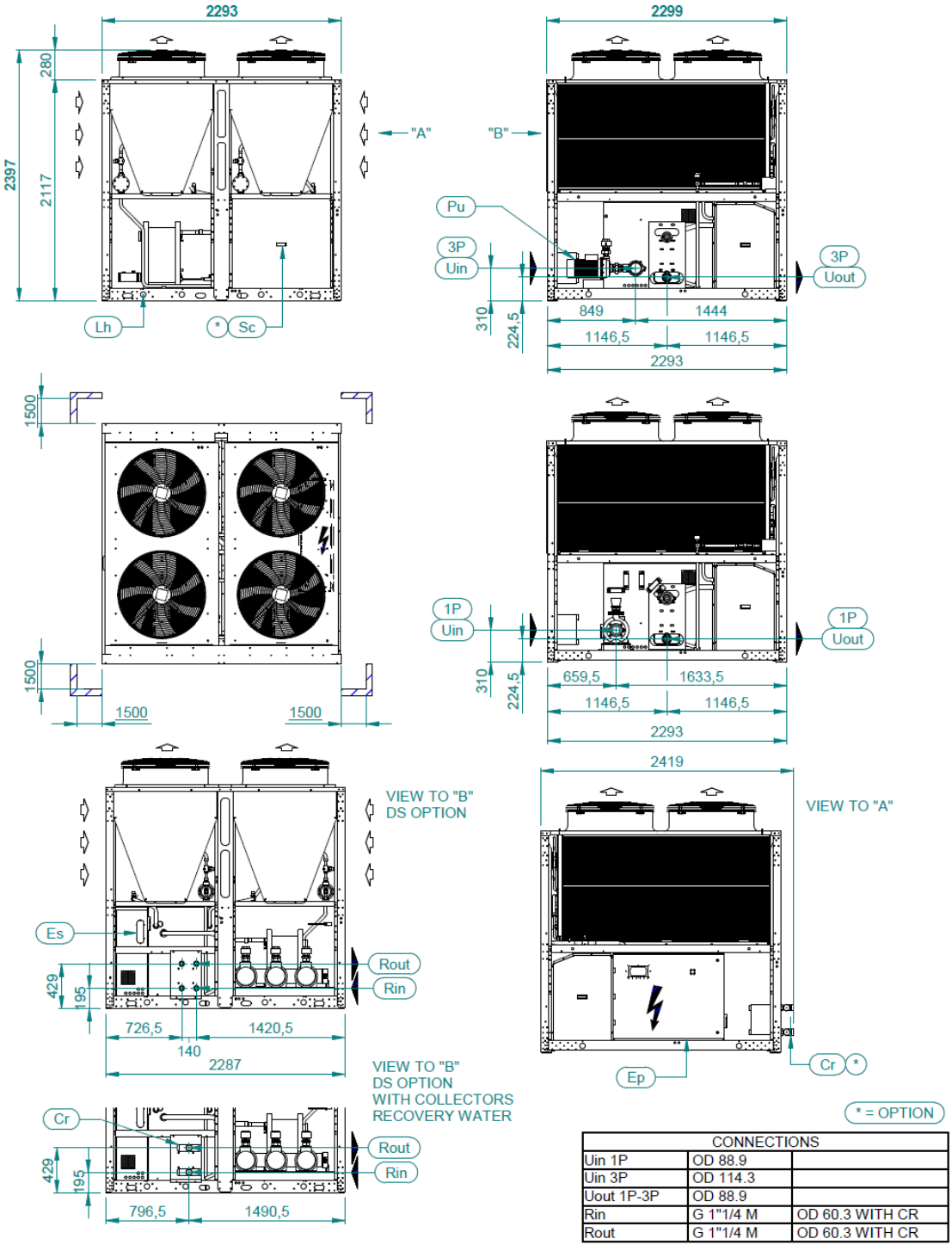


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 23.2 CH	1256	1274	206	281	454	333
TETRIS 2 A 23.2 CH_LN	1337	1355	204	296	506	349
TETRIS 2 A 23.2 HP	1489	1507	257	324	516	410
TETRIS 2 A 23.2 HP_LN	1569	1587	255	339	567	426
TETRIS 2 A 23.2 CH_DS	1282	1303	217	298	456	332
TETRIS 2 A 23.2 CH_DS_LN	1362	1383	214	313	508	348
TETRIS 2 A 23.2 HP_DS	1514	1535	268	341	518	408
TETRIS 2 A 23.2 HP_DS_LN	1594	1615	265	356	570	424
TETRIS 2 SLN 23.2 CH_LN	1337	1355	204	296	506	349
TETRIS 2 SLN 23.2 HP_LN	1569	1587	255	339	567	426
TETRIS 2 SLN 23.2 CH_DS_LN	1362	1383	214	313	508	348
TETRIS 2 SLN 23.2 HP_DS_LN	1594	1615	265	356	570	424

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 23.2

CH-HP-LN-DS 1P-3P

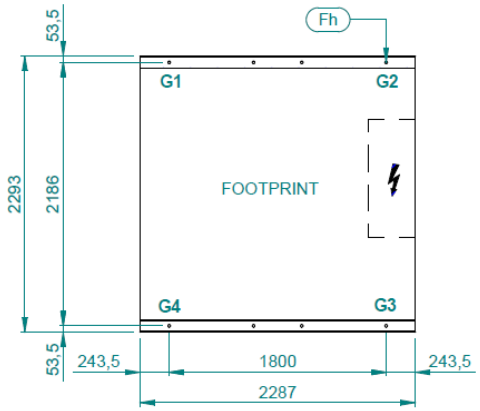
A4E741 - A



CONNECTIONS		
Uin 1P	OD 88.9	
Uin 3P	OD 114.3	
Uout 1P-3P	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 23.2
CH-HP-LN-DS 1PS-2PS

A4E741 - A

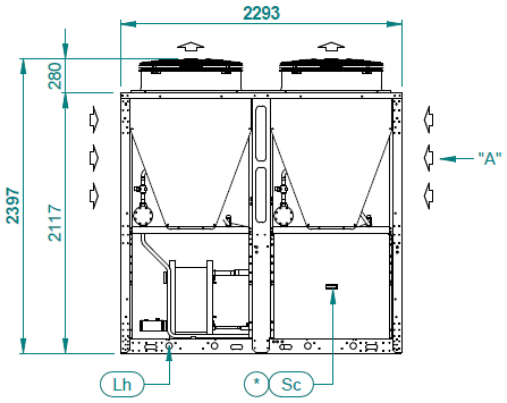


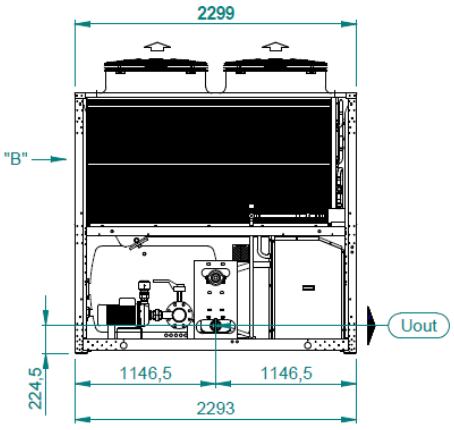
MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 23.2 CH_1P-3P	1357	1395	262	316	447	370
TETRIS 2 A 23.2 CH_1P-3P_LN	1436	1474	258	332	497	387
TETRIS 2 A 23.2 HP_1P-3P	1589	1627	314	358	509	446
TETRIS 2 A 23.2 HP_1P-3P_LN	1669	1707	310	374	560	463
TETRIS 2 A 23.2 CH_1P-3P_DS	1383	1424	273	333	450	368
TETRIS 2 A 23.2 CH_1P-3P_DS_LN	1463	1504	269	349	500	386
TETRIS 2 A 23.2 HP_1P-3P_DS	1614	1655	324	375	512	444
TETRIS 2 A 23.2 HP_1P-3P_DS_LN	1694	1735	321	391	562	461
TETRIS 2 SLN 23.2 CH_1P-3P_LN	1436	1474	258	332	497	387
TETRIS 2 SLN 23.2 HP_1P-3P_LN	1669	1707	310	374	560	463
TETRIS 2 SLN 23.2 CH_1P-3P_DS_LN	1463	1504	269	349	500	386
TETRIS 2 SLN 23.2 HP_1P-3P_DS_LN	1694	1735	321	391	562	461

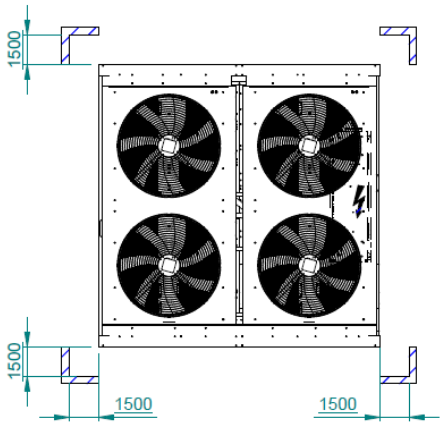
Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 23.2

CH-HP-LN 1PS-3PS

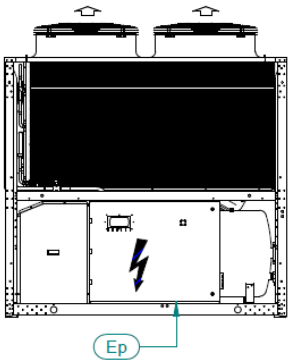
A4E743 - A



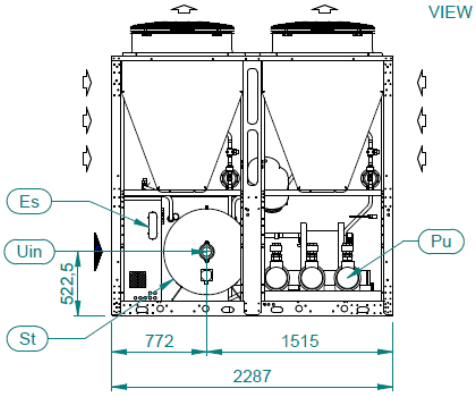




VIEW TO "A"



VIEW TO "B"

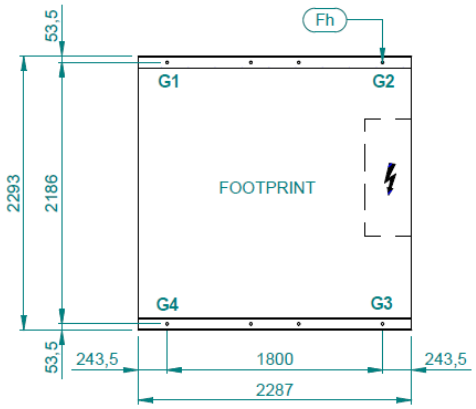


CONNECTIONS	
Uin	OD 88.9
Uout	OD 88.9

* = OPTION

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 23.2 CH-HP-LN 1PS-3PS

A4E743 - A

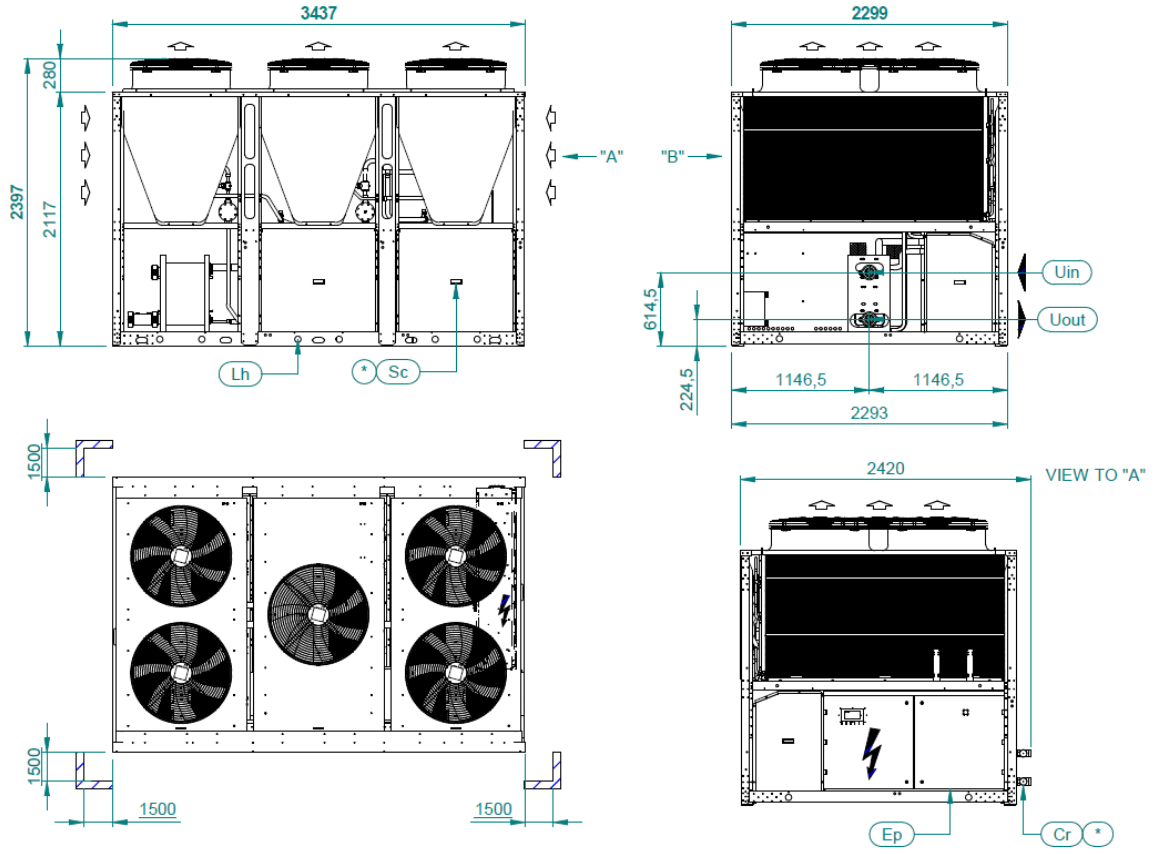


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 23.2 CH_1PS-3PS	1438	1806	367	512	540	387
TETRIS 2 A 23.2 CH_1PS-3PS_LN	1517	1885	363	528	590	404
TETRIS 2 A 23.2 HP_1PS-3PS	1668	2036	420	552	604	460
TETRIS 2 A 23.2 HP_1PS-3PS_LN	1749	2117	416	569	654	478
TETRIS 2 SLN 23.2 CH_1PS-3PS_LN	1517	1885	363	528	590	404
TETRIS 2 SLN 23.2 HP_1PS-3PS_LN	1749	2117	416	569	654	478

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 28.4

A4E745 - A

CH-HP-LN-DS

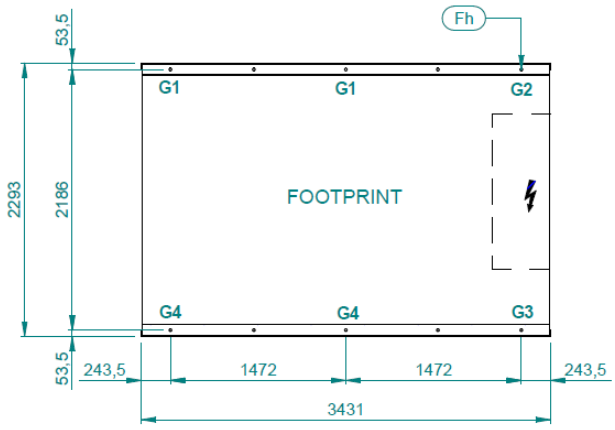


CONNECTIONS		
Uin	OD 88.9	
Uout	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

* = OPTION

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 28.4 CH-HP-LN-DS

A4E745 - A

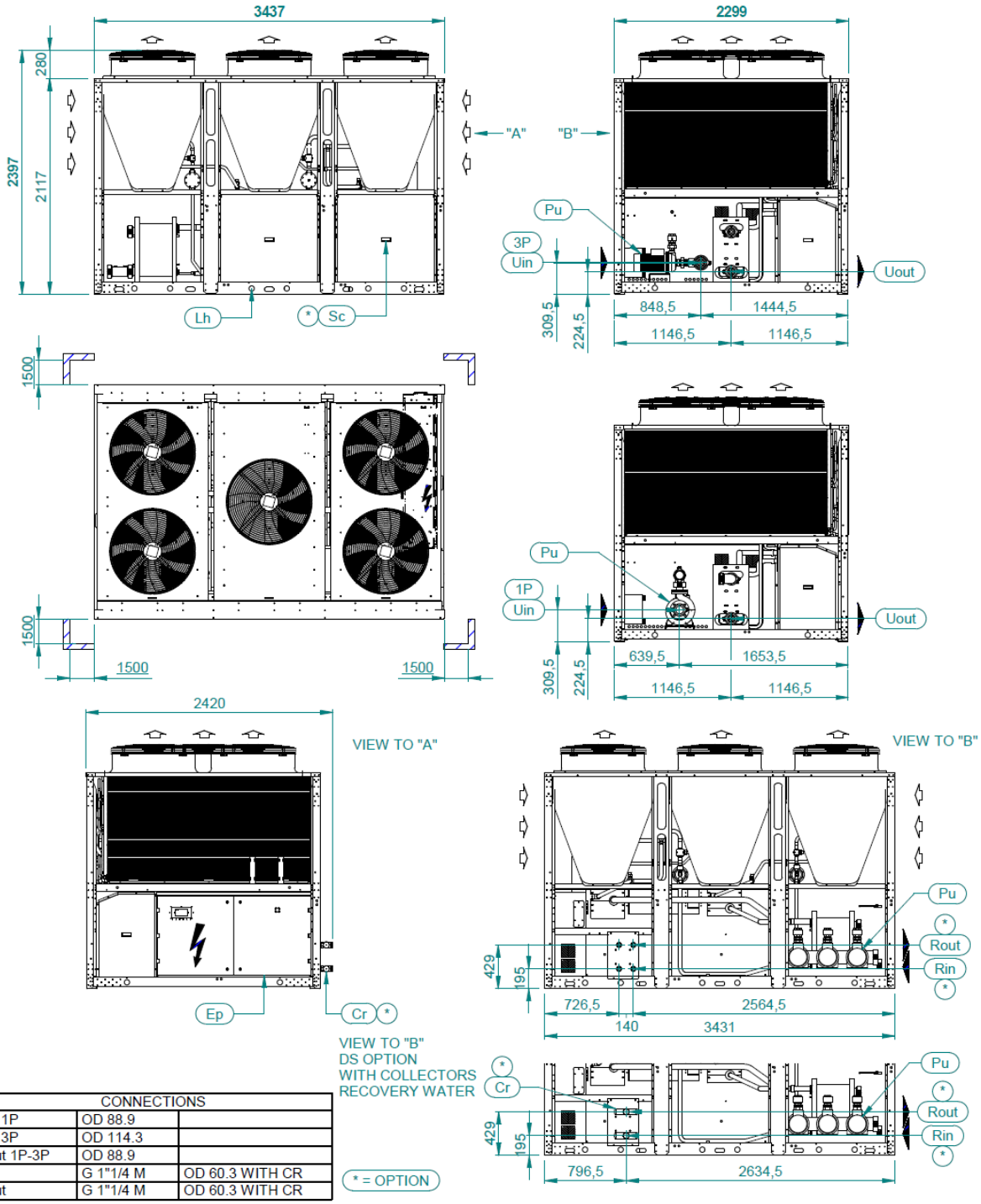


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 28.4 CH	1951	1972	200	338	566	334
TETRIS 2 A 28.4 CH_LN	2112	2133	203	357	642	364
TETRIS 2 A 28.4 HP	2259	2280	250	374	602	402
TETRIS 2 A 28.4 HP_LN	2419	2440	252	394	676	433
TETRIS 2 A 28.4 CH_DS	1981	2004	205	354	574	333
TETRIS 2 A 28.4 CH_DS_LN	2141	2164	208	373	649	363
TETRIS 2 A 28.4 HP_DS	2288	2311	256	389	610	400
TETRIS 2 A 28.4 HP_DS_LN	2449	2472	258	410	684	431
TETRIS 2 SLN 28.4 CH_LN	2112	2133	203	357	642	364
TETRIS 2 SLN 28.4 HP_LN	2419	2440	252	394	676	433
TETRIS 2 SLN 28.4 CH_DS_LN	2141	2164	208	373	649	363
TETRIS 2 SLN 28.4 HP_DS_LN	2449	2472	258	410	684	431

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 28.4

CH-HP-LN-DS 1P-3P

A4E746 - A

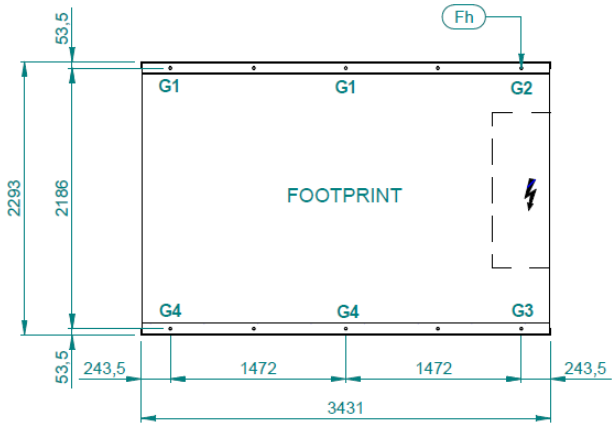


CONNECTIONS		
Uin 1P	OD 88.9	
Uin 3P	OD 114.3	
Uout 1P-3P	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

* = OPTION

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 28.4
CH-HP-LN-DS 1P-3P

A4E746 - A

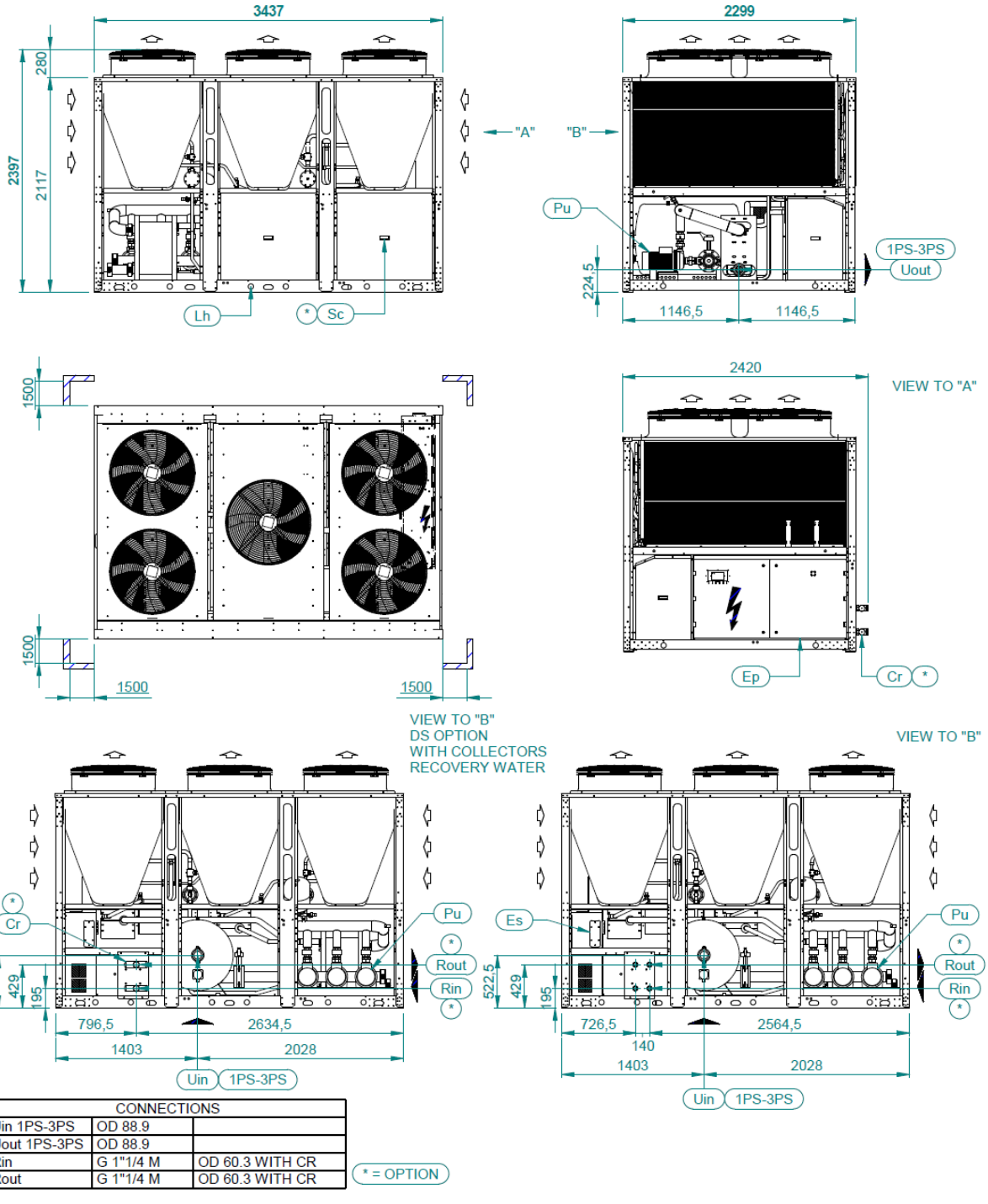


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 28.4 CH_1P-3P	2052	2083	236	350	537	362
TETRIS 2 A 28.4 CH_1P-3P_LN	2212	2243	238	371	612	392
TETRIS 2 A 28.4 HP_1P-3P	2361	2392	287	385	575	429
TETRIS 2 A 28.4 HP_1P-3P_LN	2519	2550	288	406	648	460
TETRIS 2 A 28.4 CH_1P-3P_DS	2080	2113	241	366	545	360
TETRIS 2 A 28.4 CH_1P-3P_DS_LN	2239	2272	243	386	620	390
TETRIS 2 A 28.4 HP_1P-3P_DS	2390	2423	293	400	583	427
TETRIS 2 A 28.4 HP_1P-3P_DS_LN	2549	2582	294	422	656	458
TETRIS 2 SLN 28.4 CH_1P-3P_LN	2212	2243	238	371	612	392
TETRIS 2 SLN 28.4 HP_1P-3P_LN	2519	2550	288	406	648	460
TETRIS 2 SLN 28.4 CH_1P-3P_DS_LN	2239	2272	243	386	620	390
TETRIS 2 SLN 28.4 HP_1P-3P_DS_LN	2549	2582	294	422	656	458

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 28.4

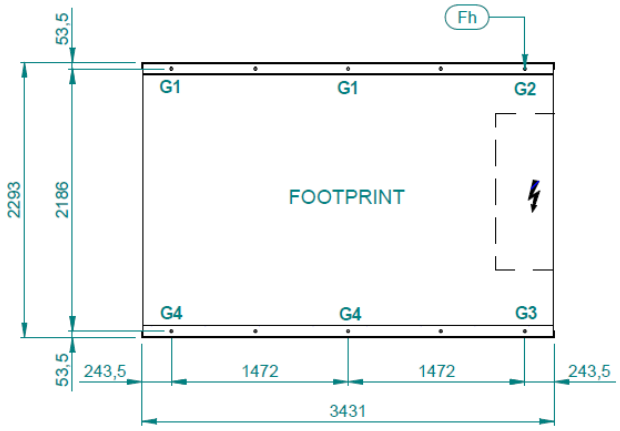
A4E747 - A

CH-HP-LN-DS 1PS-3PS



CONNECTIONS		
Uin 1PS-3PS	OD 88.9	
Uout 1PS-3PS	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

* = OPTION

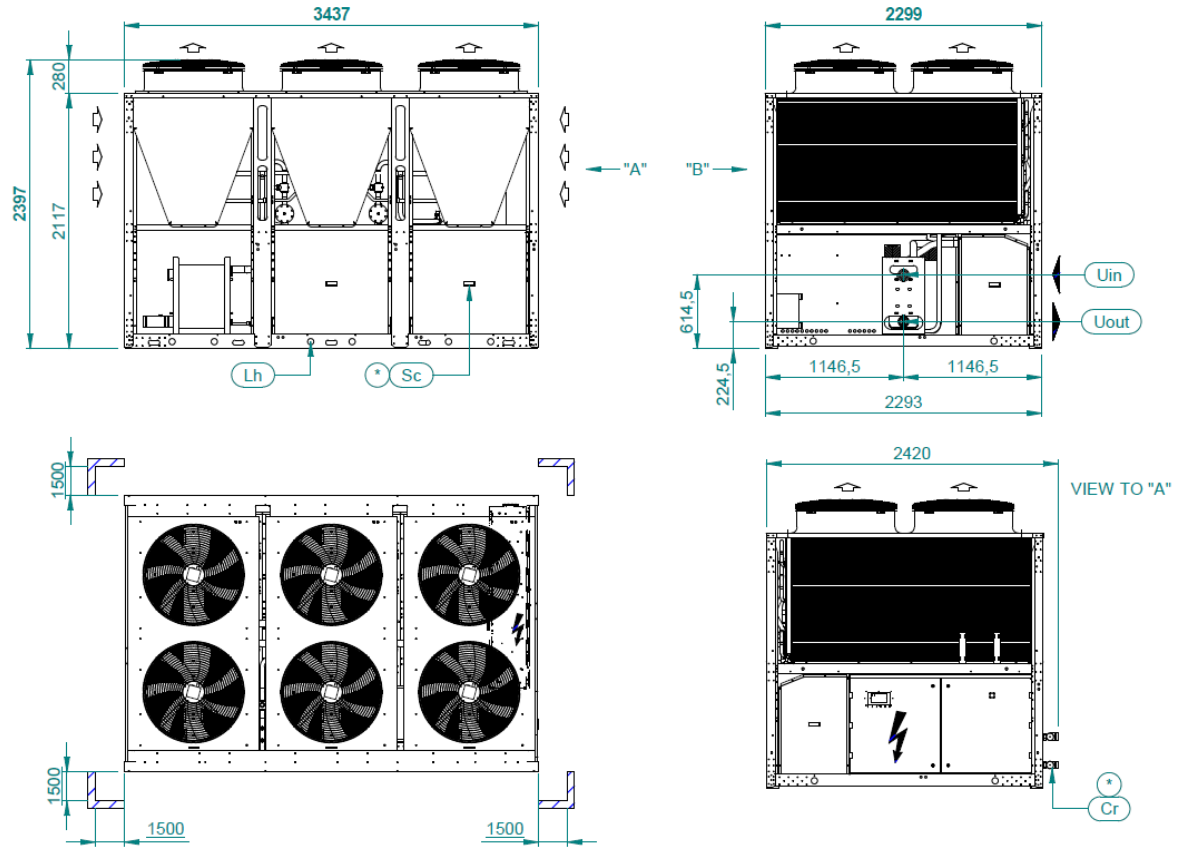


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 28.4 CH_1PS-3PS	2141	2507	323	488	591	391
TETRIS 2 A 28.4 CH_1PS-3PS_LN	2300	2666	324	510	664	422
TETRIS 2 A 28.4 HP_1PS-3PS	2452	2818	376	520	632	457
TETRIS 2 A 28.4 HP_1PS-3PS_LN	2609	2975	376	543	704	488
TETRIS 2 A 28.4 CH_1PS-3PS_DS	2171	2539	328	504	599	390
TETRIS 2 A 28.4 CH_1PS-3PS_DS_LN	2332	2700	330	526	672	421
TETRIS 2 A 28.4 HP_1PS-3PS_DS	2478	2846	381	535	639	455
TETRIS 2 A 28.4 HP_1PS-3PS_DS_LN	2639	3007	382	558	711	487
TETRIS 2 SLN 28.4 CH_1PS-3PS_LN	2300	2666	324	510	664	422
TETRIS 2 SLN 28.4 HP_1PS-3PS_LN	2609	2975	376	543	704	488
TETRIS 2 SLN 28.4 CH_1PS-3PS_DS_LN	2332	2700	330	526	672	421
TETRIS 2 SLN 28.4 HP_1PS-3PS_DS_LN	2639	3007	382	558	711	487

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 34.4,38.4

A4E748 - A

CH-HP-LN-DS

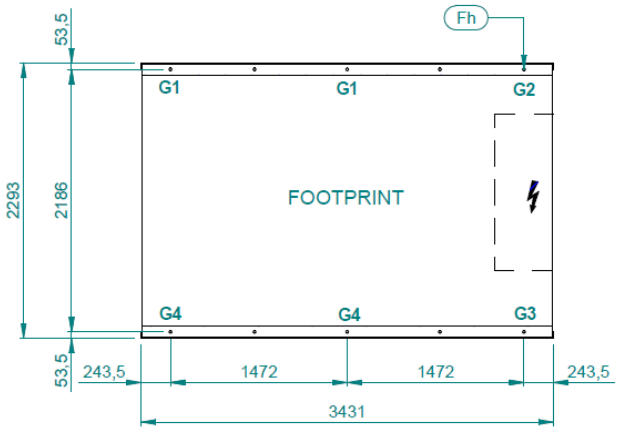


CONNECTIONS		
Uin	OD 88.9	
Uout	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

* = OPTION

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 34.4,38.4
CH-HP-LN-DS

A4E748 - A

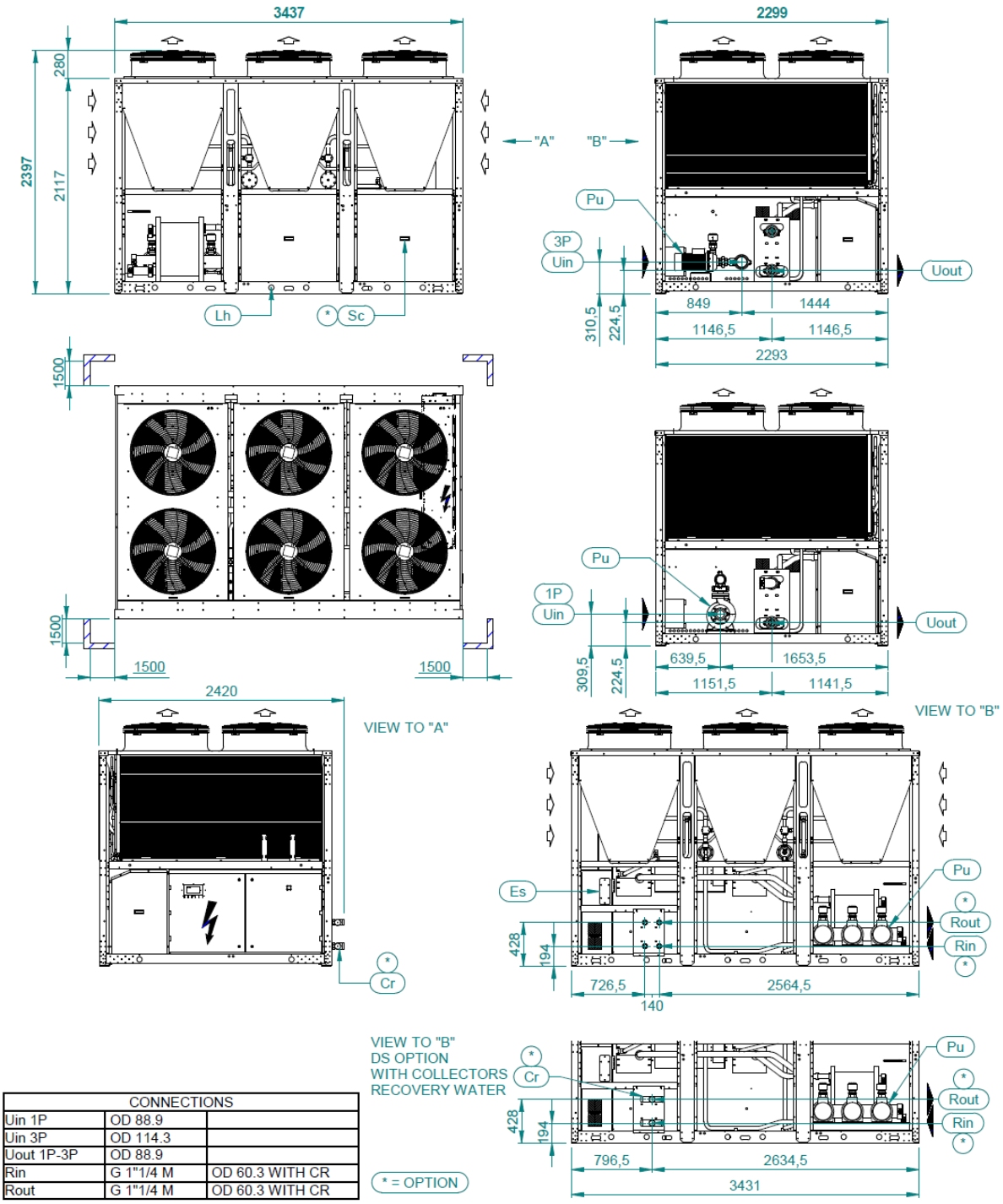


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 34.4 CH	2067	2092	214	346	590	364
TETRIS 2 A 34.4 CH_LN	2226	2251	216	365	666	394
TETRIS 2 A 34.4 HP	2408	2433	265	388	639	438
TETRIS 2 A 34.4 HP_LN	2569	2594	268	408	714	468
TETRIS 2 A 34.4 CH_DS	2099	2127	220	364	599	362
TETRIS 2 A 34.4 CH_DS_LN	2260	2288	223	383	675	392
TETRIS 2 A 34.4 HP_DS	2440	2468	272	405	649	435
TETRIS 2 A 34.4 HP_DS_LN	2600	2628	274	425	723	466
TETRIS 2 SLN 34.4 CH_LN	2226	2251	216	365	666	394
TETRIS 2 SLN 34.4 HP_LN	2569	2594	268	408	714	468
TETRIS 2 SLN 34.4 CH_DS_LN	2260	2288	223	383	675	392
TETRIS 2 SLN 34.4 HP_DS_LN	2600	2628	274	425	723	466
TETRIS 2 A 38.4 CH	2107	2132	214	350	610	372
TETRIS 2 A 38.4 CH_LN	2268	2293	217	369	686	402
TETRIS 2 A 38.4 HP	2448	2473	265	392	659	446
TETRIS 2 A 38.4 HP_LN	2609	2634	268	413	733	476
TETRIS 2 A 38.4 CH_DS	2139	2167	220	368	619	370
TETRIS 2 A 38.4 CH_DS_LN	2300	2328	223	387	695	400
TETRIS 2 A 38.4 HP_DS	2480	2508	272	410	668	443
TETRIS 2 A 38.4 HP_DS_LN	2641	2669	274	430	743	474
TETRIS 2 SLN 38.4 CH_LN	2268	2293	217	369	686	402
TETRIS 2 SLN 38.4 HP_LN	2609	2634	268	413	733	476
TETRIS 2 SLN 38.4 CH_DS_LN	2300	2328	223	387	695	400
TETRIS 2 SLN 38.4 HP_DS_LN	2641	2669	274	430	743	474

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 34.4,38.4

A4E749 - A

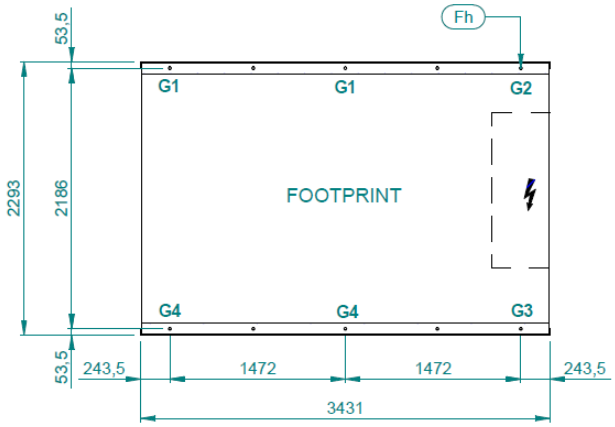
CH-HP-LN-DS 1P-3P



CONNECTIONS		
Uin 1P	OD 88.9	
Uin 3P	OD 114.3	
Uout 1P-3P	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 34.4,38.4
CH-HP-LN-DS 1P-3P

A4E749 - A

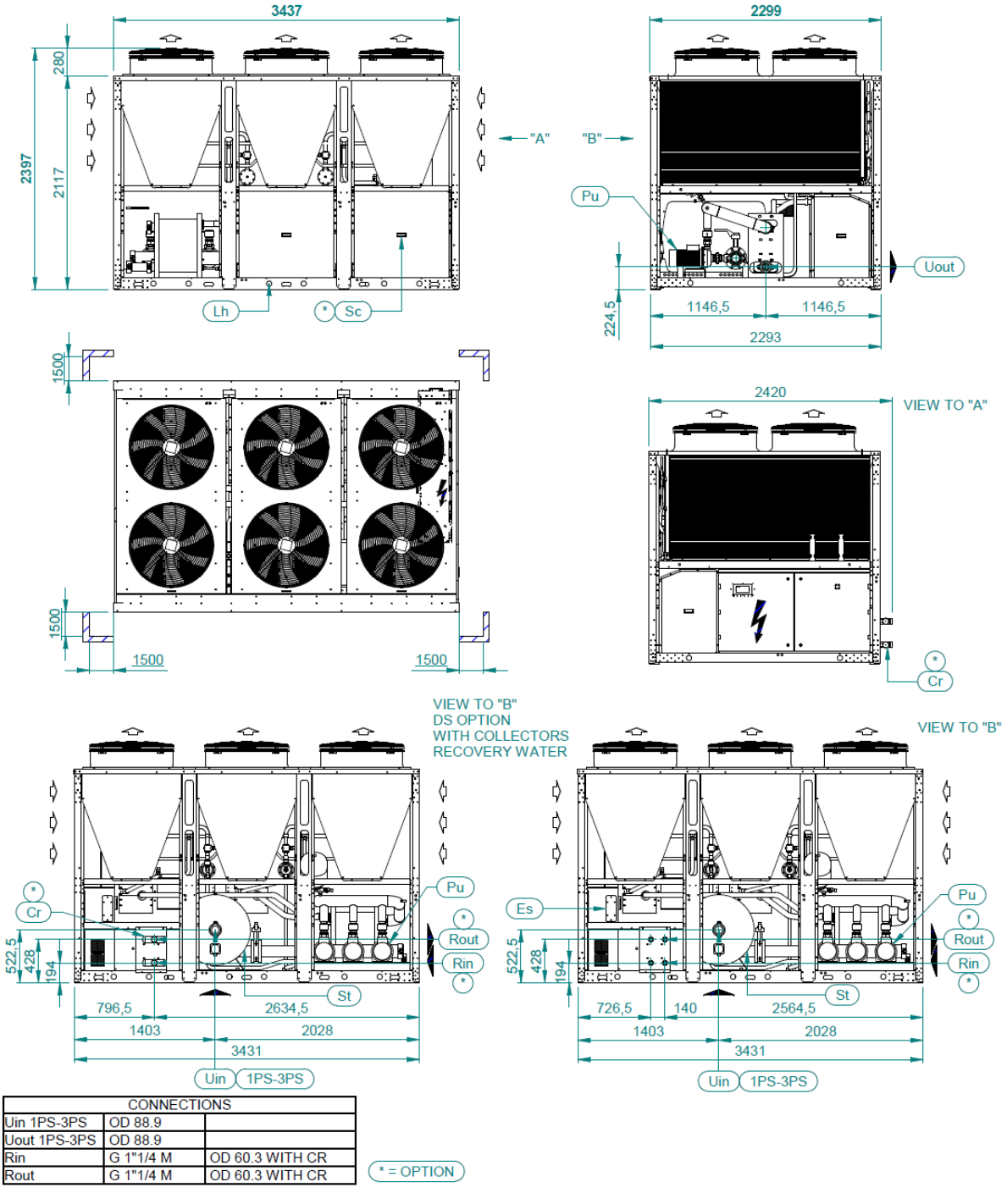


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 34.4 CH_1P-3P	2167	2202	250	358	562	391
TETRIS 2 A 34.4 CH_1P-3P_LN	2328	2363	252	379	636	422
TETRIS 2 A 34.4 HP_1P-3P	2507	2542	302	398	612	464
TETRIS 2 A 34.4 HP_1P-3P_LN	2668	2703	304	420	685	495
TETRIS 2 A 34.4 CH_1P-3P_DS	2199	2237	256	376	571	389
TETRIS 2 A 34.4 CH_1P-3P_DS_LN	2359	2397	258	396	645	420
TETRIS 2 A 34.4 HP_1P-3P_DS	2542	2580	309	416	622	462
TETRIS 2 A 34.4 HP_1P-3P_DS_LN	2700	2738	310	437	695	493
TETRIS 2 SLN 34.4 CH_1P-3P_LN	2328	2363	252	379	636	422
TETRIS 2 SLN 34.4 HP_1P-3P_LN	2668	2703	304	420	685	495
TETRIS 2 SLN 34.4 CH_1P-3P_DS_LN	2359	2397	258	396	645	420
TETRIS 2 SLN 34.4 HP_1P-3P_DS_LN	2700	2738	310	437	695	493
TETRIS 2 A 38.4 CH_1P-3P	2205	2240	249	363	581	399
TETRIS 2 A 38.4 CH_1P-3P_LN	2369	2404	252	384	656	430
TETRIS 2 A 38.4 HP_1P-3P	2549	2584	302	404	632	472
TETRIS 2 A 38.4 HP_1P-3P_LN	2707	2742	303	425	705	503
TETRIS 2 A 38.4 CH_1P-3P_DS	2238	2276	256	380	590	397
TETRIS 2 A 38.4 CH_1P-3P_DS_LN	2400	2438	258	401	665	428
TETRIS 2 A 38.4 HP_1P-3P_DS	2580	2618	308	421	641	470
TETRIS 2 A 38.4 HP_1P-3P_DS_LN	2740	2778	310	442	714	501
TETRIS 2 SLN 38.4 CH_1P-3P_LN	2369	2404	252	384	656	430
TETRIS 2 SLN 38.4 HP_1P-3P_LN	2707	2742	303	425	705	503
TETRIS 2 SLN 38.4 CH_1P-3P_DS_LN	2400	2438	258	401	665	428
TETRIS 2 SLN 38.4 HP_1P-3P_DS_LN	2740	2778	310	442	714	501

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 34.4,38.4

CH-HP-LN-DS 1PS-3PS

A4E750 - A

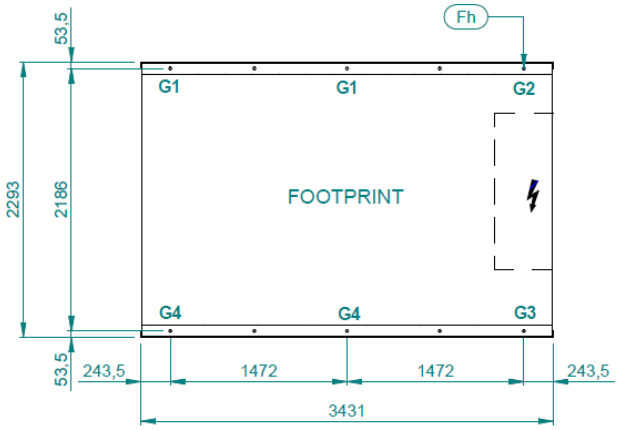


CONNECTIONS		
Uin 1PS-3PS	OD 88.9	
Uout 1PS-3PS	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

* = OPTION

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 34.4,38.4 CH-HP-LN-DS 1PS-3PS

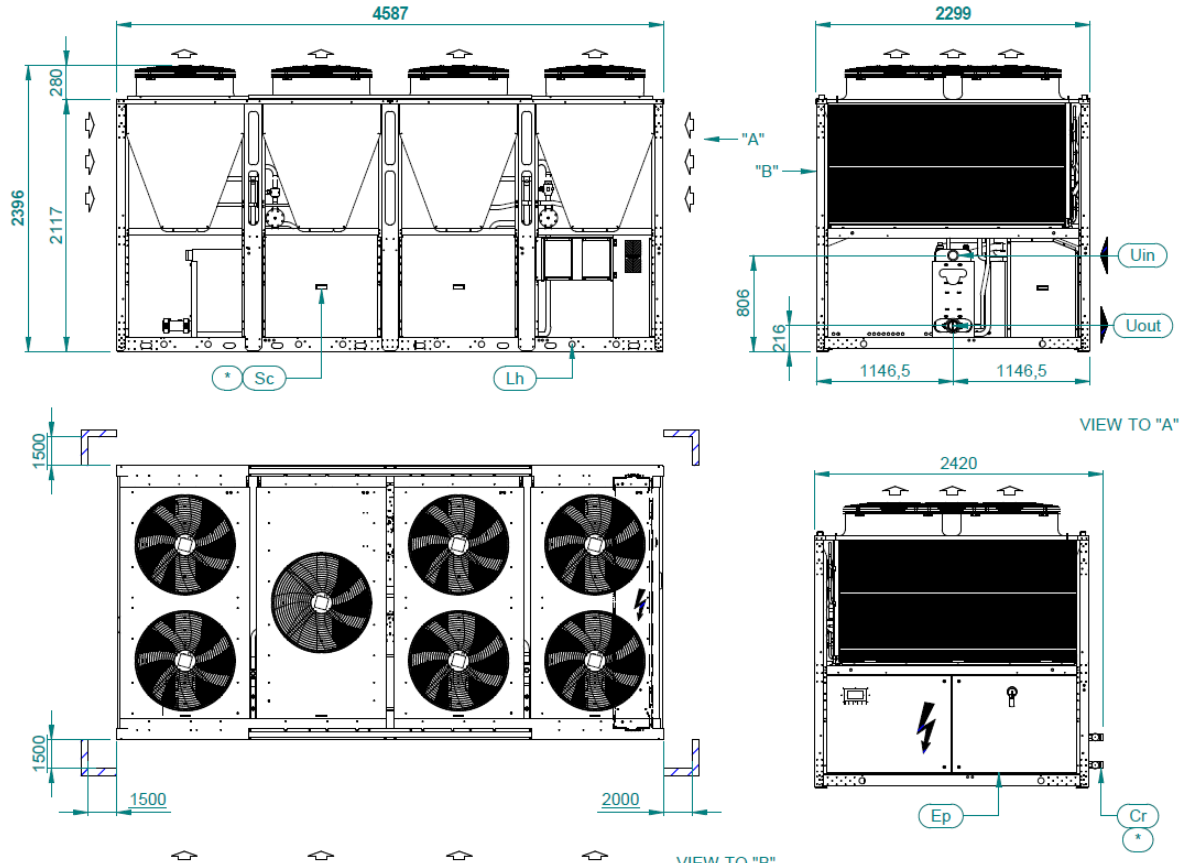
A4E750 - A



MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 34.4 CH_1PS-3PS	2247	2612	332	494	620	417
TETRIS 2 A 34.4 CH_1PS-3PS_LN	2406	2771	333	516	693	448
TETRIS 2 A 34.4 HP_1PS-3PS	2588	2953	386	532	673	488
TETRIS 2 A 34.4 HP_1PS-3PS_LN	2748	3113	387	554	745	520
TETRIS 2 A 34.4 CH_1PS-3PS_DS	2279	2647	338	512	629	415
TETRIS 2 A 34.4 CH_1PS-3PS_DS_LN	2440	2808	340	534	702	446
TETRIS 2 A 34.4 HP_1PS-3PS_DS	2620	2988	392	550	682	486
TETRIS 2 A 34.4 HP_1PS-3PS_DS_LN	2780	3148	393	572	754	518
TETRIS 2 SLN 34.4 CH_1PS-3PS_LN	2406	2771	333	516	693	448
TETRIS 2 SLN 34.4 HP_1PS-3PS_LN	2748	3113	387	554	745	520
TETRIS 2 SLN 34.4 CH_1PS-3PS_DS_LN	2440	2808	340	534	702	446
TETRIS 2 SLN 34.4 HP_1PS-3PS_DS_LN	2780	3148	393	572	754	518
TETRIS 2 A 38.4 CH_1PS-3PS	2287	2652	332	499	639	425
TETRIS 2 A 38.4 CH_1PS-3PS_LN	2446	2811	333	521	712	456
TETRIS 2 A 38.4 HP_1PS-3PS	2626	2991	385	537	692	496
TETRIS 2 A 38.4 HP_1PS-3PS_LN	2779	3144	388	557	757	527
TETRIS 2 A 38.4 CH_1PS-3PS_DS	2319	2687	338	517	648	423
TETRIS 2 A 38.4 CH_1PS-3PS_DS_LN	2478	2846	339	539	721	454
TETRIS 2 A 38.4 HP_1PS-3PS_DS	2660	3028	392	555	701	494
TETRIS 2 A 38.4 HP_1PS-3PS_DS_LN	2799	3167	395	573	758	523
TETRIS 2 SLN 38.4 CH_1PS-3PS_LN	2446	2811	333	521	712	456
TETRIS 2 SLN 38.4 HP_1PS-3PS_LN	2767	3132	389	555	749	525
TETRIS 2 SLN 38.4 CH_1PS-3PS_DS_LN	2478	2846	339	539	721	454
TETRIS 2 SLN 38.4 HP_1PS-3PS_DS_LN	2797	3165	396	572	755	523

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 43.4
CH-HP-LN-DS

A4E761 - A



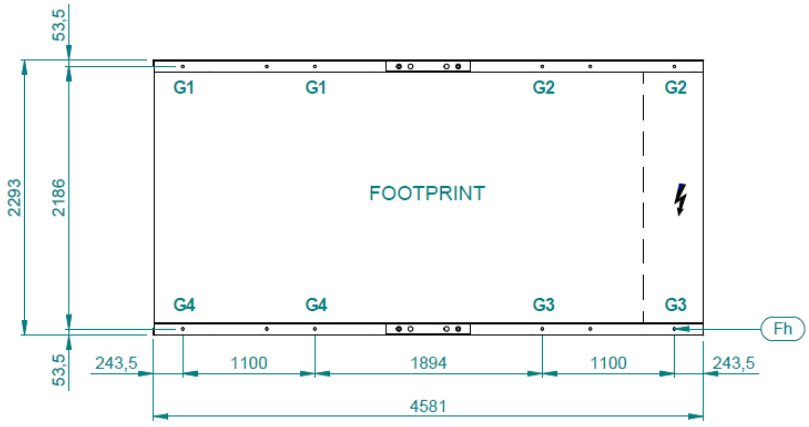
VIEW TO "B"
DS OPTION
WITH COLLECTORS
RECOVERY WATER

* = OPTION

CONNECTIONS		
Uin	OD 88.9	
Uout	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 43.4 CH-HP-LN-DS

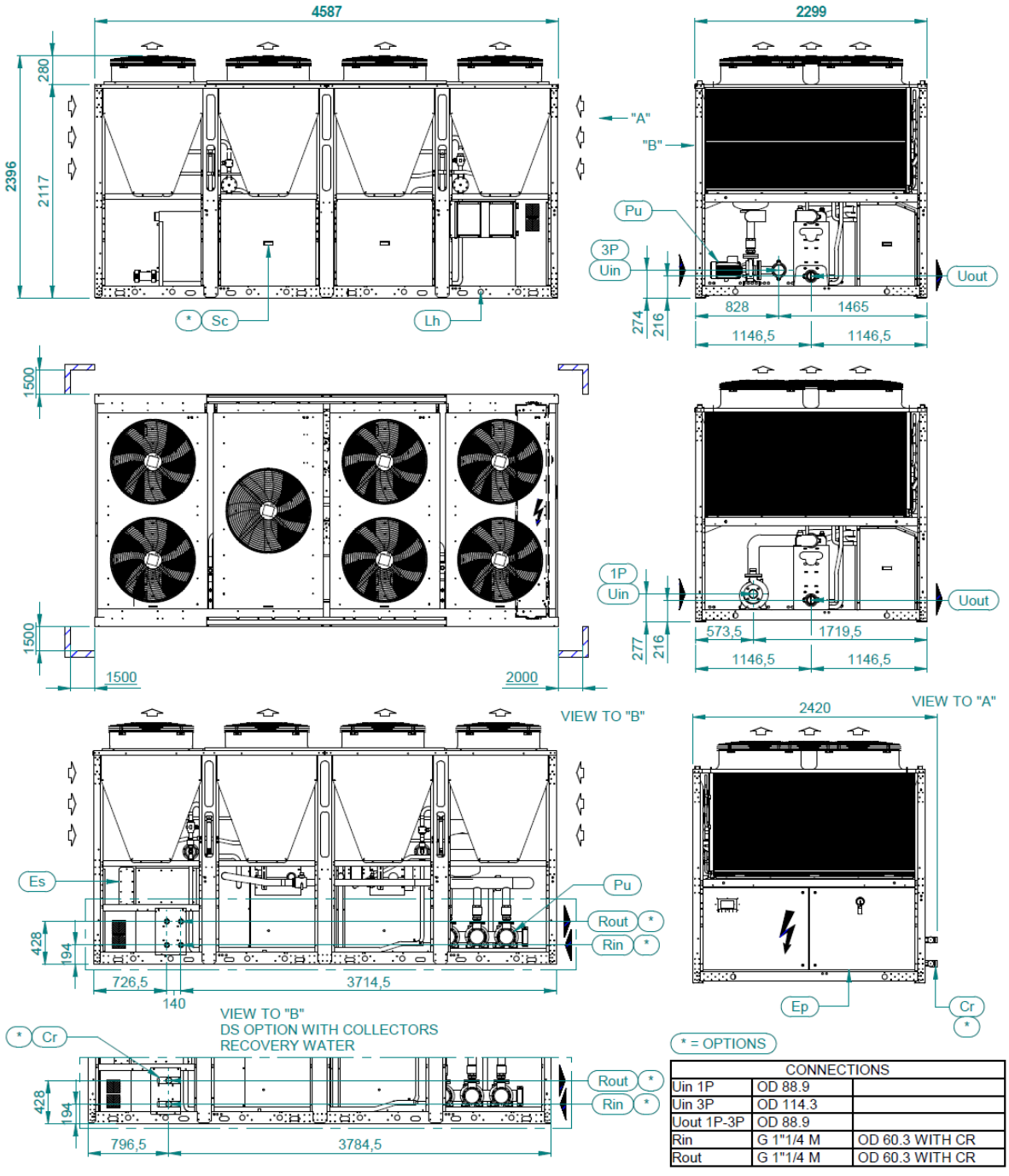
A4E761 - A



MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 43.4 CH	2530	2574	232	257	420	378
TETRIS 2 A 43.4 CH_LN	2720	2764	238	262	462	420
TETRIS 2 A 43.4 HP	2968	3012	281	310	480	435
TETRIS 2 A 43.4 HP_LN	3162	3206	288	315	523	477
TETRIS 2 A 43.4 CH_DS	2556	2604	236	268	424	374
TETRIS 2 A 43.4 CH_DS_LN	2748	2796	243	273	467	415
TETRIS 2 A 43.4 HP_DS	2996	3044	285	321	485	431
TETRIS 2 A 43.4 HP_DS_LN	3188	3236	292	326	528	472
TETRIS 2 SLN 43.4 CH_LN	2720	2764	238	262	462	420
TETRIS 2 SLN 43.4 HP_LN	3162	3206	288	315	523	477
TETRIS 2 SLN 43.4 CH_DS_LN	2748	2796	243	273	467	415
TETRIS 2 SLN 43.4 HP_DS_LN	3188	3236	292	326	528	472

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 43.4
CH-HP-LN-DS 1P-3P

A4E762 - A

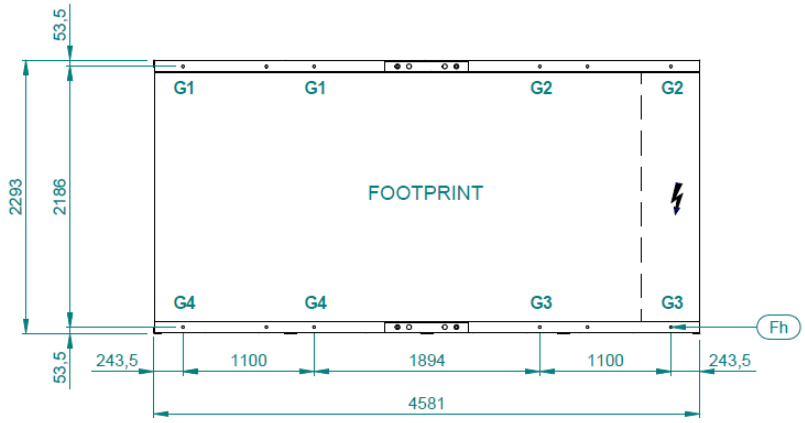


* = OPTIONS

CONNECTIONS		
Uin 1P	OD 88.9	
Uin 3P	OD 114.3	
Uout 1P-3P	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 43.4
CH-HP-LN-DS 1P-3P

A4E762 - A

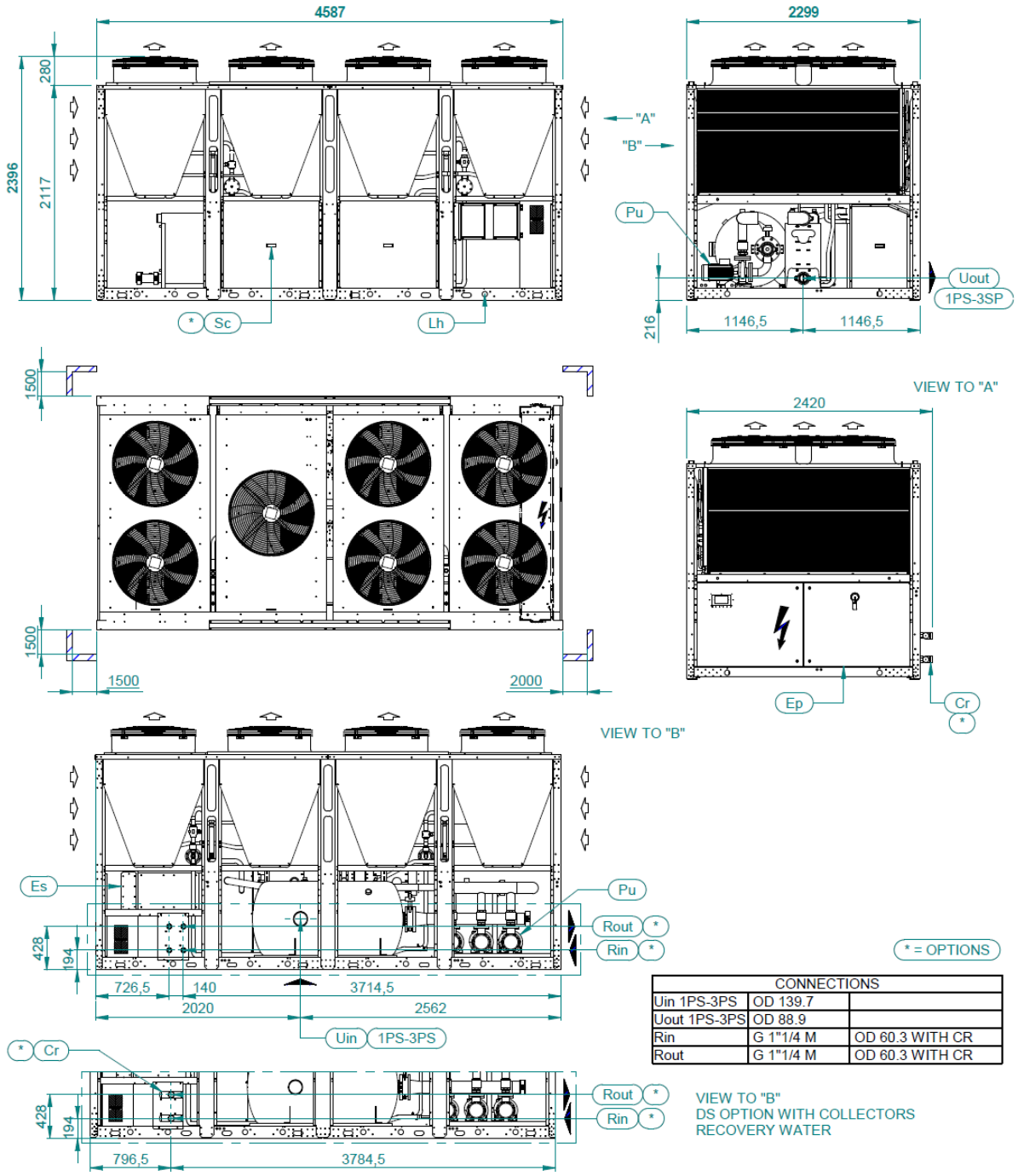


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 43.4 CH_1P	2630	2684	266	265	404	407
TETRIS 2 A 43.4 CH_1P_LN	2820	2874	272	270	446	449
TETRIS 2 A 43.4 HP_1P	3070	3124	316	317	465	464
TETRIS 2 A 43.4 HP_1P_LN	3262	3316	322	323	507	506
TETRIS 2 A 43.4 CH_1P_DS	2656	2714	271	275	409	402
TETRIS 2 A 43.4 CH_1P_DS_LN	2848	2906	277	281	451	444
TETRIS 2 A 43.4 HP_1P_DS	3096	3154	320	328	470	459
TETRIS 2 A 43.4 HP_1P_DS_LN	3288	3346	326	334	512	501
TETRIS 2 A 43.4 CH_3P	2730	2794	296	277	399	425
TETRIS 2 A 43.4 CH_3P_LN	2922	2986	301	283	441	468
TETRIS 2 A 43.4 HP_3P	3170	3234	345	330	460	482
TETRIS 2 A 43.4 HP_3P_LN	3362	3426	351	336	502	524
TETRIS 2 A 43.4 CH_3P_DS	2758	2826	300	288	404	421
TETRIS 2 A 43.4 CH_3P_DS_LN	2946	3014	305	294	445	463
TETRIS 2 A 43.4 HP_3P_DS	3198	3266	350	341	465	477
TETRIS 2 A 43.4 HP_3P_DS_LN	3388	3456	355	346	507	520
TETRIS 2 SLN 43.4 CH_1P_LN	2820	2874	272	270	446	449
TETRIS 2 SLN 43.4 HP_1P_LN	3262	3316	322	323	507	506
TETRIS 2 SLN 43.4 CH_1P_DS_LN	2848	2906	277	281	451	444
TETRIS 2 SLN 43.4 HP_1P_DS_LN	3288	3346	326	334	512	501
TETRIS 2 SLN 43.4 CH_3P_LN	2922	2986	301	283	441	468
TETRIS 2 SLN 43.4 HP_3P_LN	3362	3426	351	336	502	524
TETRIS 2 SLN 43.4 CH_3P_DS_LN	2946	3014	305	294	445	463
TETRIS 2 SLN 43.4 HP_3P_DS_LN	3388	3456	355	346	507	520

WESTERN AIRCONDITIONING™

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 43.4
CH-HP-LN-DS 1PS-3PS

A4E763 - A



* = OPTIONS

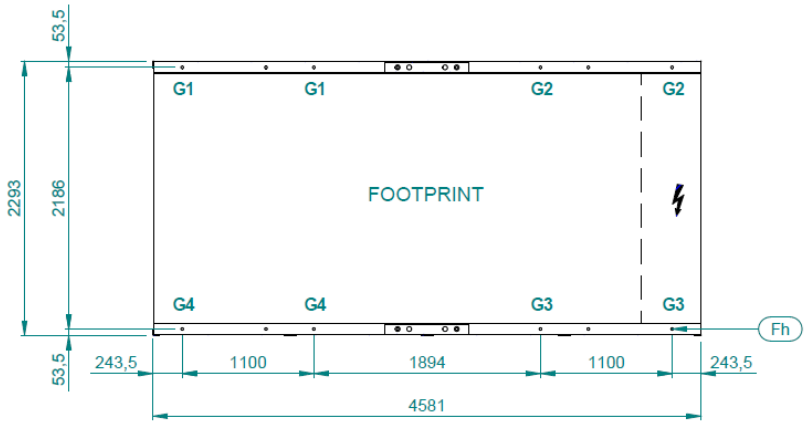
CONNECTIONS		
Uin 1PS-3PS	OD 139.7	
Uout 1PS-3PS	OD 88.9	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

VIEW TO "B"
DS OPTION WITH COLLECTORS
RECOVERY WATER

WESTERN™ AIRCONDITIONING

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 43.4
CH-HP-LN-DS 1PS-3PS

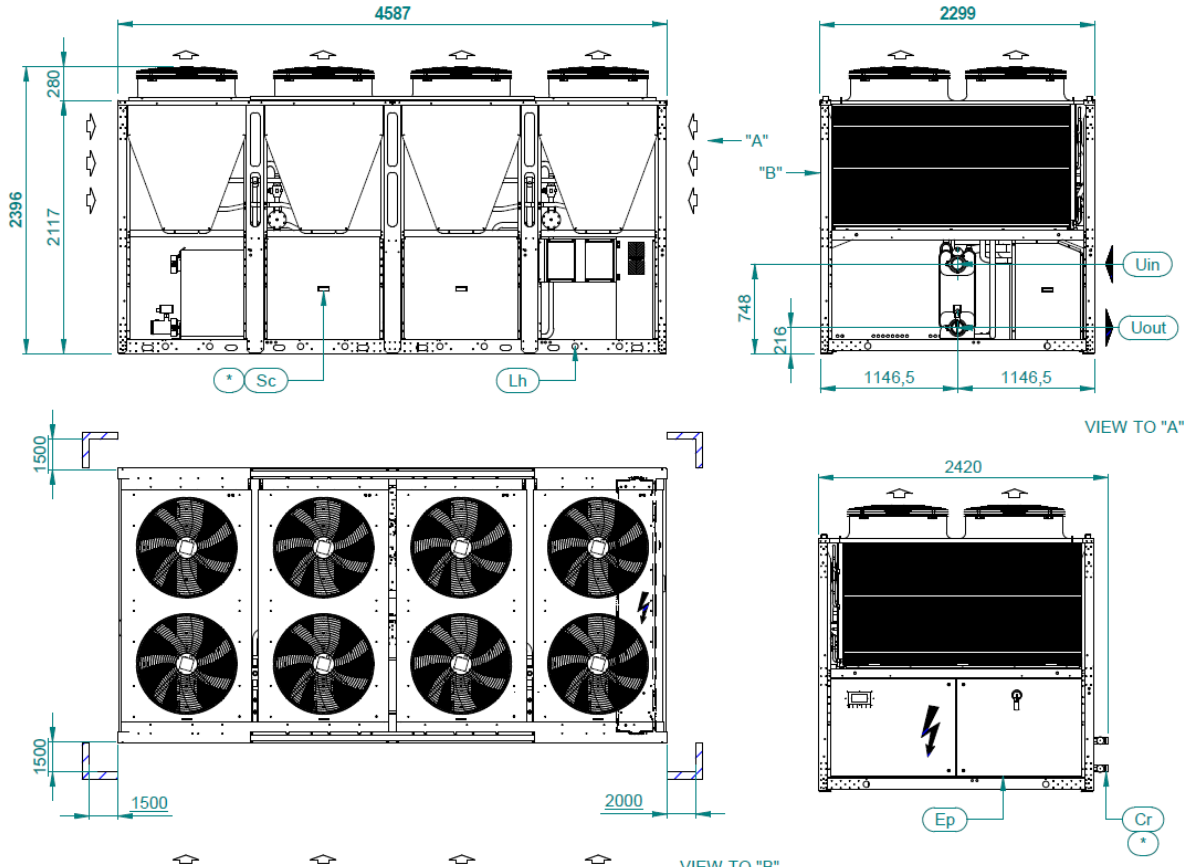
A4E763 - A



MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 43.4 CH_1PS	2792	3346	394	379	441	459
TETRIS 2 A 43.4 CH_1PS_LN	2982	3536	399	385	483	501
TETRIS 2 A 43.4 HP_1PS	3232	3786	443	432	502	516
TETRIS 2 A 43.4 HP_1PS_LN	3424	3978	449	438	544	558
TETRIS 2 A 43.4 CH_1PS_DS	2816	3374	397	390	445	455
TETRIS 2 A 43.4 CH_1PS_DS_LN	3006	3564	403	395	487	497
TETRIS 2 A 43.4 HP_1PS_DS	3260	3818	447	443	507	512
TETRIS 2 A 43.4 HP_1PS_DS_LN	3448	4006	453	448	548	554
TETRIS 2 A 43.4 CH_3PS	2890	3454	423	391	439	474
TETRIS 2 A 43.4 CH_3PS_LN	3082	3646	428	398	480	517
TETRIS 2 A 43.4 HP_3PS	3330	3894	472	444	500	531
TETRIS 2 A 43.4 HP_3PS_LN	3522	4086	477	451	541	574
TETRIS 2 A 43.4 CH_3PS_DS	2916	3484	427	402	443	470
TETRIS 2 A 43.4 CH_3PS_DS_LN	3108	3676	432	409	485	512
TETRIS 2 A 43.4 HP_3PS_DS	3356	3924	476	455	504	527
TETRIS 2 A 43.4 HP_3PS_DS_LN	3546	4114	481	461	546	569
TETRIS 2 SLN 43.4 CH_1PS_LN	2982	3536	399	385	483	501
TETRIS 2 SLN 43.4 HP_1PS_LN	3424	3978	449	438	544	558
TETRIS 2 SLN 43.4 CH_1PS_DS_LN	3006	3564	403	395	487	497
TETRIS 2 SLN 43.4 HP_1PS_DS_LN	3448	4006	453	448	548	554
TETRIS 2 SLN 43.4 CH_3PS_LN	3082	3646	428	398	480	517
TETRIS 2 SLN 43.4 HP_3PS_LN	3522	4086	477	451	541	574
TETRIS 2 SLN 43.4 CH_3PS_DS_LN	3108	3676	432	409	485	512
TETRIS 2 SLN 43.4 HP_3PS_DS_LN	3546	4114	481	461	546	569

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 47.4
CH-HP-LN-DS

A4E770 - A



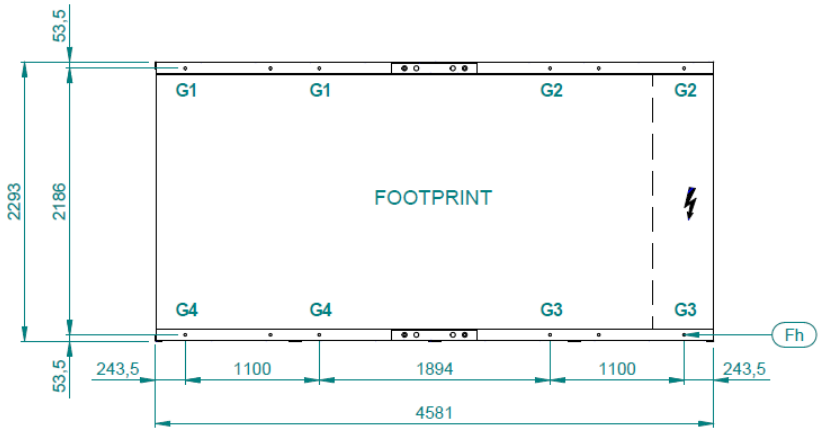
VIEW TO "B"
DS OPTION
WITH COLLECTORS
RECOVERY WATER

* = OPTIONS

CONNECTIONS		
Uin	OD 114.3	
Uout	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 47.4
CH-HP-LN-DS

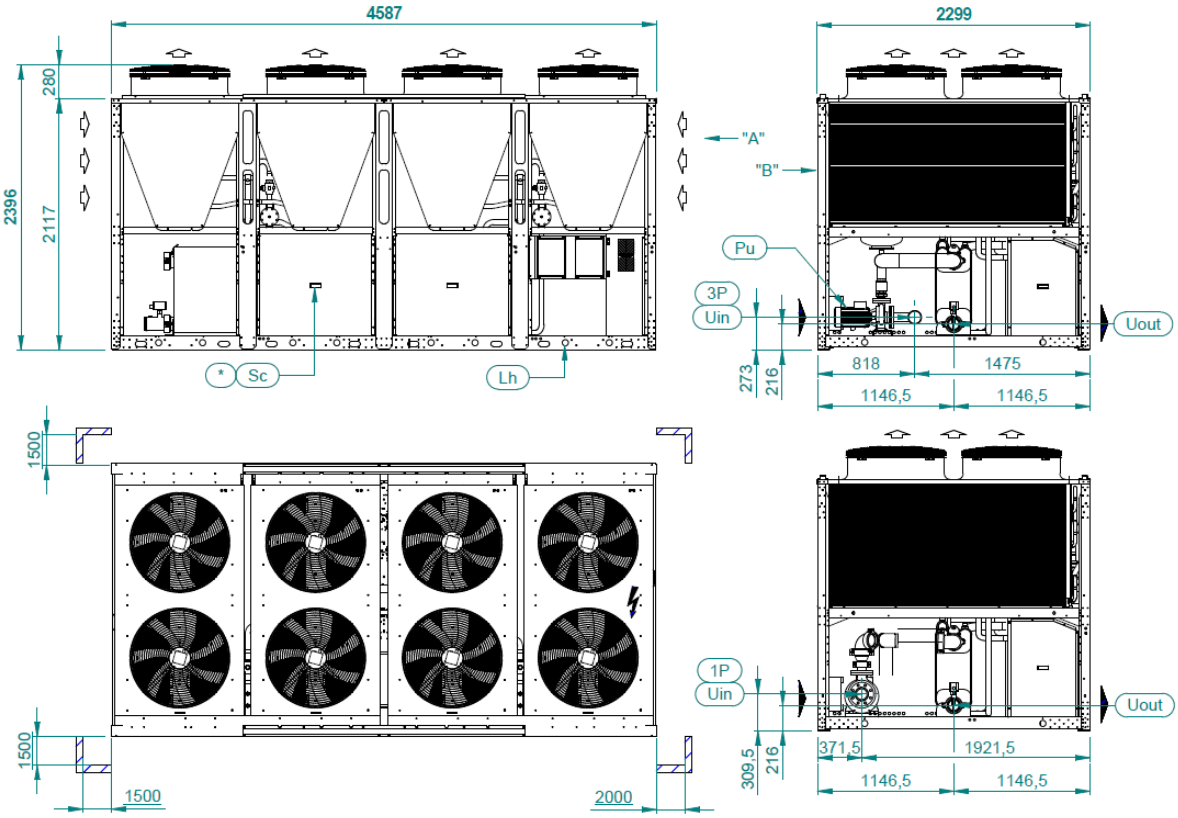
A4E770 - A

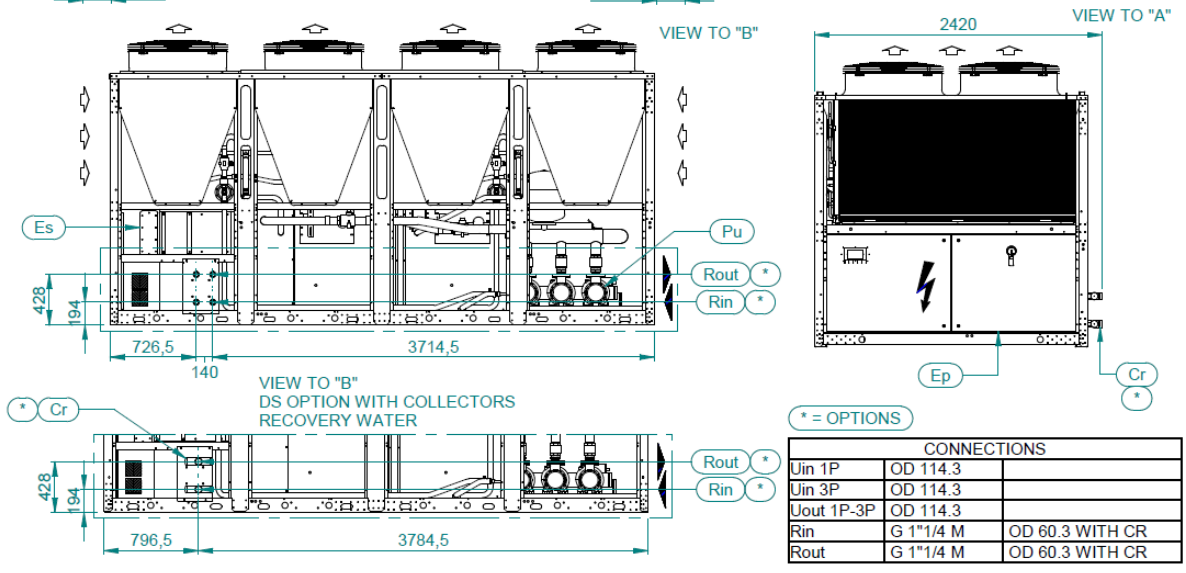


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 47.4 CH	2628	2678	246	262	428	403
TETRIS 2 A 47.4 CH_LN	2818	2868	252	267	471	444
TETRIS 2 A 47.4 HP	3104	3154	303	316	489	469
TETRIS 2 A 47.4 HP_LN	3294	3344	309	321	531	511
TETRIS 2 A 47.4 CH_DS	2656	2710	251	273	433	398
TETRIS 2 A 47.4 CH_DS_LN	2848	2902	257	278	476	440
TETRIS 2 A 47.4 HP_DS	3132	3186	307	327	494	465
TETRIS 2 A 47.4 HP_DS_LN	3320	3374	313	332	536	506
TETRIS 2 SLN 47.4 CH_LN	2818	2868	252	267	471	444
TETRIS 2 SLN 47.4 HP_LN	3294	3344	309	321	531	511
TETRIS 2 SLN 47.4 CH_DS_LN	2848	2902	257	278	476	440
TETRIS 2 SLN 47.4 HP_DS_LN	3320	3374	313	332	536	506

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 47.4
CH-HP-LN-DS 1P-3P

A4E771 - A





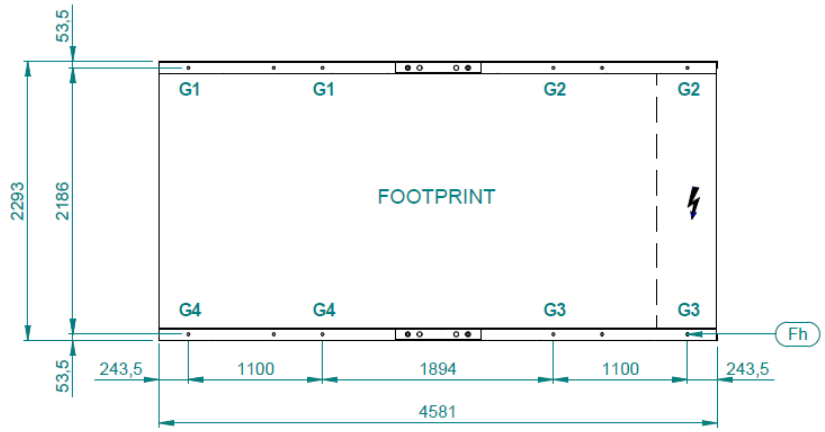
* = OPTIONS

CONNECTIONS		
Uin 1P	OD 114.3	
Uin 3P	OD 114.3	
Uout 1P-3P	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

WESTERN AIRCONDITIONING™

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 47.4
CH-HP-LN-DS 1P-3P

A4E771 - A

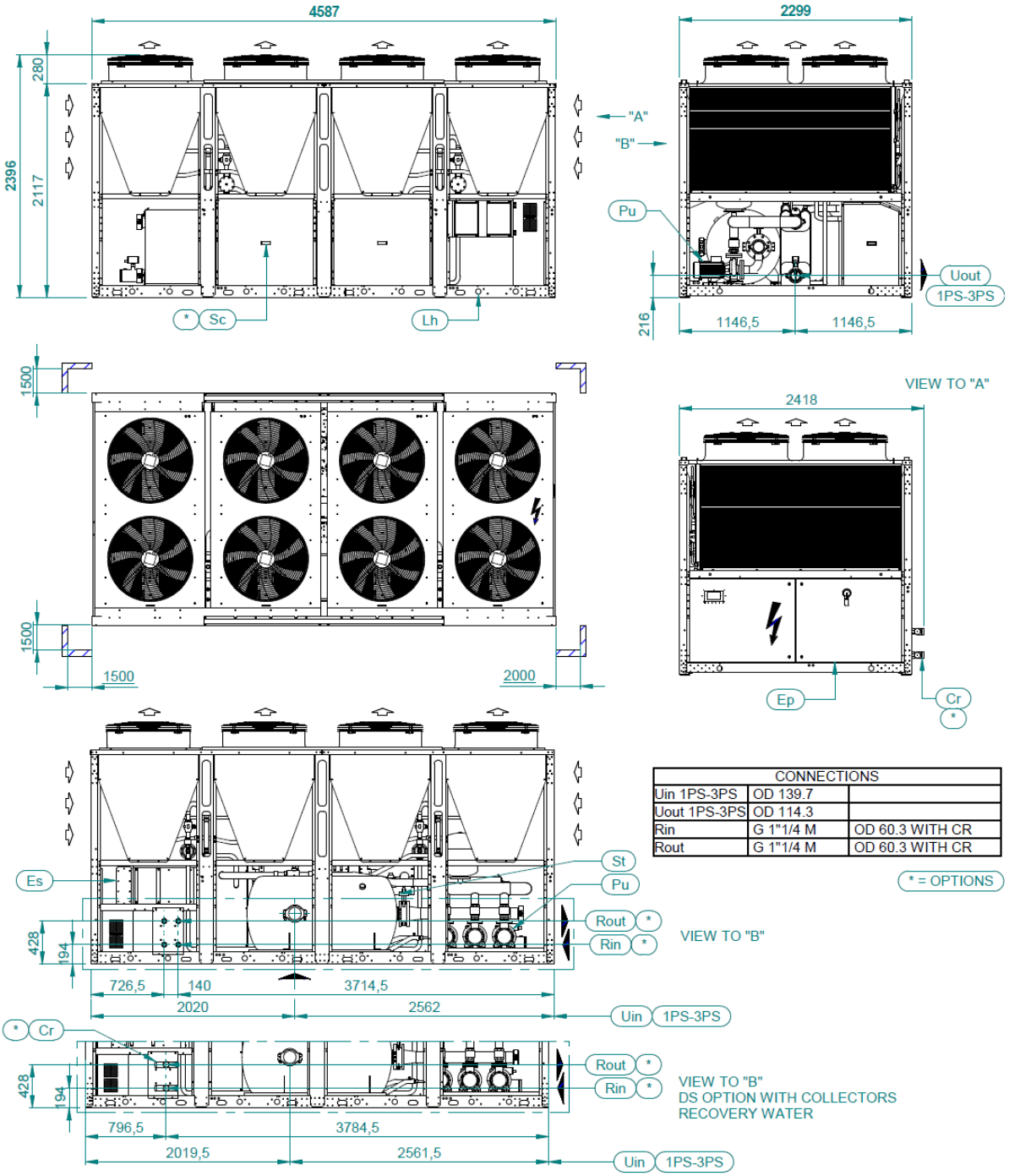


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 47.4 CH_1P	2752	2812	290	275	410	431
TETRIS 2 A 47.4 CH_1P_LN	2942	3002	295	281	451	474
TETRIS 2 A 47.4 HP_1P	3228	3288	347	329	471	497
TETRIS 2 A 47.4 HP_1P_LN	3420	3480	352	335	513	540
TETRIS 2 A 47.4 CH_1P_DS	2780	2844	294	286	415	427
TETRIS 2 A 47.4 CH_1P_DS_LN	2972	3036	300	292	457	469
TETRIS 2 A 47.4 HP_1P_DS	3256	3320	352	340	476	492
TETRIS 2 A 47.4 HP_1P_DS_LN	3448	3512	357	346	518	535
TETRIS 2 A 47.4 CH_3P	2826	2896	310	281	408	449
TETRIS 2 A 47.4 CH_3P_LN	3018	3088	315	288	449	492
TETRIS 2 A 47.4 HP_3P	3302	3372	367	335	469	515
TETRIS 2 A 47.4 HP_3P_LN	3494	3564	372	341	511	558
TETRIS 2 A 47.4 CH_3P_DS	2854	2928	315	292	413	444
TETRIS 2 A 47.4 CH_3P_DS_LN	3048	3122	320	299	455	487
TETRIS 2 A 47.4 HP_3P_DS	3330	3404	372	346	474	510
TETRIS 2 A 47.4 HP_3P_DS_LN	3522	3596	377	352	516	553
TETRIS 2 SLN 47.4 CH_1P_LN	2942	3002	295	281	451	474
TETRIS 2 SLN 47.4 HP_1P_LN	3420	3480	352	335	513	540
TETRIS 2 SLN 47.4 CH_1P_DS_LN	2972	3036	300	292	457	469
TETRIS 2 SLN 47.4 HP_1P_DS_LN	3448	3512	357	346	518	535
TETRIS 2 SLN 47.4 CH_3P_LN	3018	3088	315	288	449	492
TETRIS 2 SLN 47.4 HP_3P_LN	3494	3564	372	341	511	558
TETRIS 2 SLN 47.4 CH_3P_DS_LN	3048	3122	320	299	455	487
TETRIS 2 SLN 47.4 HP_3P_DS_LN	3522	3596	377	352	516	553

WESTERN AIRCONDITIONING™

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 47.4
CH-HP-LN-DS 1PS-3PS

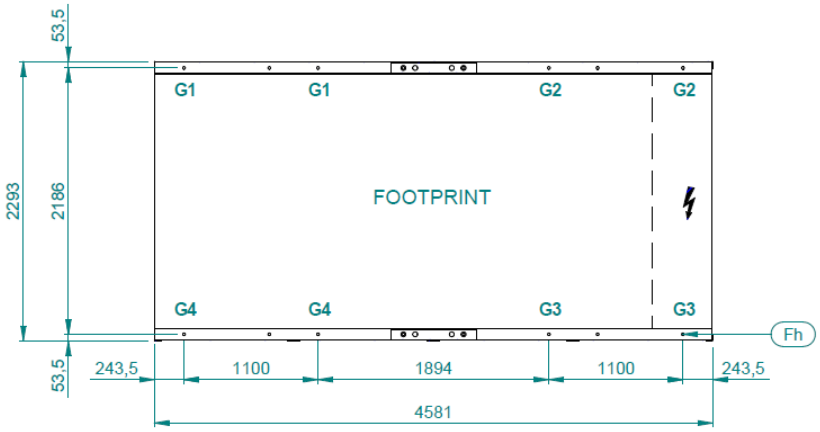
A4E772 - A



CONNECTIONS		
Uin 1PS-3PS	OD 139.7	
Uout 1PS-3PS	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

* = OPTIONS

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 47.4
CH-HP-LN-DS 1PS-3PS

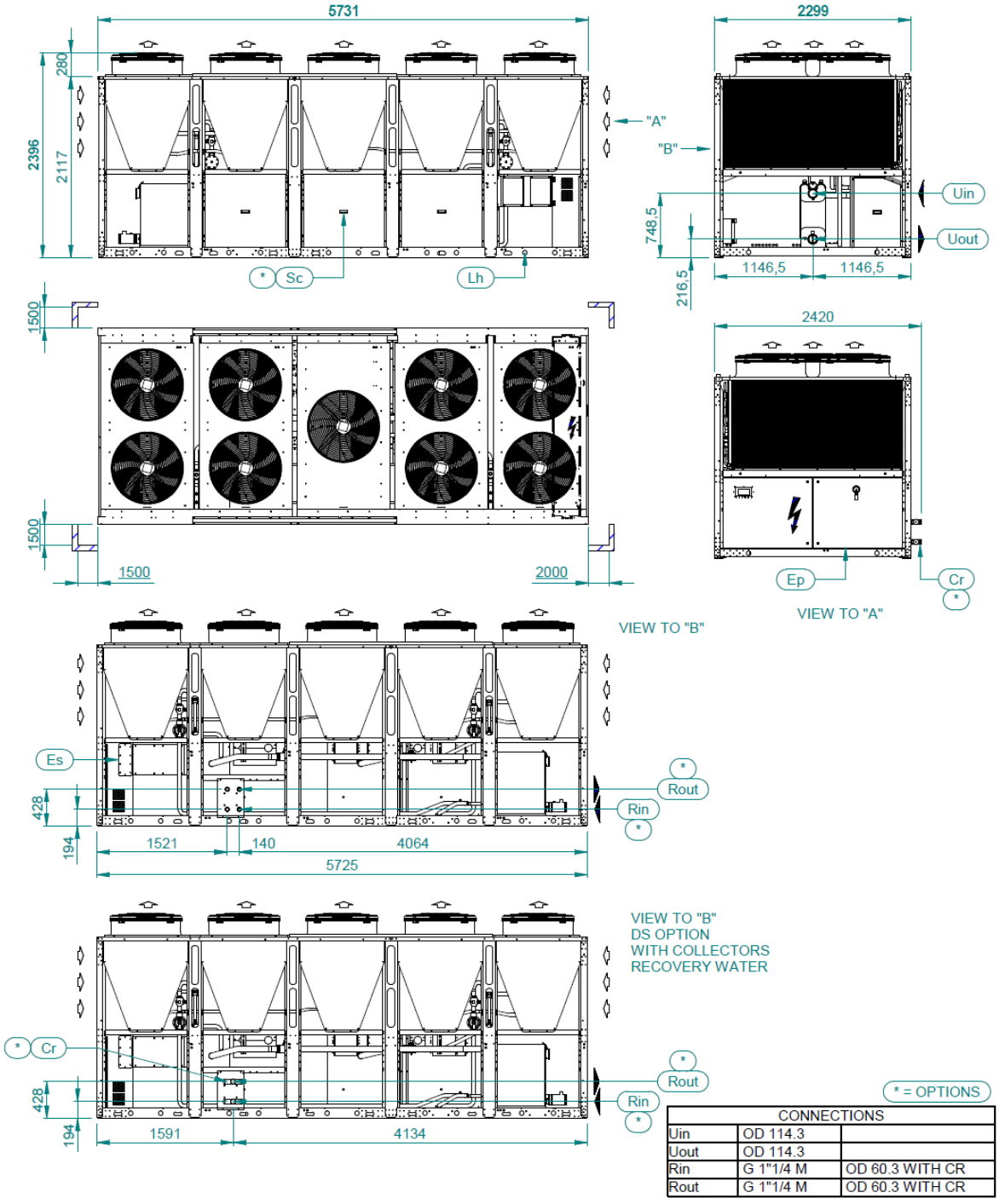


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 47.4 CH_1PS	2899	3464	420	389	444	479
TETRIS 2 A 47.4 CH_1PS_LN	3089	3654	425	396	485	521
TETRIS 2 A 47.4 HP_1PS	3353	3918	475	439	502	543
TETRIS 2 A 47.4 HP_1PS_LN	3547	4112	480	446	544	586
TETRIS 2 A 47.4 CH_1PS_DS	2925	3494	424	400	448	475
TETRIS 2 A 47.4 CH_1PS_DS_LN	3117	3686	429	407	490	517
TETRIS 2 A 47.4 HP_1PS_DS	3381	3950	479	450	507	539
TETRIS 2 A 47.4 HP_1PS_DS_LN	3571	4140	484	457	548	581
TETRIS 2 A 47.4 CH_3PS	2968	3538	436	393	446	494
TETRIS 2 A 47.4 CH_3PS_LN	3160	3730	441	400	487	537
TETRIS 2 A 47.4 HP_3PS	3424	3994	491	444	504	558
TETRIS 2 A 47.4 HP_3PS_LN	3614	4184	496	450	545	601
TETRIS 2 A 47.4 CH_3PS_DS	2994	3568	440	404	450	490
TETRIS 2 A 47.4 CH_3PS_DS_LN	3186	3760	445	411	491	533
TETRIS 2 A 47.4 HP_3PS_DS	3448	4022	495	454	508	554
TETRIS 2 A 47.4 HP_3PS_DS_LN	3642	4216	500	461	550	597
TETRIS 2 SLN 47.4 CH_1PS_LN	3089	3654	425	396	485	521
TETRIS 2 SLN 47.4 HP_1PS_LN	3547	4112	480	446	544	586
TETRIS 2 SLN 47.4 CH_1PS_DS_LN	3117	3686	429	407	490	517
TETRIS 2 SLN 47.4 HP_1PS_DS_LN	3571	4140	484	457	548	581
TETRIS 2 SLN 47.4 CH_3PS_LN	3160	3730	441	400	487	537
TETRIS 2 SLN 47.4 HP_3PS_LN	3614	4184	496	450	545	601
TETRIS 2 SLN 47.4 CH_3PS_DS_LN	3186	3760	445	411	491	533
TETRIS 2 SLN 47.4 HP_3PS_DS_LN	3642	4216	500	461	550	597

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 50.6

CH-HP-DS-LN

A4E773 - A

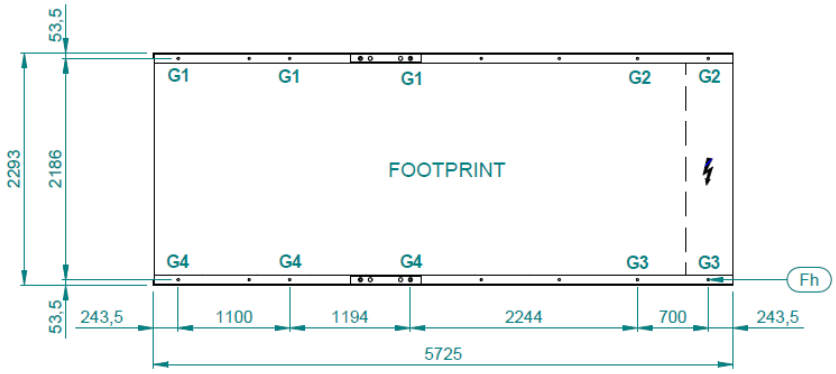


* = OPTIONS

CONNECTIONS		
Uin	OD 114.3	
Uout	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 50.6 CH-HP-DS-LN

A4E773 - A

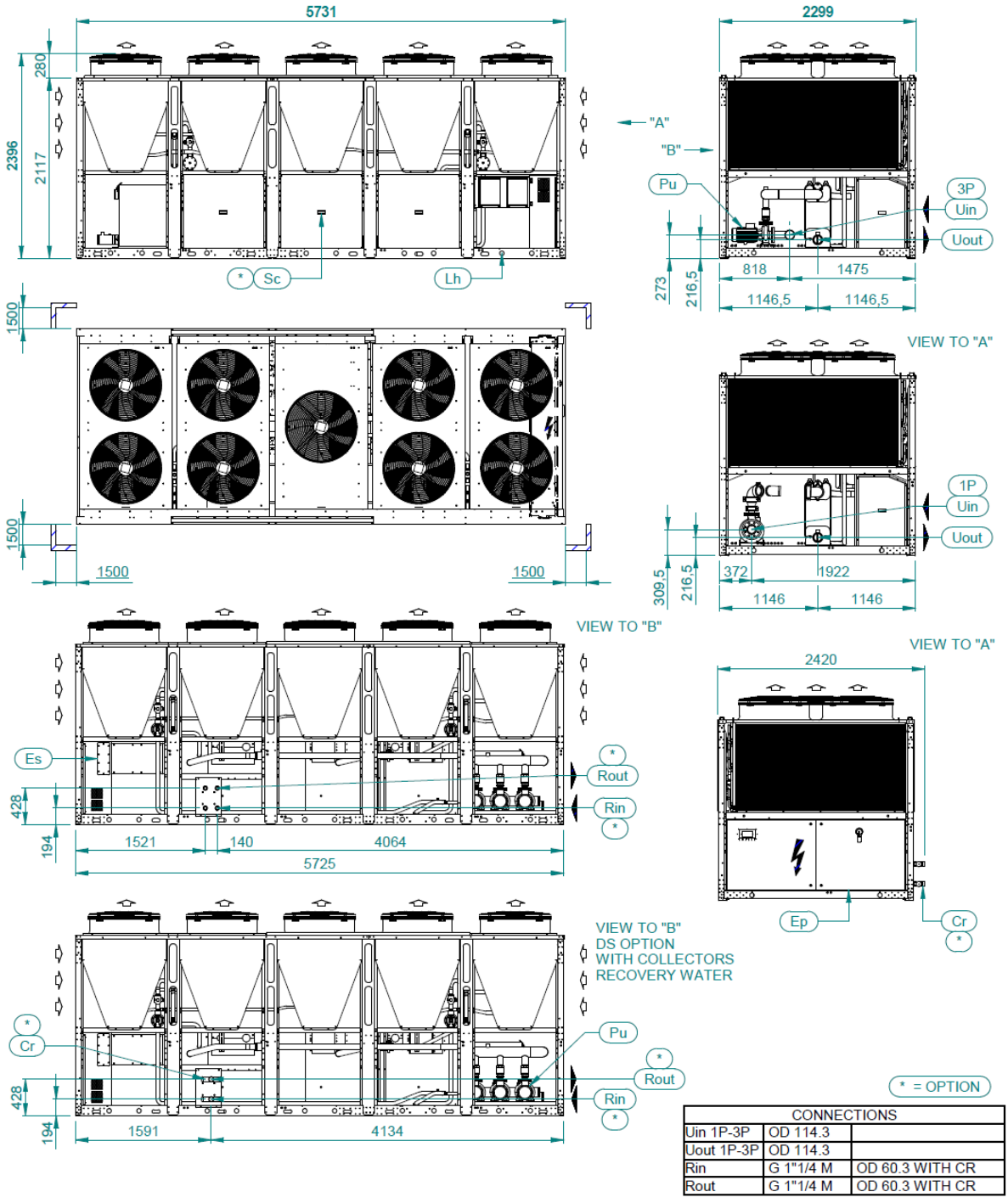


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 50.6 CH	3294	3351	243	246	429	424
TETRIS 2 A 50.6 CH_LN	3535	3592	249	251	471	467
TETRIS 2 A 50.6 HP	3840	3897	294	293	484	487
TETRIS 2 A 50.6 HP_LN	4080	4137	300	299	526	529
TETRIS 2 A 50.6 CH_DS	3320	3382	248	254	432	422
TETRIS 2 A 50.6 CH_DS_LN	3560	3622	254	260	474	464
TETRIS 2 A 50.6 HP_DS	3870	3932	300	302	488	484
TETRIS 2 A 50.6 HP_DS_LN	4111	4173	306	307	530	527
TETRIS 2 SLN 50.6 CH_LN	3535	3592	249	251	471	467
TETRIS 2 SLN 50.6 HP_LN	4080	4137	300	299	526	529
TETRIS 2 SLN 50.6 CH_DS_LN	3560	3622	254	260	474	464
TETRIS 2 SLN 50.6 HP_DS_LN	4111	4173	306	307	530	527

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 50.6

CH-HP-DS-LN 1P-3P

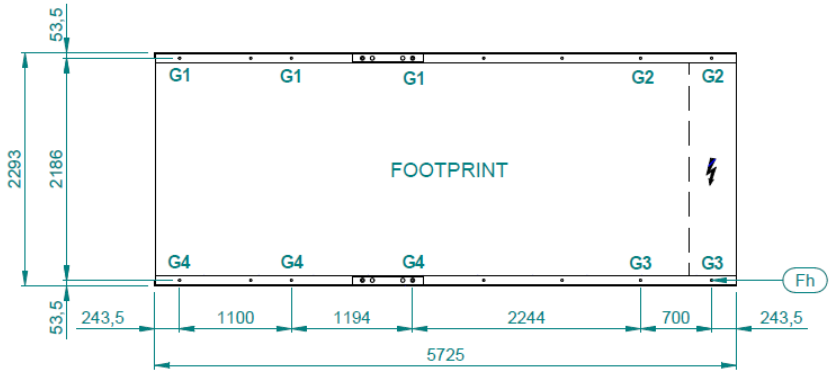
A4E776 - A



CONNECTIONS		
Uin 1P-3P	OD 114.3	
Uout 1P-3P	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 50.6 CH-HP-DS-LN 1P-3P

A4E776 - A

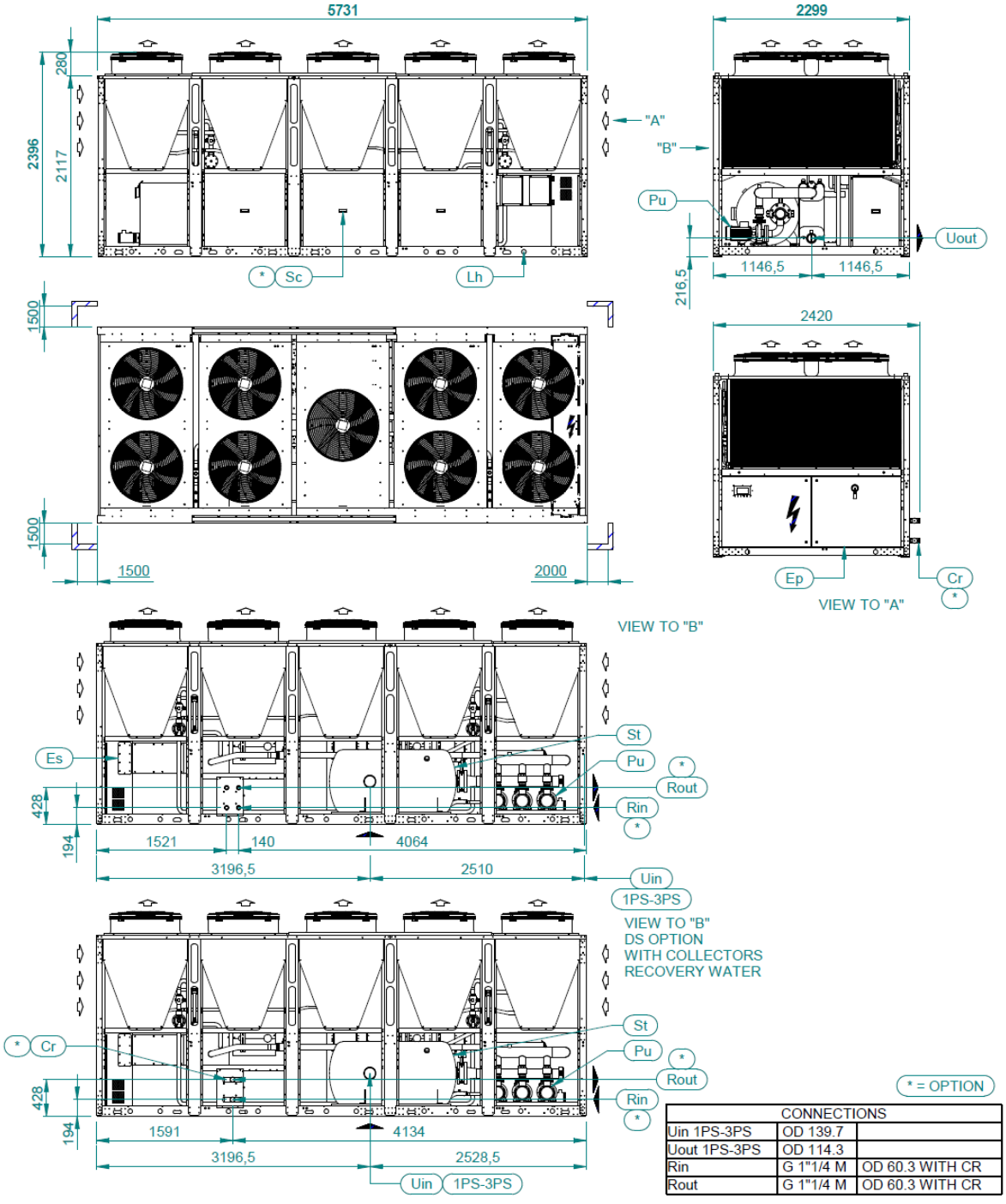


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 50.6 CH_1P	3416	3483	276	253	407	445
TETRIS 2 A 50.6 CH_1P_LN	3659	3726	282	259	449	488
TETRIS 2 A 50.6 HP_1P	3966	4033	328	300	464	507
TETRIS 2 A 50.6 HP_1P_LN	4207	4274	334	306	505	550
TETRIS 2 A 50.6 CH_1P_DS	3449	3521	282	262	411	443
TETRIS 2 A 50.6 CH_1P_DS_LN	3687	3759	287	268	452	486
TETRIS 2 A 50.6 HP_1P_DS	3992	4064	333	308	467	505
TETRIS 2 A 50.6 HP_1P_DS_LN	4237	4309	339	315	509	548
TETRIS 2 A 50.6 CH_3P	3493	3570	292	255	402	460
TETRIS 2 A 50.6 CH_3P_LN	3736	3813	298	262	443	503
TETRIS 2 A 50.6 HP_3P	4041	4118	344	302	458	522
TETRIS 2 A 50.6 HP_3P_LN	4309	4391	355	317	503	562
TETRIS 2 A 50.6 CH_3P_DS	3521	3603	298	264	405	457
TETRIS 2 A 50.6 CH_3P_DS_LN	3759	3841	303	270	446	500
TETRIS 2 A 50.6 HP_3P_DS	4068	4150	349	311	462	519
TETRIS 2 A 50.6 HP_3P_DS_LN	4309	4391	355	317	503	562
TETRIS 2 SLN 50.6 CH_1P_LN	3659	3726	282	259	449	488
TETRIS 2 SLN 50.6 HP_1P_LN	4207	4274	334	306	505	550
TETRIS 2 SLN 50.6 CH_1P_DS_LN	3687	3759	287	268	452	486
TETRIS 2 SLN 50.6 HP_1P_DS_LN	4237	4309	339	315	509	548
TETRIS 2 SLN 50.6 CH_3P_LN	3736	3813	298	262	443	503
TETRIS 2 SLN 50.6 HP_3P_LN	4281	4358	349	309	499	565
TETRIS 2 SLN 50.6 CH_3P_DS_LN	3759	3841	303	270	446	500
TETRIS 2 SLN 50.6 HP_3P_DS_LN	4309	4391	355	317	503	562

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 50.6

CH-HP-DS-LN 1PS-3PS

A4E777 - A

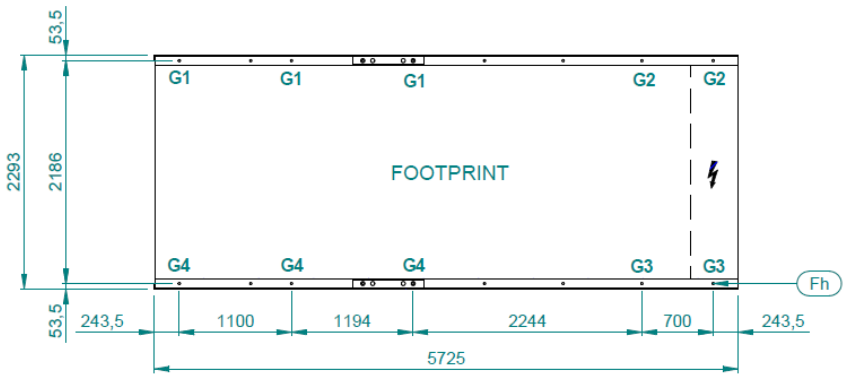


* = OPTION

CONNECTIONS		
Uin 1PS-3PS	OD 139.7	
Uout 1PS-3PS	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 50.6
CH-HP-DS-LN 1PS-3PS

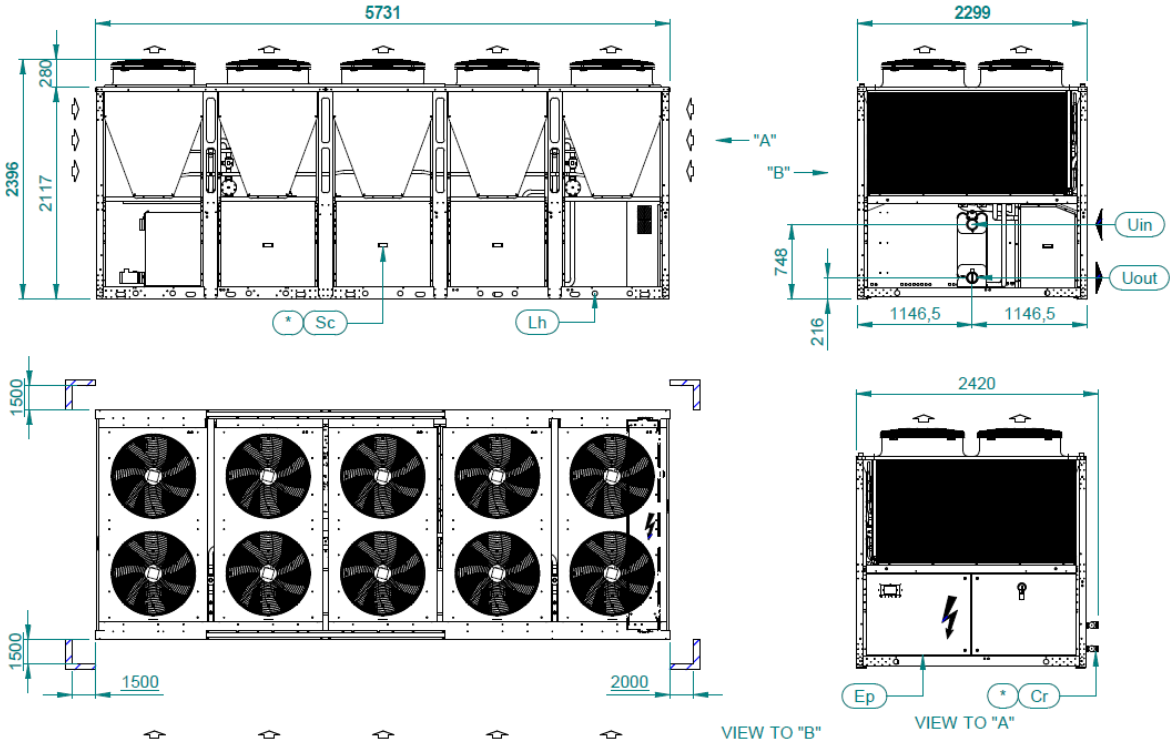
A4E777 - A

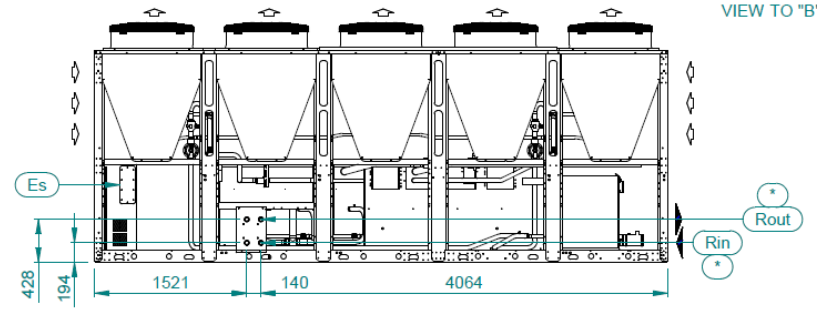


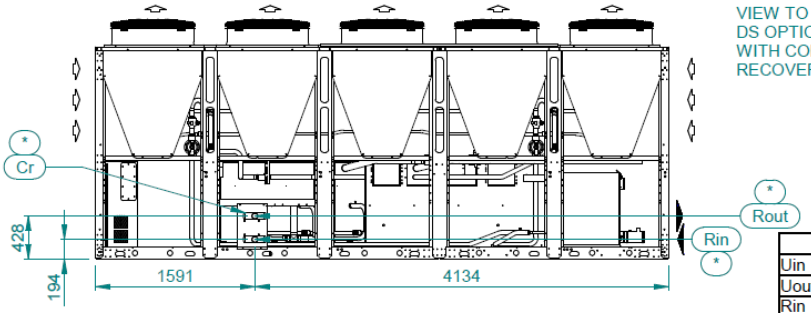
MODELLO	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 50.6 CH_1PS	3445	4147	394	320	408	503
TETRIS 2 A 50.6 CH_1PS_LN	3683	4385	399	327	448	546
TETRIS 2 A 50.6 HP_1PS	3995	4697	446	367	465	565
TETRIS 2 A 50.6 HP_1PS_LN	4230	4932	450	374	505	608
TETRIS 2 A 50.6 CH_1PS_DS	3472	4179	399	329	412	500
TETRIS 2 A 50.6 CH_1PS_DS_LN	3713	4420	404	336	452	544
TETRIS 2 A 50.6 HP_1PS_DS	4018	4725	451	375	468	562
TETRIS 2 A 50.6 HP_1PS_DS_LN	4263	4970	456	383	509	606
TETRIS 2 A 50.6 CH_3PS	3491	4198	402	320	408	512
TETRIS 2 A 50.6 CH_3PS_LN	3734	4441	407	328	448	556
TETRIS 2 A 50.6 HP_3PS	4039	4746	454	367	464	574
TETRIS 2 A 50.6 HP_3PS_LN	4310	5022	464	383	508	616
TETRIS 2 A 50.6 CH_3PS_DS	3524	4236	408	329	412	510
TETRIS 2 A 50.6 CH_3PS_DS_LN	3762	4474	412	336	452	554
TETRIS 2 A 50.6 HP_3PS_DS	4069	4781	459	376	468	572
TETRIS 2 A 50.6 HP_3PS_DS_LN	4310	5022	464	383	508	616
TETRIS 2 SLN 50.6 CH_1PS_LN	3683	4385	399	327	448	546
TETRIS 2 SLN 50.6 HP_1PS_LN	4230	4932	450	374	505	608
TETRIS 2 SLN 50.6 CH_1PS_DS_LN	3713	4420	404	336	452	544
TETRIS 2 SLN 50.6 HP_1PS_DS_LN	4263	4970	456	383	509	606
TETRIS 2 SLN 50.6 CH_3PS_LN	3734	4441	407	328	448	556
TETRIS 2 SLN 50.6 HP_3PS_LN	4280	4987	459	374	504	618
TETRIS 2 SLN 50.6 CH_3PS_DS_LN	3762	4474	412	336	452	554
TETRIS 2 SLN 50.6 HP_3PS_DS_LN	4310	5022	464	383	508	616

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 57.6
CH-HP-LN-DS

A4E778 - A





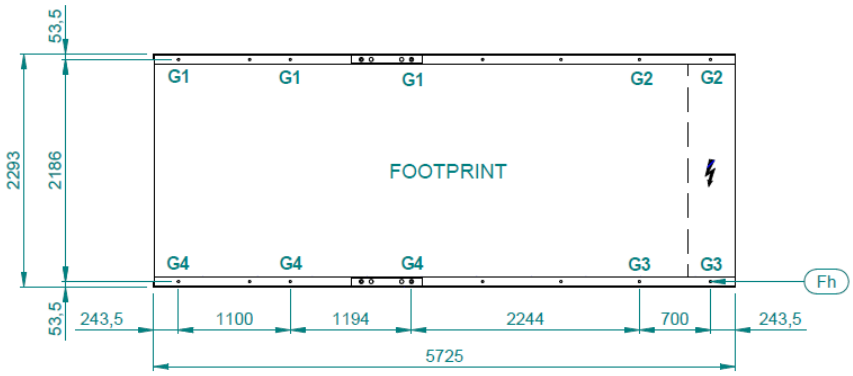


* = OPTIONS

CONNECTIONS		
Uin	OD 114.3	
Uout	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 57.6
CH-HP-LN-DS

A4E778 - A

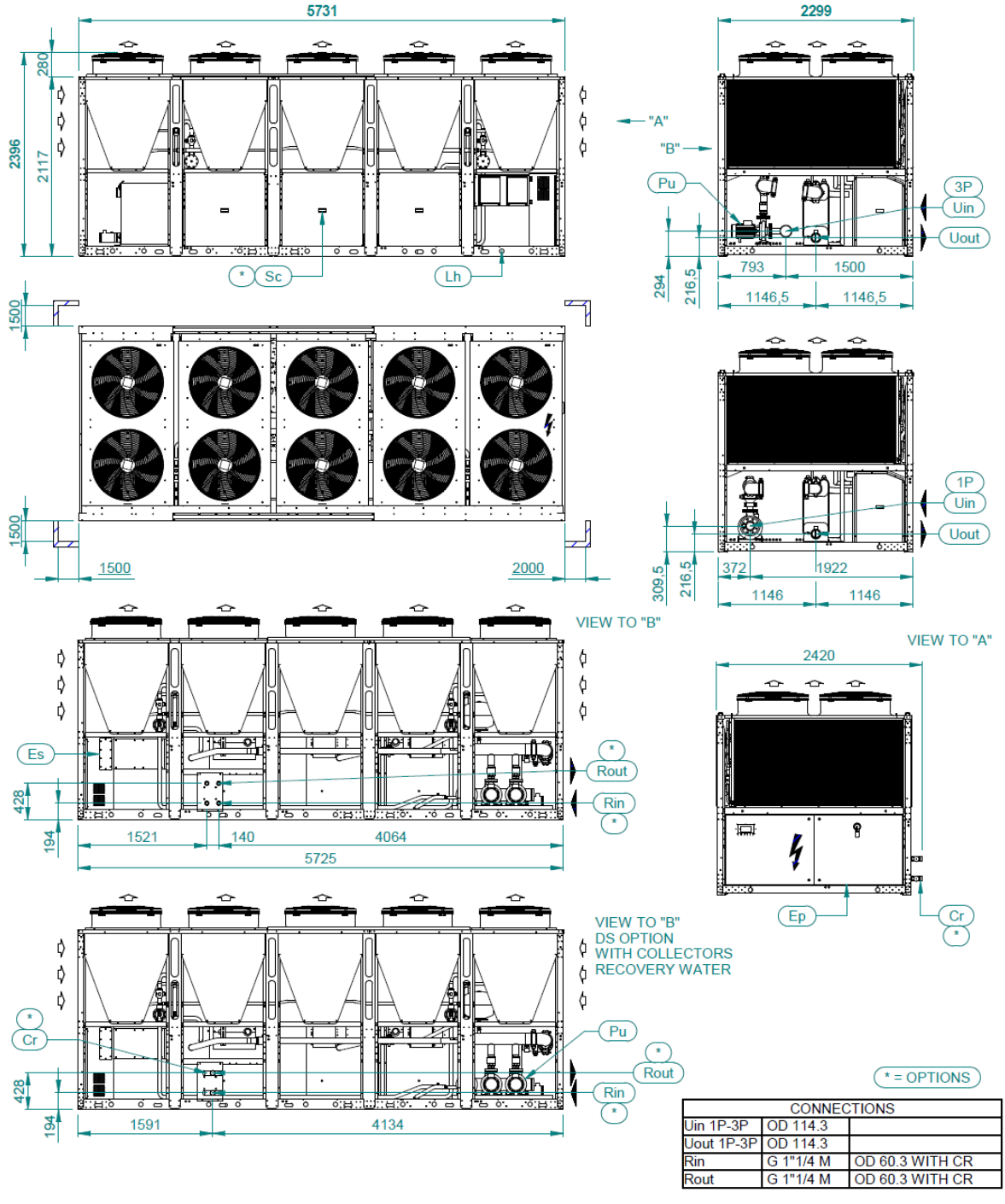


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 57.6 CH	3320	3377	246	248	431	427
TETRIS 2 A 57.6 CH_LN	3557	3614	251	254	473	469
TETRIS 2 A 57.6 HP	3905	3962	301	296	488	497
TETRIS 2 A 57.6 HP_LN	4141	4198	307	301	529	539
TETRIS 2 A 57.6 CH_DS	3347	3409	251	257	435	424
TETRIS 2 A 57.6 CH_DS_LN	3588	3650	257	262	477	467
TETRIS 2 A 57.6 HP_DS	3934	3996	307	304	491	495
TETRIS 2 A 57.6 HP_DS_LN	4171	4233	312	310	533	537
TETRIS 2 SLN 57.6 CH_LN	3557	3614	251	254	473	469
TETRIS 2 SLN 57.6 HP_LN	4141	4198	307	301	529	539
TETRIS 2 SLN 57.6 CH_DS_LN	3588	3650	257	262	477	467
TETRIS 2 SLN 57.6 HP_DS_LN	4171	4233	312	310	533	537

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 57.6

CH-HP-DS-LN 1P-3P

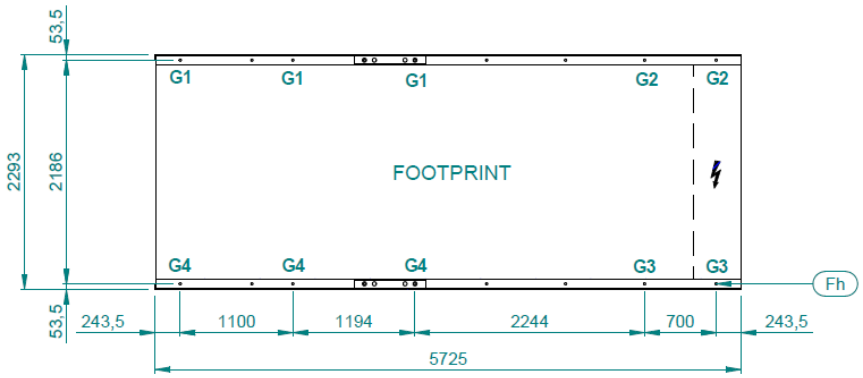
A4E779 - A



CONNECTIONS		
Uin 1P-3P	OD 114.3	
Uout 1P-3P	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 57.6
CH-HP-DS-LN 1P-3P

A4E779 - A

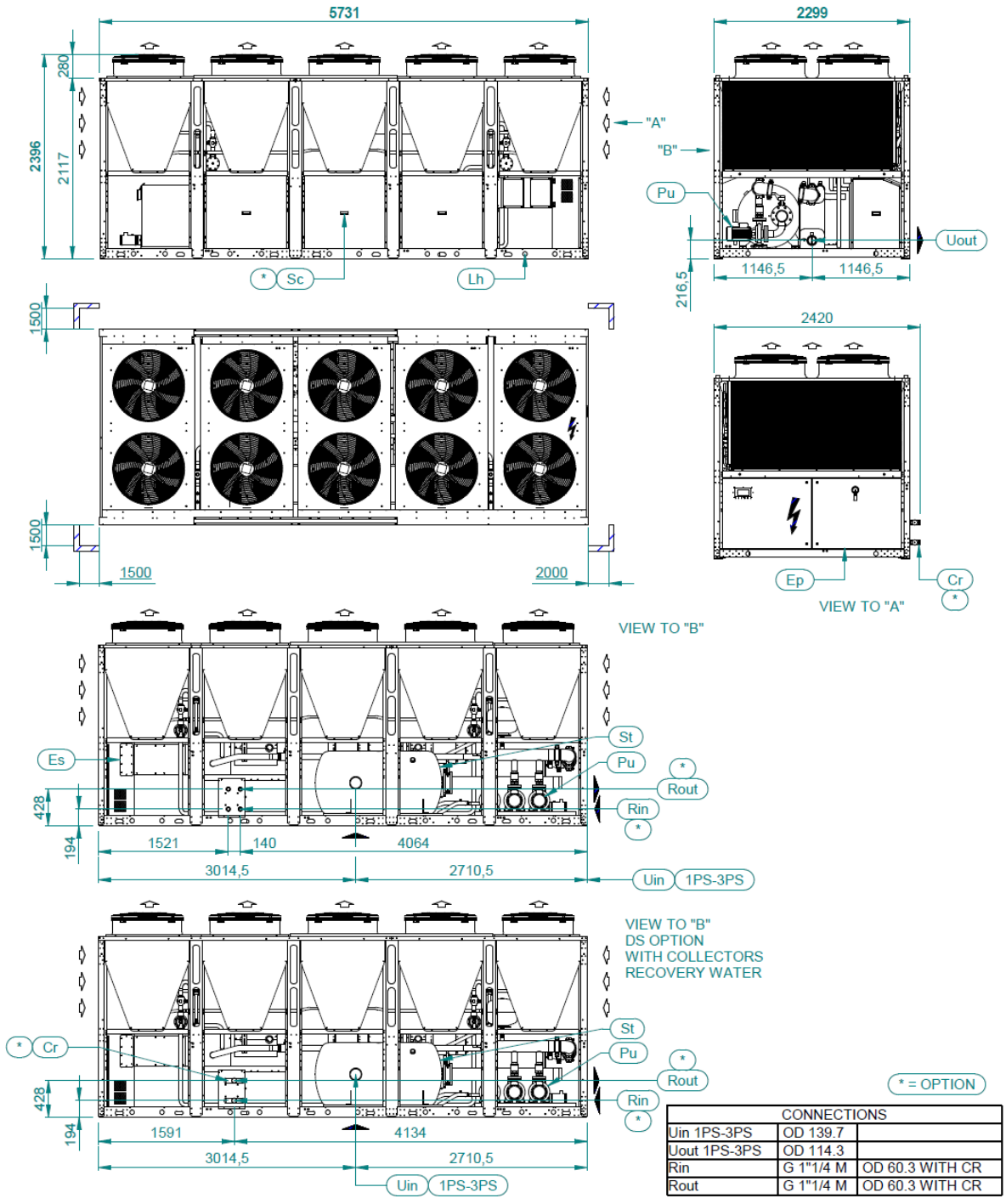


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 57.6 CH_1P	3464	3531	284	256	407	451
TETRIS 2 A 57.6 CH_1P_LN	3704	3771	289	263	448	494
TETRIS 2 A 57.6 HP_1P	4050	4117	340	303	464	521
TETRIS 2 A 57.6 HP_1P_LN	4290	4357	345	310	505	564
TETRIS 2 A 57.6 CH_1P_DS	3491	3563	289	265	411	448
TETRIS 2 A 57.6 CH_1P_DS_LN	3732	3804	295	271	452	491
TETRIS 2 A 57.6 HP_1P_DS	4077	4149	345	312	468	518
TETRIS 2 A 57.6 HP_1P_DS_LN	4318	4390	351	318	509	561
TETRIS 2 A 57.6 CH_3P	3535	3612	299	260	403	463
TETRIS 2 A 57.6 CH_3P_LN	3775	3852	304	267	444	506
TETRIS 2 A 57.6 HP_3P	4121	4198	355	307	460	533
TETRIS 2 A 57.6 HP_3P_LN	4389	4471	366	322	505	573
TETRIS 2 A 57.6 CH_3P_DS	3560	3642	304	269	406	460
TETRIS 2 A 57.6 CH_3P_DS_LN	3798	3880	309	275	447	503
TETRIS 2 A 57.6 HP_3P_DS	4146	4228	360	315	464	530
TETRIS 2 A 57.6 HP_3P_DS_LN	4389	4471	366	322	505	573
TETRIS 2 SLN 57.6 CH_1P_LN	3704	3771	289	263	448	494
TETRIS 2 SLN 57.6 HP_1P_LN	4290	4357	345	310	505	564
TETRIS 2 SLN 57.6 CH_1P_DS_LN	3732	3804	295	271	452	491
TETRIS 2 SLN 57.6 HP_1P_DS_LN	4318	4390	351	318	509	561
TETRIS 2 SLN 57.6 CH_3P_LN	3775	3852	304	267	444	506
TETRIS 2 SLN 57.6 HP_3P_LN	4359	4436	360	313	501	576
TETRIS 2 SLN 57.6 CH_3P_DS_LN	3798	3880	309	275	447	503
TETRIS 2 SLN 57.6 HP_3P_DS_LN	4389	4471	366	322	505	573

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 57.6

A4E780 - A

CH-HP-DS-LN 1PS-3PS

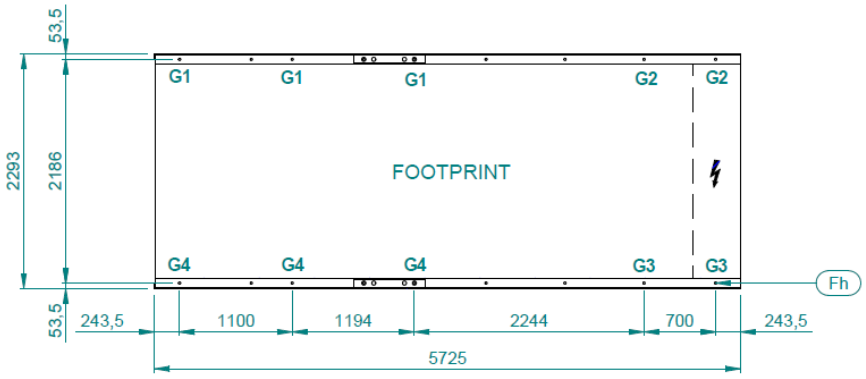


* = OPTION

CONNECTIONS		
Uin 1PS-3PS	OD 139.7	
Uout 1PS-3PS	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 57.6
CH-HP-DS-LN 1PS-3PS

A4E780 - A

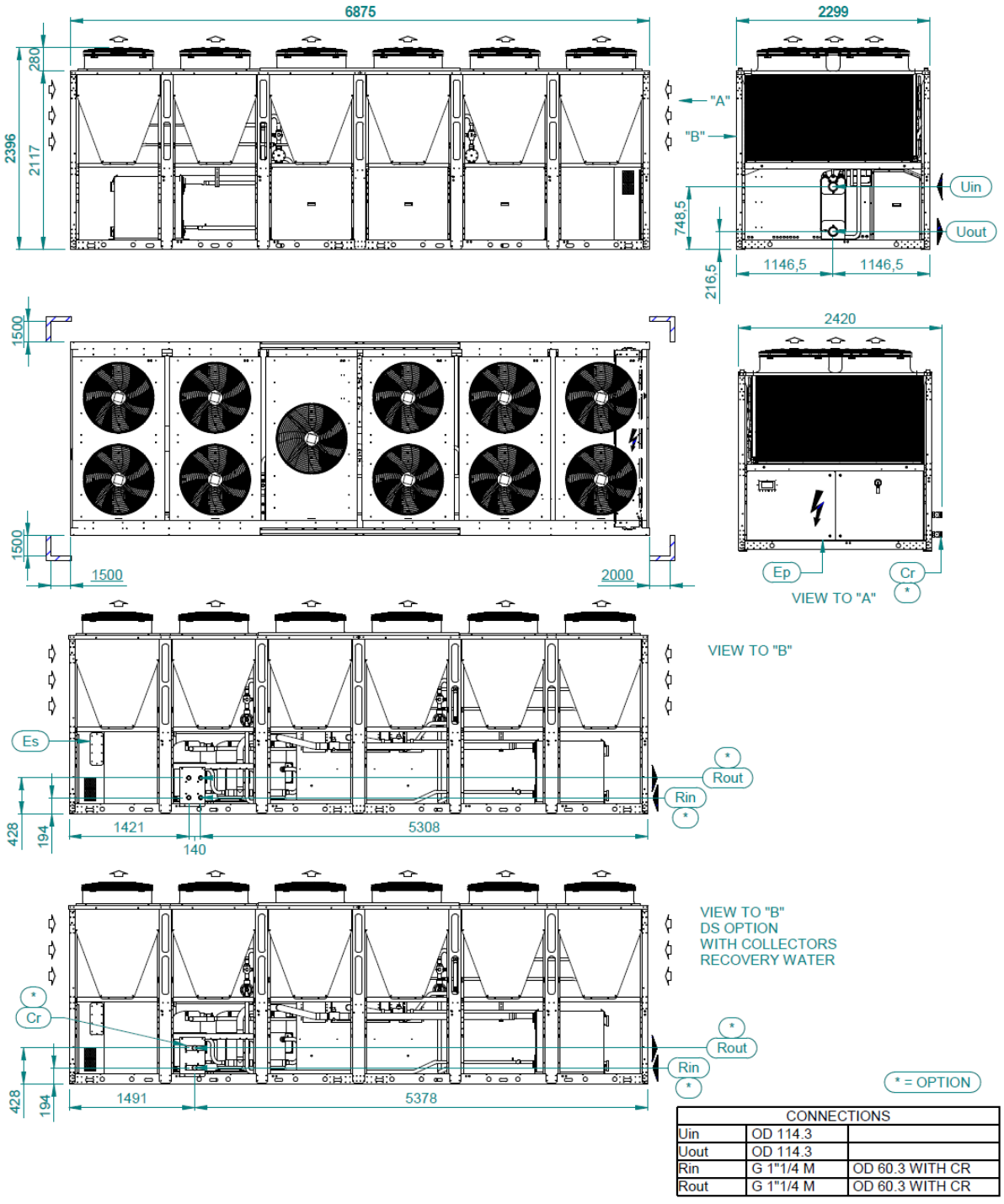


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 57.6 CH_1PS	3636	4213	396	340	427	497
TETRIS 2 A 57.6 CH_1PS_LN	3874	4451	401	347	467	540
TETRIS 2 A 57.6 HP_1PS	4219	4796	452	387	484	566
TETRIS 2 A 57.6 HP_1PS_LN	4459	5036	457	394	525	609
TETRIS 2 A 57.6 CH_1PS_DS	3661	4243	401	349	430	494
TETRIS 2 A 57.6 CH_1PS_DS_LN	3904	4486	406	356	471	538
TETRIS 2 A 57.6 HP_1PS_DS	4249	4831	457	396	488	564
TETRIS 2 A 57.6 HP_1PS_DS_LN	4485	5067	462	402	528	607
TETRIS 2 A 57.6 CH_3PS	3670	4247	399	342	430	502
TETRIS 2 A 57.6 CH_3PS_LN	3908	4485	404	349	470	545
TETRIS 2 A 57.6 HP_3PS	4251	4828	455	388	487	571
TETRIS 2 A 57.6 HP_3PS_LN	4524	5106	466	404	532	612
TETRIS 2 A 57.6 CH_3PS_DS	3698	4280	404	351	433	500
TETRIS 2 A 57.6 CH_3PS_DS_LN	3936	4518	409	357	474	543
TETRIS 2 A 57.6 HP_3PS_DS	4281	4863	460	397	491	569
TETRIS 2 A 57.6 HP_3PS_DS_LN	4524	5106	466	404	532	612
TETRIS 2 SLN 57.6 CH_1PS_LN	3874	4451	401	347	467	540
TETRIS 2 SLN 57.6 HP_1PS_LN	4459	5036	457	394	525	609
TETRIS 2 SLN 57.6 CH_1PS_DS_LN	3904	4486	406	356	471	538
TETRIS 2 SLN 57.6 HP_1PS_DS_LN	4485	5067	462	402	528	607
TETRIS 2 SLN 57.6 CH_3PS_LN	3908	4485	404	349	470	545
TETRIS 2 SLN 57.6 HP_3PS_LN	4494	5071	460	395	528	615
TETRIS 2 SLN 57.6 CH_3PS_DS_LN	3936	4518	409	357	474	543
TETRIS 2 SLN 57.6 HP_3PS_DS_LN	4524	5106	466	404	532	612

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 64.6

CH-HP-DS-LN

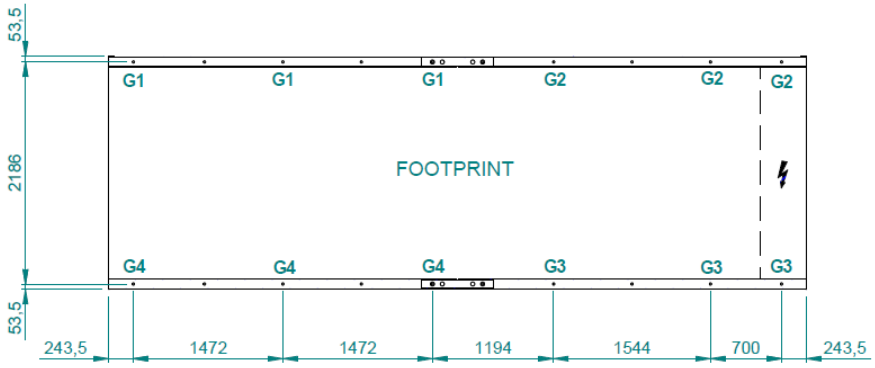
A4E781 - A



CONNECTIONS		
Uin	OD 114.3	
Uout	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 64.6 CH-HP-DS-LN

A4E781 - A



MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 64.6 CH	3649	3714	237	227	378	396
TETRIS 2 A 64.6 CH_LN	3889	3954	239	234	418	427
TETRIS 2 A 64.6 HP	4300	4365	286	262	434	473
TETRIS 2 A 64.6 HP_LN	4540	4605	288	270	473	504
TETRIS 2 A 64.6 CH_DS	3685	3756	242	236	382	392
TETRIS 2 A 64.6 CH_DS_LN	3925	3996	244	243	422	423
TETRIS 2 A 64.6 HP_DS	4336	4407	291	271	438	469
TETRIS 2 A 64.6 HP_DS_LN	4576	4647	293	279	477	500
TETRIS 2 SLN 64.6 CH_LN	3889	3954	239	234	418	427
TETRIS 2 SLN 64.6 HP_LN	4540	4605	288	270	473	504
TETRIS 2 SLN 64.6 CH_DS_LN	3925	3996	244	243	422	423
TETRIS 2 SLN 64.6 HP_DS_LN	4576	4647	293	279	477	500

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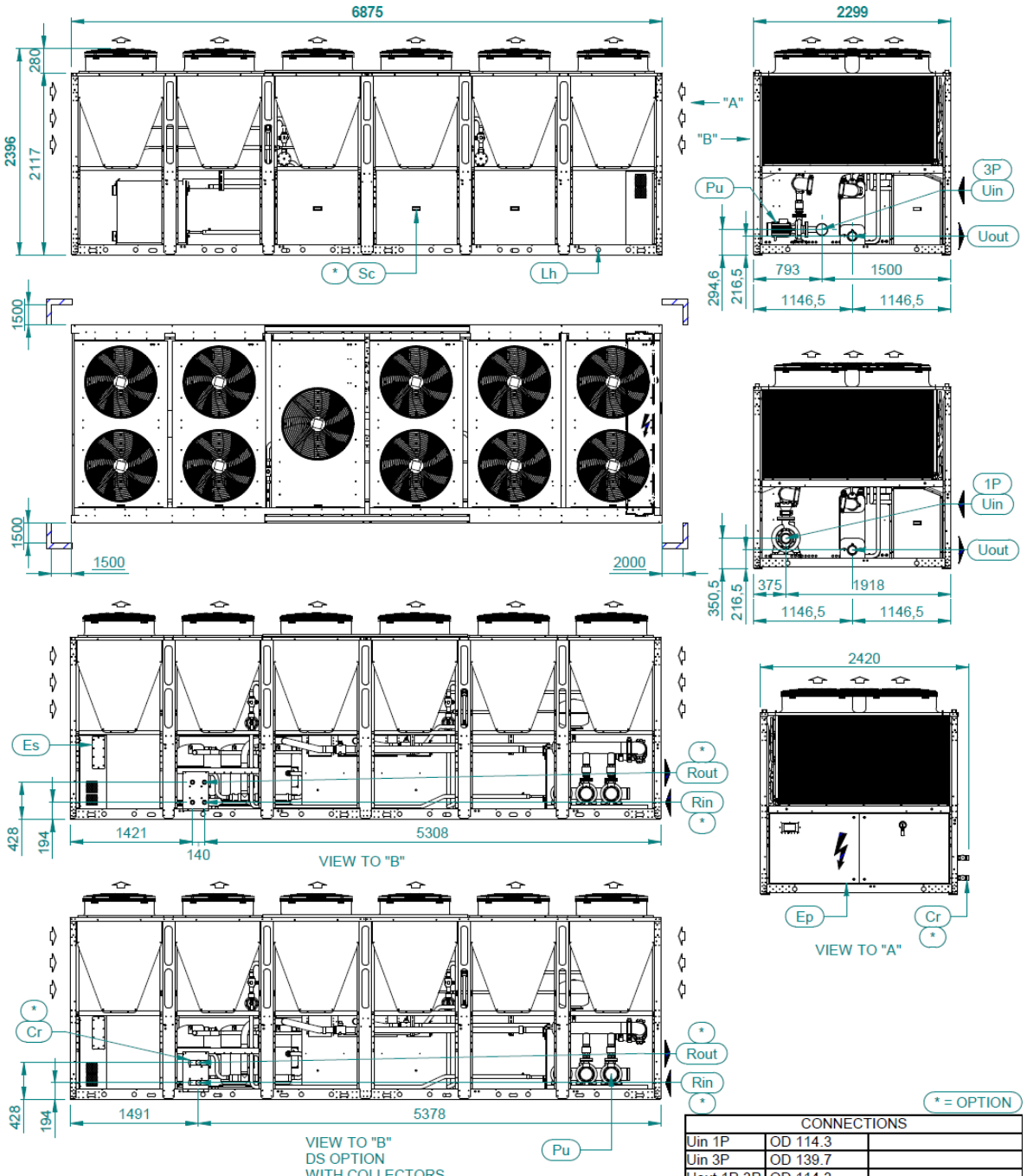
Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 64.6

A4E782 - A

CH-HP-DS-LN 1P-3P

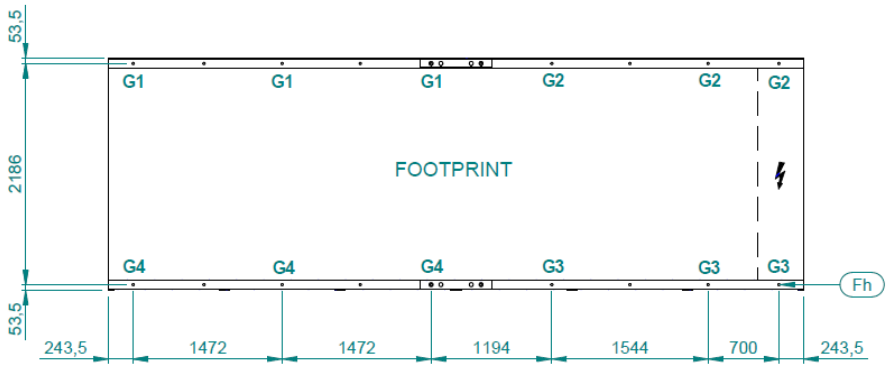


* = OPTION

CONNECTIONS		
Uin 1P	OD 114.3	
Uin 3P	OD 139.7	
Uout 1P-3P	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 64.6
CH-HP-DS-LN 1P-3P

A4E782 - A



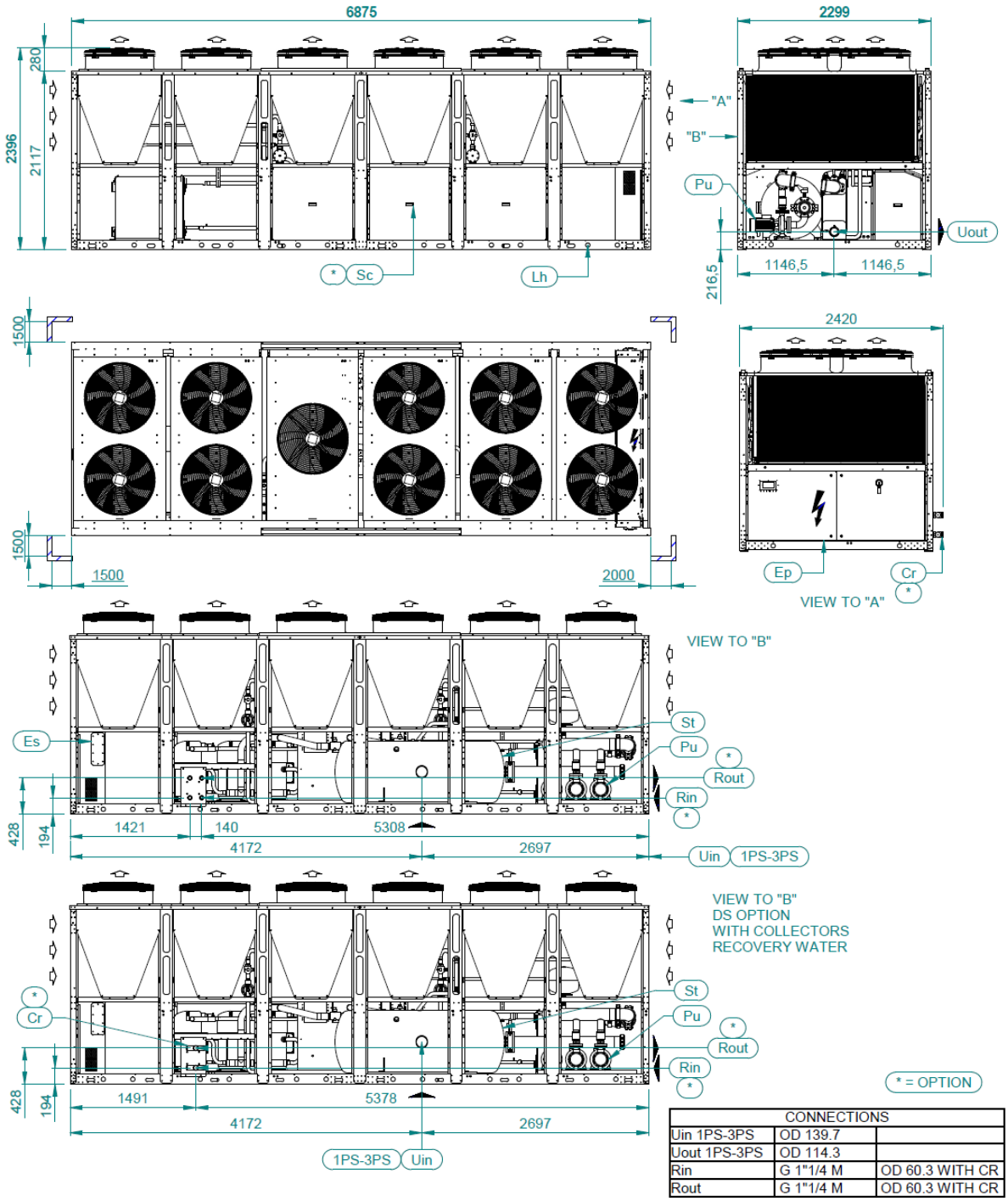
MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 64.6 CH_1P	3825	3900	284	233	353	430
TETRIS 2 A 64.6 CH_1P_LN	4074	4149	286	242	392	463
TETRIS 2 A 64.6 HP_1P	4479	4554	333	269	409	507
TETRIS 2 A 64.6 HP_1P_LN	4716	4791	334	277	447	539
TETRIS 2 A 64.6 CH_1P_DS	3867	3948	289	242	358	427
TETRIS 2 A 64.6 CH_1P_DS_LN	4107	4188	290	251	396	459
TETRIS 2 A 64.6 HP_1P_DS	4515	4596	338	278	413	503
TETRIS 2 A 64.6 HP_1P_DS_LN	4752	4833	339	286	451	535
TETRIS 2 A 64.6 CH_3P	4105	4185	290	243	392	470
TETRIS 2 A 64.6 CH_3P_LN	4570	4650	334	277	426	513
TETRIS 2 A 64.6 HP_3P	4045	4125	295	235	375	470
TETRIS 2 A 64.6 HP_3P_LN	4753	4833	339	278	448	546
TETRIS 2 A 64.6 CH_3P_DS	3898	3984	294	243	358	433
TETRIS 2 A 64.6 CH_3P_DS_LN	4141	4227	295	252	396	466
TETRIS 2 A 64.6 HP_3P_DS	4552	4638	343	279	414	510
TETRIS 2 A 64.6 HP_3P_DS_LN	4789	4875	344	287	452	542
TETRIS 2 SLN 64.6 CH_1P_LN	4074	4149	286	242	392	463
TETRIS 2 SLN 64.6 HP_1P_LN	4716	4791	334	277	447	539
TETRIS 2 SLN 64.6 CH_1P_DS_LN	4107	4188	290	251	396	459
TETRIS 2 SLN 64.6 HP_1P_DS_LN	4752	4833	339	286	451	535
TETRIS 2 SLN 64.6 CH_3P_LN	4105	4185	290	243	392	470
TETRIS 2 SLN 64.6 HP_3P_LN	4753	4833	339	278	448	546
TETRIS 2 SLN 64.6 CH_3P_DS_LN	4141	4227	295	252	396	466
TETRIS 2 SLN 64.6 HP_3P_DS_LN	4789	4875	344	287	452	542

WESTERN AIRCONDITIONING™

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 64.6

A4E783 - A

CH-HP-DS-LN 1PS-3PS

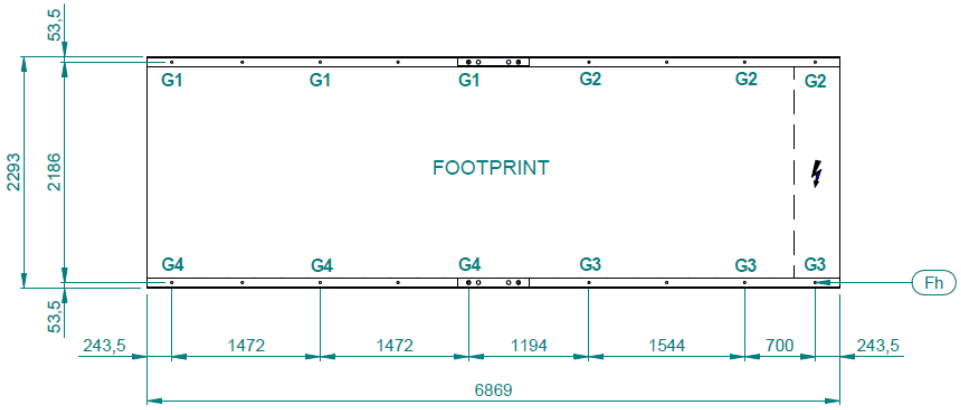


* = OPTION

CONNECTIONS		
Uin 1PS-3PS	OD 139.7	
Uout 1PS-3PS	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 64.6
CH-HP-DS-LN 1PS-3PS

A4E783 - A

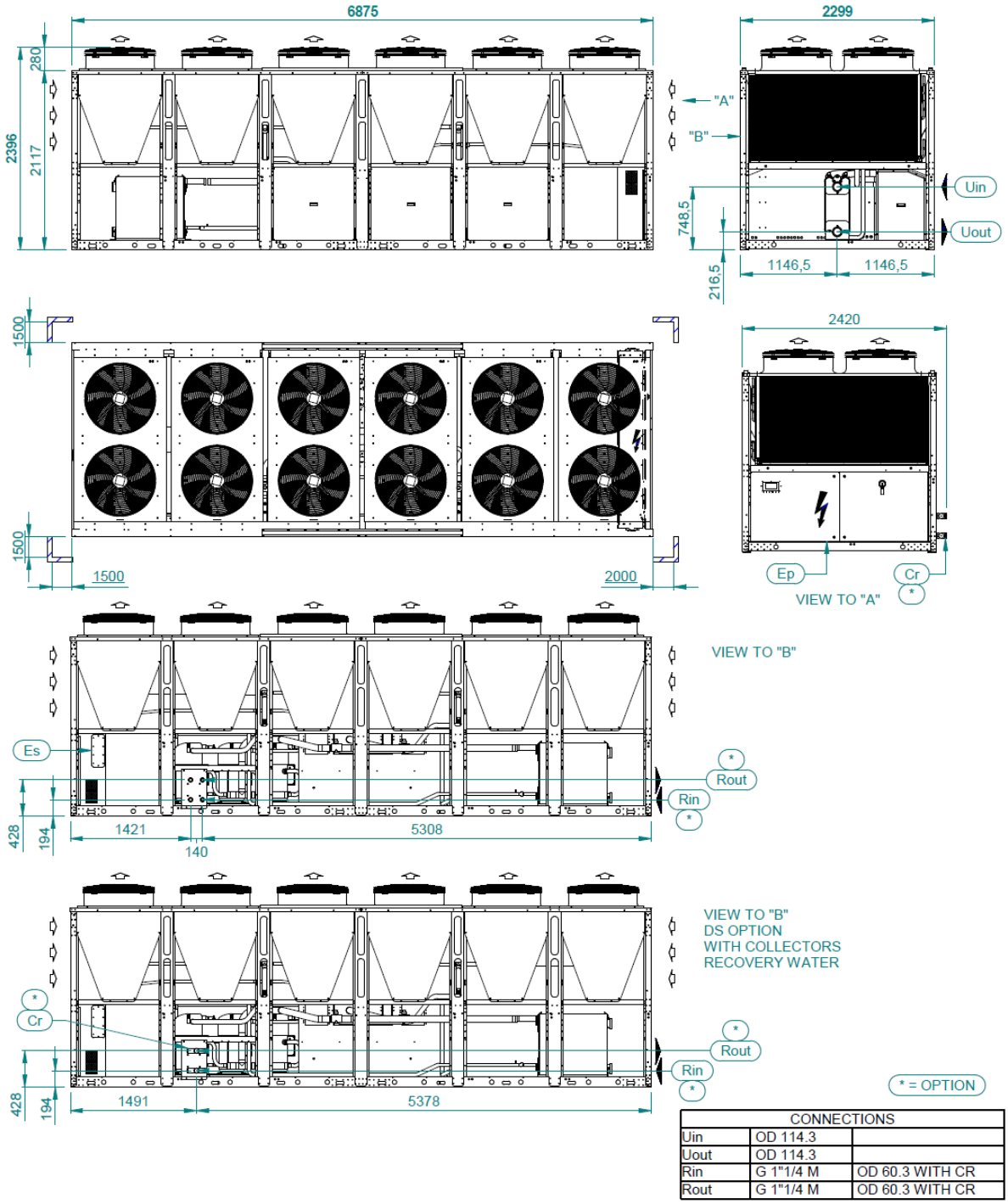


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 64.6 CH_1PS	4039	4824	441	302	352	513
TETRIS 2 A 64.6 CH_1PS_LN	4279	5064	440	313	388	547
TETRIS 2 A 64.6 HP_1PS	4684	5469	489	338	407	589
TETRIS 2 A 64.6 HP_1PS_LN	4927	5712	489	348	444	623
TETRIS 2 A 64.6 CH_1PS_DS	4078	4869	446	312	356	509
TETRIS 2 A 64.6 CH_1PS_DS_LN	4315	5106	445	322	392	543
TETRIS 2 A 64.6 HP_1PS_DS	4723	5514	494	347	411	586
TETRIS 2 A 64.6 HP_1PS_DS_LN	4963	5754	494	357	448	619
TETRIS 2 A 64.6 CH_3PS	4296	5076	437	313	393	549
TETRIS 2 A 64.6 CH_3PS_LN	4758	5538	480	347	427	592
TETRIS 2 A 64.6 HP_3PS	4236	5016	442	305	377	548
TETRIS 2 A 64.6 HP_3PS_LN	4944	5724	486	348	449	625
TETRIS 2 A 64.6 CH_3PS_DS	4089	4875	442	312	360	511
TETRIS 2 A 64.6 CH_3PS_DS_LN	4332	5118	442	322	397	545
TETRIS 2 A 64.6 HP_3PS_DS	4740	5526	491	347	416	588
TETRIS 2 A 64.6 HP_3PS_DS_LN	4977	5763	490	357	453	621
TETRIS 2 SLN 64.6 CH_1PS_LN	4279	5064	440	313	388	547
TETRIS 2 SLN 64.6 HP_1PS_LN	4927	5712	489	348	444	623
TETRIS 2 SLN 64.6 CH_1PS_DS_LN	4315	5106	445	322	392	543
TETRIS 2 SLN 64.6 HP_1PS_DS_LN	4963	5754	494	357	448	619
TETRIS 2 SLN 64.6 CH_3PS_LN	4296	5076	437	313	393	549
TETRIS 2 SLN 64.6 HP_3PS_LN	4944	5724	486	348	449	625
TETRIS 2 SLN 64.6 CH_3PS_DS_LN	4332	5118	442	322	397	545
TETRIS 2 SLN 64.6 HP_3PS_DS_LN	4977	5763	490	357	453	621

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 70.6

CH-HP-DS-LN

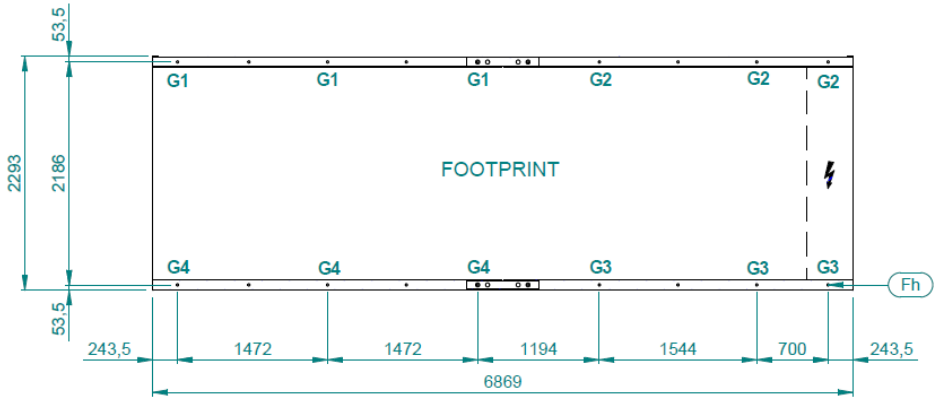
A4E784 - A



CONNECTIONS		
Uin	OD 114.3	
Uout	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 70.6
CH-HP-DS-LN

A4E784 - A



MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 70.6 CH	3712	3777	241	228	384	406
TETRIS 2 A 70.6 CH_LN	3955	4020	243	236	424	437
TETRIS 2 A 70.6 HP	4378	4443	291	265	440	485
TETRIS 2 A 70.6 HP_LN	4615	4680	293	272	479	516
TETRIS 2 A 70.6 CH_DS	3748	3819	246	237	388	402
TETRIS 2 A 70.6 CH_DS_LN	3994	4065	248	245	428	434
TETRIS 2 A 70.6 HP_DS	4414	4485	296	274	444	481
TETRIS 2 A 70.6 HP_DS_LN	4651	4722	298	281	483	512
TETRIS 2 SLN 70.6 CH_LN	3955	4020	243	236	424	437
TETRIS 2 SLN 70.6 HP_LN	4615	4680	293	272	479	516
TETRIS 2 SLN 70.6 CH_DS_LN	3994	4065	248	245	428	434
TETRIS 2 SLN 70.6 HP_DS_LN	4651	4722	298	281	483	512

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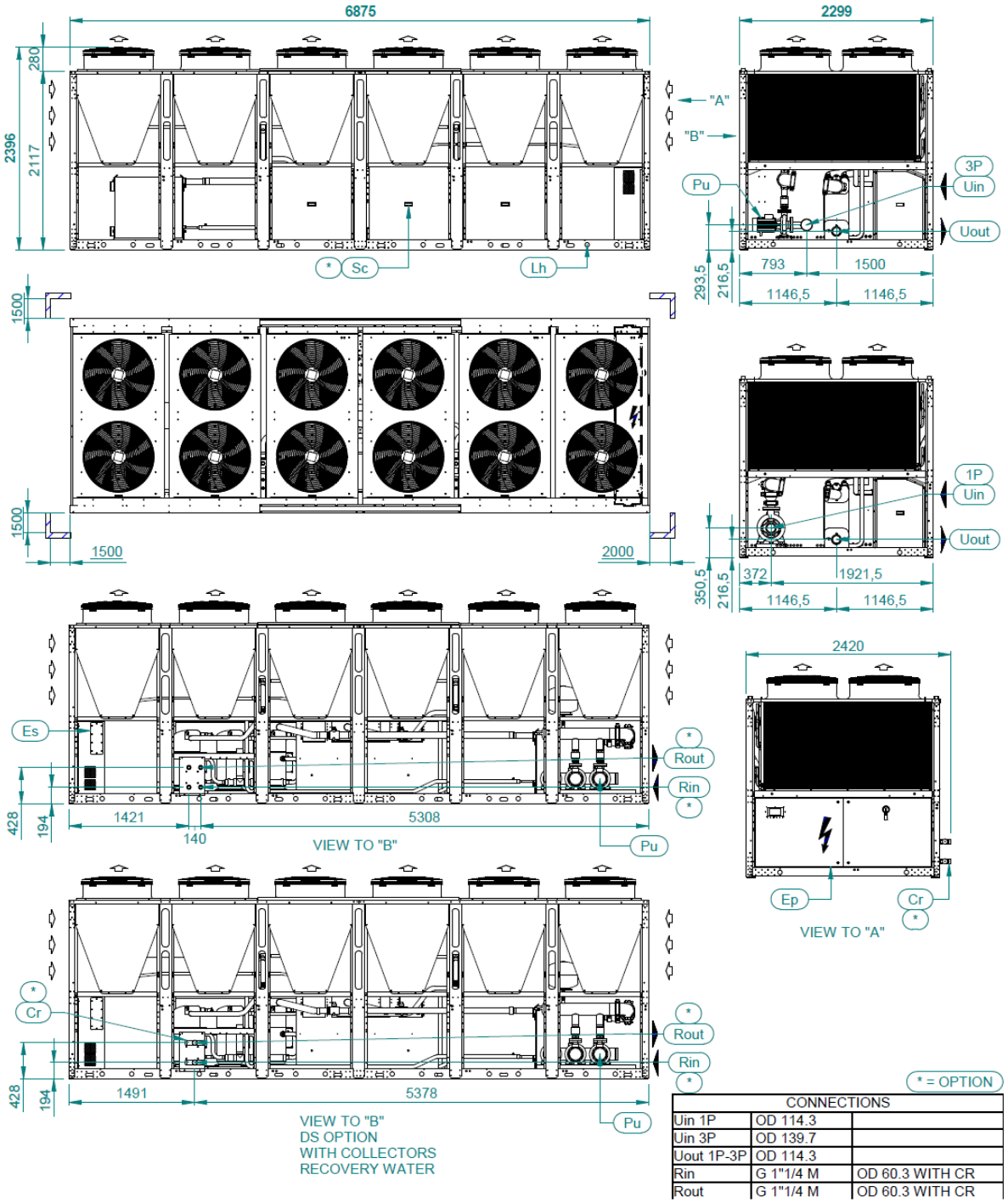
Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 70.6

A4E785 - A

CH-HP-DS-LN 1P-3P

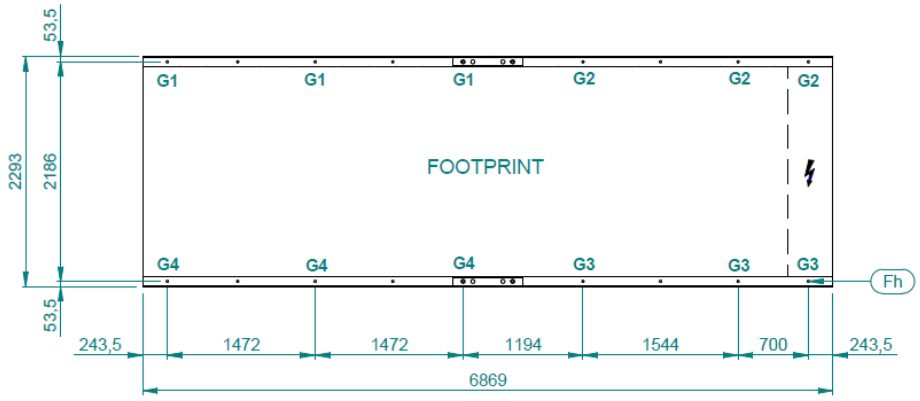


* = OPTION

CONNECTIONS		
Uin 1P	OD 114.3	
Uin 3P	OD 139.7	
Uout 1P-3P	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 70.6
CH-HP-DS-LN 1P-3P

A4E785 - A

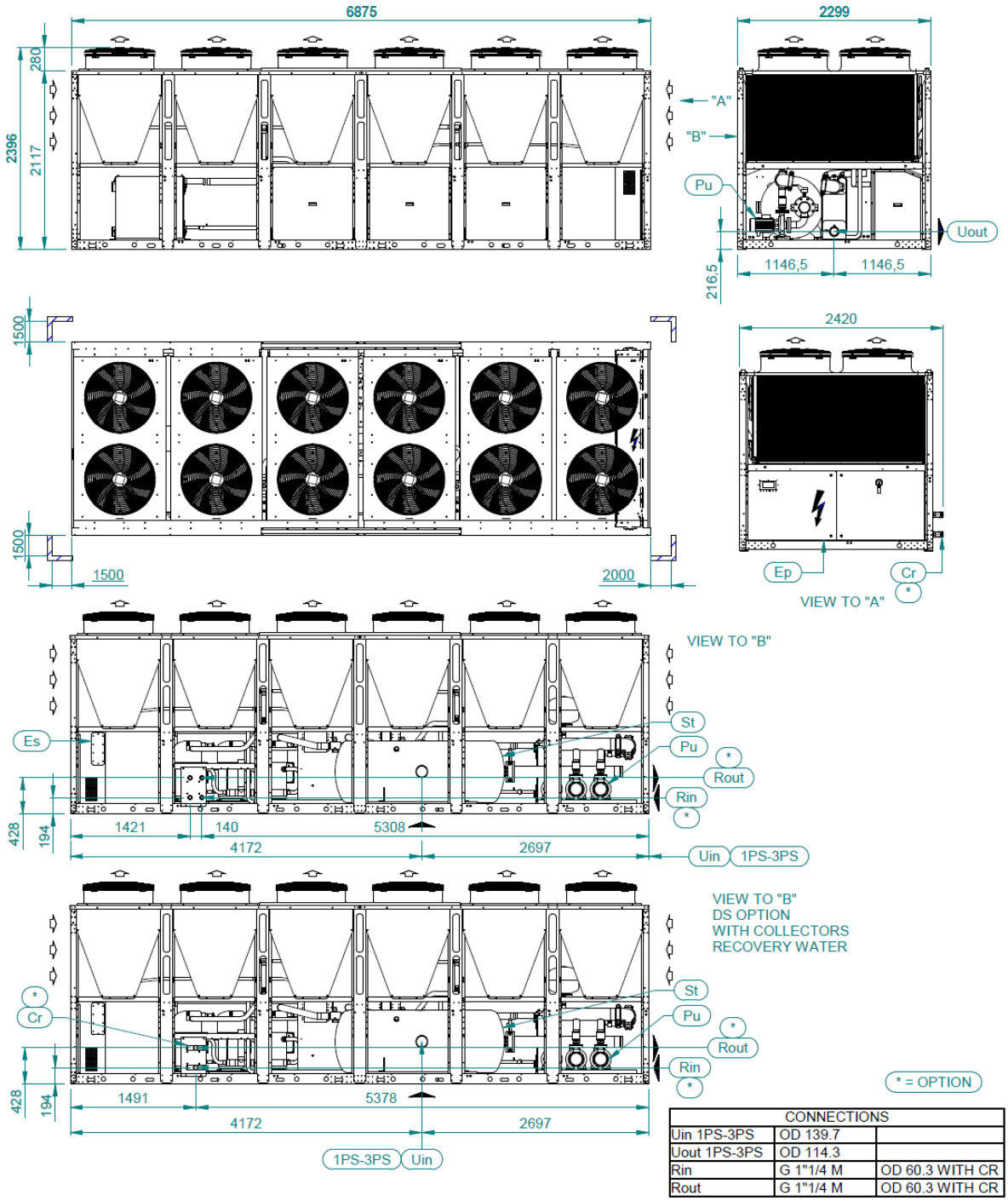


MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 70.6 CH_1P	3894	3969	288	235	359	441
TETRIS 2 A 70.6 CH_1P_LN	4134	4209	289	243	398	473
TETRIS 2 A 70.6 HP_1P	4560	4635	339	271	416	519
TETRIS 2 A 70.6 HP_1P_LN	4800	4875	340	280	454	551
TETRIS 2 A 70.6 CH_1P_DS	3930	4011	293	244	363	437
TETRIS 2 A 70.6 CH_1P_DS_LN	4170	4251	294	252	402	469
TETRIS 2 A 70.6 HP_1P_DS	4596	4677	344	280	420	515
TETRIS 2 A 70.6 HP_1P_DS_LN	4836	4917	345	289	458	547
TETRIS 2 A 70.6 CH_3P	4168	4248	294	244	398	480
TETRIS 2 A 70.6 CH_3P_LN	4651	4731	339	280	433	525
TETRIS 2 A 70.6 HP_3P	4114	4194	299	237	381	481
TETRIS 2 A 70.6 HP_3P_LN	4834	4914	345	281	454	558
TETRIS 2 A 70.6 CH_3P_DS	3967	4053	298	245	364	444
TETRIS 2 A 70.6 CH_3P_DS_LN	4204	4290	299	253	402	476
TETRIS 2 A 70.6 HP_3P_DS	4630	4716	349	281	420	522
TETRIS 2 A 70.6 HP_3P_DS_LN	4870	4956	350	290	458	554
TETRIS 2 SLN 70.6 CH_1P_LN	4134	4209	289	243	398	473
TETRIS 2 SLN 70.6 HP_1P_LN	4800	4875	340	280	454	551
TETRIS 2 SLN 70.6 CH_1P_DS_LN	4170	4251	294	252	402	469
TETRIS 2 SLN 70.6 HP_1P_DS_LN	4836	4917	345	289	458	547
TETRIS 2 SLN 70.6 CH_3P_LN	4168	4248	294	244	398	480
TETRIS 2 SLN 70.6 HP_3P_LN	4834	4914	345	281	454	558
TETRIS 2 SLN 70.6 CH_3P_DS_LN	4204	4290	299	253	402	476
TETRIS 2 SLN 70.6 HP_3P_DS_LN	4870	4956	350	290	458	554

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 70.6

A4E786 - A

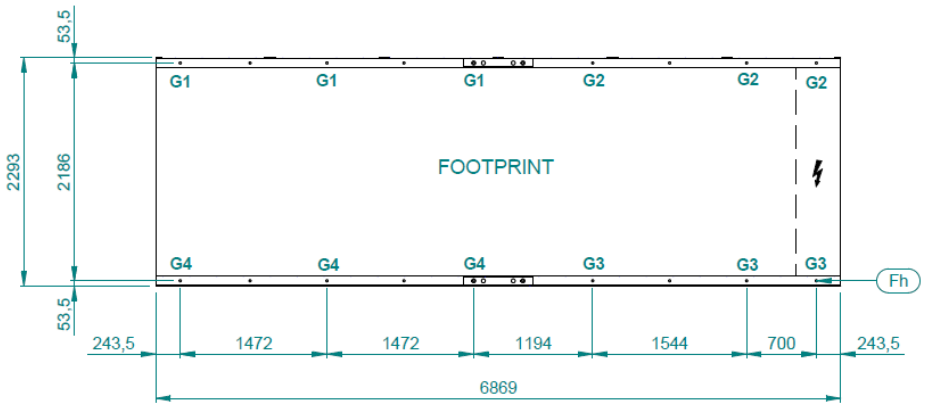
CH-HP-DS-LN 1PS-3PS



CONNECTIONS		
Uin 1PS-3PS	OD 139.7	
Uout 1PS-3PS	OD 114.3	
Rin	G 1"1/4 M	OD 60.3 WITH CR
Rout	G 1"1/4 M	OD 60.3 WITH CR

Dimensional Drawing TETRIS 2 A - TETRIS 2 SLN 70.6
CH-HP-DS-LN 1PS-3PS

A4E786 - A



MODEL	WEIGHT(kg)	OPERATING WEIGHT (kg)	G1 (kg)	G2 (kg)	G3 (kg)	G4 (kg)
TETRIS 2 A 70.6 CH_1PS	4105	4890	445	304	358	523
TETRIS 2 A 70.6 CH_1PS_LN	4342	5127	444	314	394	557
TETRIS 2 A 70.6 HP_1PS	4771	5556	495	341	414	602
TETRIS 2 A 70.6 HP_1PS_LN	5008	5793	495	351	450	635
TETRIS 2 A 70.6 CH_1PS_DS	4138	4929	449	313	362	519
TETRIS 2 A 70.6 CH_1PS_DS_LN	4378	5169	449	323	398	553
TETRIS 2 A 70.6 HP_1PS_DS	4807	5598	500	350	418	598
TETRIS 2 A 70.6 HP_1PS_DS_LN	5044	5835	499	360	455	631
TETRIS 2 A 70.6 CH_3PS	4362	5142	441	315	399	559
TETRIS 2 A 70.6 CH_3PS_LN	4839	5619	486	349	434	604
TETRIS 2 A 70.6 HP_3PS	4302	5082	446	306	383	559
TETRIS 2 A 70.6 HP_3PS_LN	5022	5802	491	351	455	637
TETRIS 2 A 70.6 CH_3PS_DS	4152	4938	446	313	366	521
TETRIS 2 A 70.6 CH_3PS_DS_LN	4395	5181	446	323	403	555
TETRIS 2 A 70.6 HP_3PS_DS	4821	5607	496	350	423	600
TETRIS 2 A 70.6 HP_3PS_DS_LN	5058	5844	496	360	459	633
TETRIS 2 SLN 70.6 CH_1PS_LN	4342	5127	444	314	394	557
TETRIS 2 SLN 70.6 HP_1PS_LN	5008	5793	495	351	450	635
TETRIS 2 SLN 70.6 CH_1PS_DS_LN	4378	5169	449	323	398	553
TETRIS 2 SLN 70.6 HP_1PS_DS_LN	5044	5835	499	360	455	631
TETRIS 2 SLN 70.6 CH_3PS_LN	4362	5142	441	315	399	559
TETRIS 2 SLN 70.6 HP_3PS_LN	5022	5802	491	351	455	637
TETRIS 2 SLN 70.6 CH_3PS_DS_LN	4395	5181	446	323	403	555
TETRIS 2 SLN 70.6 HP_3PS_DS_LN	5058	5844	496	360	459	633

PRACTICAL RECOMMENDATIONS FOR INSTALLATION

POSITIONING

- Verify that there are no obstructions on the intake of the finned coil and on the fans flow.
- Position the unit in order to reduce to a minimum the environmental impact (sound emission, integration with present structures, etc.).

ELECTRIC CONNECTIONS

- Always consult the attached electric layout, where all necessary instructions to carry out the Electric connections are reported.
- Power the unit (closing the isolating device) at least 12 hours before start-up to allow power supply to the carter heaters.
- Do not remove the voltage to the heaters during the unit brief standstill periods.
- Before opening the isolating device, stop the unit by acting on the appropriate start switches, or in absence, on the remote control.
- Before accessing the internal parts of the unit, disconnect by opening the main isolating device.
- The power supply line must be protected in compliance with the provisions of the standards in force.
- Three polar power cable + earth, or three polar cable + neutral+ earth; external consent; remote alarm report.

HYDRAULIC CONNECTIONS

- Accurately remove the hydraulic plant, with pumps switched off, by acting on the small vent valves. This procedure is particularly important in that, even the smallest air bubbles can cause the evaporator to freeze.
- Discharge the water plant during the winter breaks or use appropriate anti-freezing mix. In case of brief period of time of unit stop, the installation of the anti-freeze heater on the evaporator and on the hydraulic circuit is recommended.
- Realise the hydraulic circuit including the components indicated in the recommended layouts (expansion tank, flow switch, storage tank, vent valves, shut-off valve, anti vibration joints, etc. See use installation and maintenance manual.
- Connect the flow meter in the units for which it is supplied, carefully following the instructions attached to the same unit.

START-UP AND MAINTENANCE

- Carefully keep to that indicated in the use and maintenance manual. Such operations must be carried out by qualified staff.

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