

Spare parts
Hyperchill
PCW
(60Hz)

(Date 04.03.15)

Index

GENERAL TERMS OF SALES.....	2
PCW007-013	5
PCW020-025	8
PCW 40-160.....	12
PCW210-330	17
PCW420-650	21

Introduction

The following shall be regarded as the general terms of sale between Parker Hiross (Seller) and Purchaser. None of these terms may be added to, modified, superseded or otherwise altered by Purchaser, unless specifically agreed to, in writing and signed, by Seller. These terms shall, accordingly, supersede and modify any terms that may be contained in any letter or other from Purchaser. They also supersede any oral representations made by either party in connection with the transaction.

Validity

This "Parker Hiross Master Price List" cancels and supersedes all previous Parker Hiross Price Lists. Prices are valid starting from the date indicated in the Price List. This Price List is valid until written notice to the contrary, or the emission of a new Price List. Technical data contained in this publication is to be considered as indicative only. The manufacturer reserves the right to modify technical data at its own discretion and without prior notice.

Quotation

Seller has the right, at any time and even after the order, to make alterations to, or with draw (prior to order confirmation), its offers. Prices quoted shall always be regarded as indicative only.

Acceptance of order

Orders shall be regarded as accepted by Seller only after issuing the respective order confirmation. Seller's charges for cancelling booked and confirmed orders shall range up to 100% of the net order value, depending on completeness of the equipment and its reclamation value. Minimum accepted value for an individual order shall be Euro 200, or the equivalent in other currencies. Orders for lower values will be subject to a Euro 100 (or the equivalent in other currencies) order processing charge.

Price

Price shall be as stipulated in the order confirmation. All non Euro prices are nonetheless calculated from the Euro price, and then rounded to the nearest full digit. As a result there may be a minor difference between the listed and invoiced prices. In the event no price is stipulated, equipment shall be charged at Seller's prevailing Price list. Unless otherwise agreed, in writing, price shall be ex Seller's factory, with standard packing.

Seller reserves the right to modify prices at the confirmation of the order to Purchaser. If the confirmed price increase exceeds 5 (five) percentage points, Purchaser has the right to withdraw from the contract, upon written notice addressed to Seller within 2 (two) days from the date of the receipt of the communication concerning the price adjustment. Upon the expiration of such term, or with the acceptance of the goods' delivery by Purchaser, the adjustment is deemed to be accepted and binding between the parties.

The Price shall be valid for delivery as per the date agreed in the order confirmation. If Purchaser requests (in writing) any delay in shipping of the equipment, Seller will reserve the right to revise the price.

Changes to booked and confirmed orders shall be subject to a minimum net service charge corresponding to Euro 100 (or the equivalent in other currencies), to cover changes in documents. This charge may be increased, depending on order status and nature of requested modification.

Delivery

The delivery date shall be as indicated in the order confirmation. The delivery terms, indicated in the order confirmation, are to be considered as part of this General Terms of Sale. Acceptance of shipment by a common carrier or allocation of equipment to Purchaser shall constitute delivery. Thereupon responsibility shall pass to Purchaser, subject to Seller's right of stoppage in transit. Where a trade term has been agreed, it shall be interpreted in accordance with the INCOTERMS in force at time of contract. If no trade term is specifically agreed delivery shall be considered to be ExWorks. Unless expressly specified in the INCOTERMS, goods in transit always travel at Purchaser's risk. Purchaser will bear all costs involved in removing the goods from Seller's premises. Delivery of all or any part of the order is contingent upon Seller's ability to obtain supplies, raw materials and service through its regular sources of supply. Should Seller, temporally or permanently, be unable to deliver the products for reasons not imputable to the same such as force majeure, (e.g. earthquake, strikes, lockout, lack of means of transportation, authority ordinance, floods, etc.) it will be released from all delivery and indemnification obligations towards Purchaser for the entire duration of the period in which the impediment and its effects last. Upon the occurrence of such impediment, Seller will promptly inform Purchaser thereof. In the aforesaid cases, delays in delivery shall not give any right to Purchaser to claim for damages or to cancel the order. Delivery time shall commence from the date of the order confirmation, but not before Seller having received, from Purchaser, all necessary drawings and approvals, if any, or down payment. Partial deliveries shall not be refused by Purchaser and will be paid for at contract prices and terms. If the delay, not caused by an event of force majeure, exceeds 90 (ninety) days, Purchaser will be allowed to cancel the outstanding part of the order. Each party may terminate the purchase agreement in the event that its effects, due to events mentioned above, becomes excessively onerous and therefore the contract is no longer of interest for such party. If Seller performs the installation of goods, Purchaser will have to take care of and preserve the delivered goods, until the completion of installation. Purchaser shall pick up the purchased products at the dates agreed, unless otherwise agreed between the parties. Purchaser's requests in this regard shall be taken into consideration by Seller, provided that Purchaser has made its request at least 30 (thirty) days before the original delivery date. If Purchaser does not pick up the purchased goods at the agreed date, Seller will have the right to invoice and receive payment for any equipment not picked up. The costs of storage will be born by Purchaser.

Reserve of property

All goods supplied shall remain property of Seller until such time as full payment will have been received from Purchaser in settlement of all pertaining Seller's invoices. Cheques and bills of exchange issued by Purchaser will be considered as payment only after having been cashed by Seller's bank.

Claims and complains

Purchaser shall inspect the delivered goods and notify Seller, in writing and within 8 (eight) days from the delivery date, of defects found or that may be found upon a preliminary inspection, or any other claim related to the goods. Should Purchaser fail to make such notification, the goods shall be deemed as definitely accepted and in compliance with what set forth in the contract, without being prejudicial to the possibility to report any hidden defect, assuming this is within the warranty period; in any case the notification of the defects must be communicated within 8 (eight) days from the discovery thereof. If the received goods have been damaged during transit, Purchaser will have to highlight this on the C.M.R. or on the Delivery note. Expenses related to the shipment of any eventual returns shall be borne by Purchaser. Possible objections concerning part of the goods delivered, or a single shipment of the same, shall have no effect on the rest of the order, nor on the payment of goods already received and not promptly challenged.

Payment

Payment shall be upon those terms agreed to by Purchaser and Seller. In the event there is no agreement, payment shall be by Cash in Advance. Failure by Purchaser to effect payment at due date will result in Seller cancelling all express warranties, not with standing taking recourse to remedies provided by the law. In case of delayed payment, Purchaser will automatically be charged interest calculated pursuant to the Italian decree no. 231/2002, without the need for any notice of default. In the instance of equipment held subject to Purchaser's instructions, equipment for which Purchaser has failed to supply shipping instructions, or in any case where Seller, in its own sole discretion, determines any part of the equipment purchased by Purchaser should be held for Purchaser's account, Seller may invoice the equipment and Purchaser agrees to make payment at the maturity of the invoice so rendered. Equipment invoiced held at any location, for whatever reason, shall be at Purchaser's risk and Seller may charge for insurance and storage at prevailing rates.

Resolution of contract

The terms of payment are fundamental elements, and any default in payments or any unilateral change constitutes the right of withdrawal for Seller to stop deliveries and consider any supply agreement as rescinded without notice, intimation or other. The same is valid for Seller in the event of changes in the economic-property conditions of Purchaser (Art. 1461 C.C.).

Drawings and installation details

Drawings, models and instructions for the installation of equipment supplied are the exclusive property of Seller; Purchaser cannot pass these to any third party. Seller shall not warrant the correctness of drawings which have not been certified by Seller. Certified drawings shall only be available upon written request from Purchaser, and shall be charged at a price to be agreed upon. Seller reserves the right to, at any time prior to delivery of certified drawings to Purchaser, make any changes in model or design of equipment, including components thereof.

Warranty

Seller warrants to Purchaser all equipment to be free from defects in material and workmanship for a period not exceeding 1 year from the date of installation of the equipment, but for a maximum of 18 months from the shipping date. This obligation is limited to repairing and replacing, at Seller's factory, any part found faulty during said period, with the following limitations:

- a) Warranty is effective only if equipment has been installed, commissioned and maintained in accordance with Seller's instructions (Parker Hiross User Manual) and, where necessary, connected to adequate electric, water and drain services, cleaned out correctly and placed into operation by a qualified technician. The effects of erosion, corrosion and normal wear-and-tear are specifically excluded from this warranty.
- b) Seller reserves the right to, for specific products grant warranty terms only on the condition that Commissioning has been performed by Seller's Service personnel or, failing this, Service personnel authorised by Seller beforehand. In the latter case the relevant Commissioning Report must be compiled by the authorised Service personnel and sent to Seller. Failure to adhere to this procedure will result in loss of warranty.
- c) Seller reserves the right to replace a product under warranty, and will accept no costs as to the removal and installation of the products.
- d) Seller reserves the right to change or improve the design of its products without assuming any obligation to modify any product previously manufactured.
- e) Poor maintenance or improper use will result in loss of warranty.
- f) Seller shall not assume responsibility for any labour expenses incurred by Purchaser in replacing or changing defective parts or equipment covered by this warranty.
- g) This warranty is granted to original Purchaser only and cannot be transferred, unless authorised in writing by Seller. Purchaser shall notify Seller of a defect within a maximum of 8 (eight) days from the discovery thereof, and in no case later than 8 (eight) days after expiry of the above stated warranty. Purchaser will notify fault by filling out the "Passport", as distributed by Seller.

Any claims against this warranty must be substantiated at the time the fault arises, and it will be at Seller's discretion to:

- h) Supply replacement parts ex-works Seller's factory,
 - or ii) repair parts locally, with travel/living/labour expenses at Purchaser's charge,
 - or iii) authorise Purchaser to have components repaired locally,
 - or iv) authorise Purchaser to buy replacement parts locally,
 - or v) require Purchaser to return damaged parts to Seller, prepaid, for repairs.

Seller has the right to ask for components, claimed as being faulty, to be returned to its factory, transport prepaid, for inspection, or to request Purchaser to keep these parts in stock for eventual inspection by Seller's representative. Seller is not obliged to make any guarantee payments before having had the opportunity to verify said claim in either manner described above. Any requests from Purchaser founded on the warranty clause or on asserted non-fulfilment thereof on the part of Seller or others shall not in any manner authorise Purchaser to delay or modify the agreed payment terms.

Warranty waiver

This is a written agreement between Seller and Purchaser, representing an alternative to the Warranty described previously. Should this agreement exist, Seller will grant Purchaser a 2% discount (included in the discount communicated by Seller to Purchaser) on the price of the products; in exchange Purchaser accepts to take over all costs which, according to the previous chapter, should be covered by Seller. QSR and LCD dryers, and eventually special products not listed in the present Master Price List, do not fall under the warranty waiver agreement, remaining with the previously described warranty. These costs include (but are not limited to):

- a) Costs arising from machine break down or malfunctioning due to faulty components (i.e. electrical defects on compressors, faulty pressure switches, defective control panels, etc.).
- b) Costs resulting from repair of isolated faults, not detected during quality controls, or any related secondary damage (i.e. incorrect wiring, leaks, etc.).

The only costs to be considered not covered by Warranty Waiver discount are the costs connected to rectifying clear defects resulting from design faults in equipment, as shown by recurring defect patterns on an international scale. In this case Seller will recognize to Purchaser the cost ExWorks of the faulty component, plus the labour cost to repair the equipment. Seller will evaluate the labour cost on a case-by-case basis.

Liability for damage to property or other caused by goods

Purchaser shall indemnify and hold Seller harmless for any damage caused by equipment to:

- a) any (movable or immovable) property, where damage occurs while equipment is in Purchaser's possession, or
- b) products manufactured by Purchaser, or products of which Purchaser's products form a part, or for loss or damage to any property, where damages caused by these products because of properties in the equipment.

Seller shall under no circumstances be liable for loss of production, loss of profit, or any other consequential economic loss. The above is valid both within and after the warranty period.

Invalidity of provisions

If any of these terms shall be held invalid, illegal or unenforceable, the validity of remaining provisions shall not in any way be affected or impaired thereby.

Individual contracts

For all individual contracts stipulated between Seller and Purchaser, any terms within these General Terms of Sale which are not covered in the individual contract will remain valid.

Privilege

Seller reserves the faculty to, in case of extended payment (even partial), make use of the right of privilege (art. 2762 C.C.). The right of privilege maintains its full validity even in the event of a change in the agreed payment conditions or concessions or extension, given that these events, under explicit agreement of Purchaser, do not constitute an extension of credit, with the present terms of sale remaining unchanged. In any case, the effects of Purchaser do not affect the credit situation and are reserved and accepted for cash convenience and without any prejudice of Seller's rights.

Intellectual property

Trademarks, commercial names or other distinctive marks on the goods are of exclusive property of Seller, and will not be altered, changed, removed or cancelled in any manner. Purchaser can use, to the limited purpose of resale of the goods to the public, the trademarks, commercial names and other distinctive marks, as well as other industrial exclusive rights or Know-how associated with the goods, which nonetheless remain the exclusive property of Seller. Any other utilization of the Intellectual Property, if not expressly granted by Seller in writing, will be considered a violation of the aforementioned exclusive rights of Seller, also under the profile of the contractual responsibility, and will be prosecuted.

Confidentiality

These Conditions, all Orders and any other information or material supplied by (or on behalf of) one party to the other are strictly confidential and will not be disclosed (in whole or in part) to any other person without the disclosing party's prior written consent. The receiving party will not make use of the disclosing party's name, or any other information contained in these Conditions (or supplied pursuant to them), for publicity purposes without the disclosing party's prior written consent.

Privacy

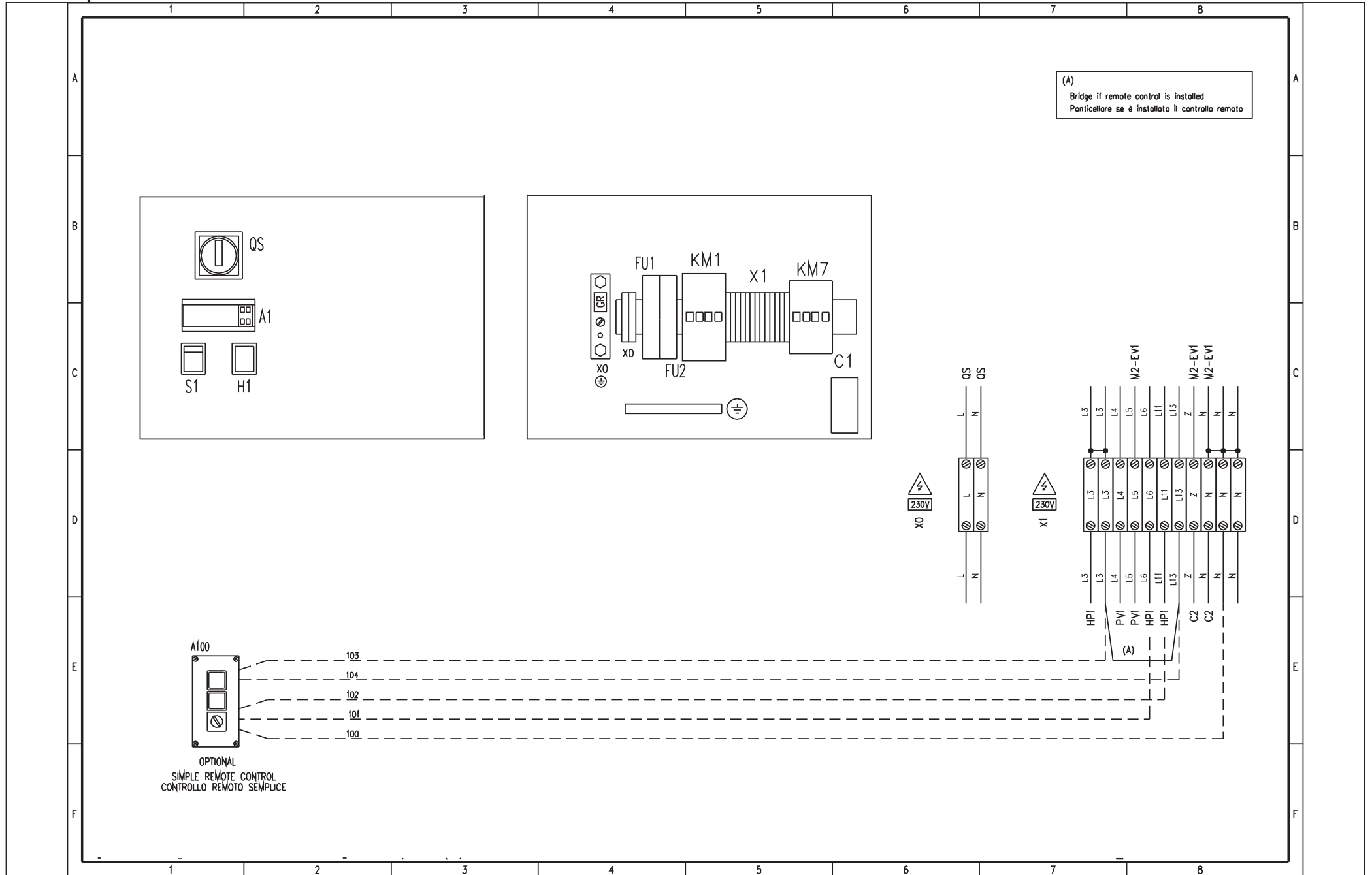
Purchaser declares to be aware that all data communicated will be handled and utilized exD. Lgs. 196/2003, according to what better specified in the a later agreement of the sales contract.

Disputes

All disputes arising from or in connection to the contract shall be judged according to Italian law. The Court of Padua (Italy) shall have the exclusive jurisdiction.

COMPONENT	POSITION	PCW007	PCW013
3 year repair kits	⑱ ⑳㉑ KM1 KM7	398H473400	
1. compressor kits	① ⑦ KM1	398H473295	398H473296
2. fan kits	③	398H473401	398H473402
3. pump kits (P30 - 3 barg)	⑫	398H303298	
4. fan pressure switch kit	⑳	398H473683	
refrigerant condenser	②	398H114739	398H114736
refrigerant filter	⑦	398H206219	
tank / evaporator (open)	⑩ ㉑	398H339158	398H339157
tank / evaporator (pressure)	⑩ ㉑	398H339160	398H339161
water manometer	⑮	398H354039	
water outlet temperature sensor	⑱	398H275171	
electronic control	㉑	on request	
high pressure switch	㉓	398H354237	
main switch	QS	398H256364	
compressor/pump contactor	KM1/KM7	398H256244	
electronic control card on-off	S1	398H255133	
alarm signal lamp	H1	398H255139	

Electrical pannel

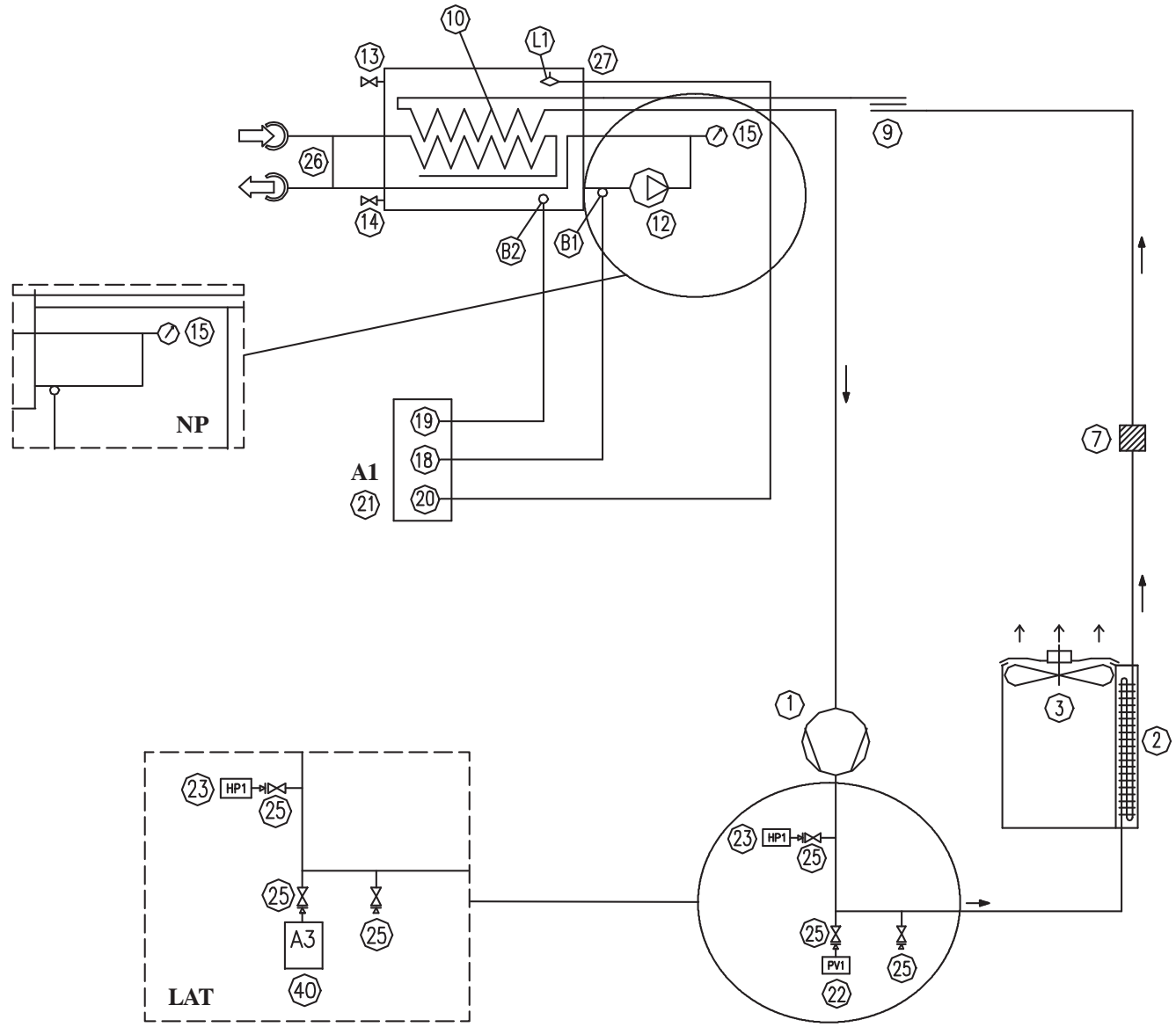


DESCRIPTION		POSITION	PCW020	PCW025
a)	3 year maintenance kits	⑱ ⑲ ⑳ ㉒ ㉓ KM1 KM5 KM7	398H473201	
b)	1. compressor kits	① ⑦ KM1	on request	398H473213
	2. fan kits	③ KM5	398H473278	
	3. fan pressure switch kit	㉒	398H473683	
	4. expansion valve kit	⑦ ⑧	on request	on request
c)	refrigerant condenser	②	398H114761	398H114762
	refrigerant filter	⑦	398H206226	
	tank / evaporator	⑩ ㉗	398H339159	
	pump P15 (1.5 barg)	⑫	on request	
	pump (P30 - 3 barg)		398H303349	
	pump P50 (5 barg)		on request	
	water manometer	⑮	398H354039	
	water outlet temperature sensor	⑱	398H275171	
	water level sensor	㉒	398H275924	
	electronic control	㉓	398H275744	
	high pressure switch	㉔	398H354052	
	main switch	QS	398H256416	
	compressor / fan / pump automatic switch	QF1	398H256294	
	compressor / fan / pump contactor	KM1/KM5/KM7	398H256243	
	electronic control card on-of	S1	398H255133	
	alarm signal lamp	H1	398H255168	
	high pressure / general / pump alarm relay	KA1 / KA2/KA3	398H256152	

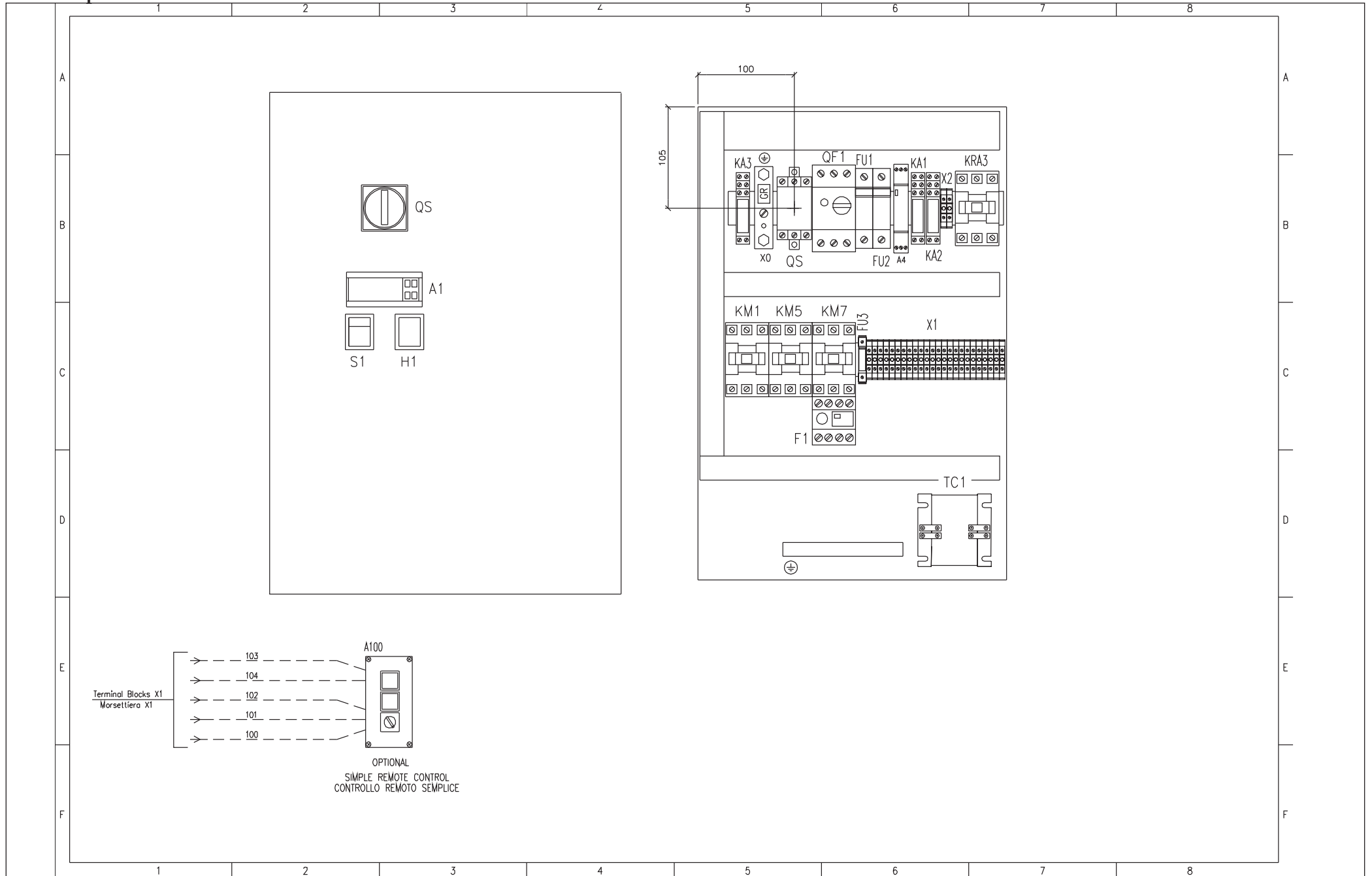
Individual spare parts

DESCRIPTION	POSITION	PCW020	PCW025
auxiliary transformer	TC1	398H256361	
antifreeze heater 1 contactor	KRA1	398H256243	

Diagram circuit



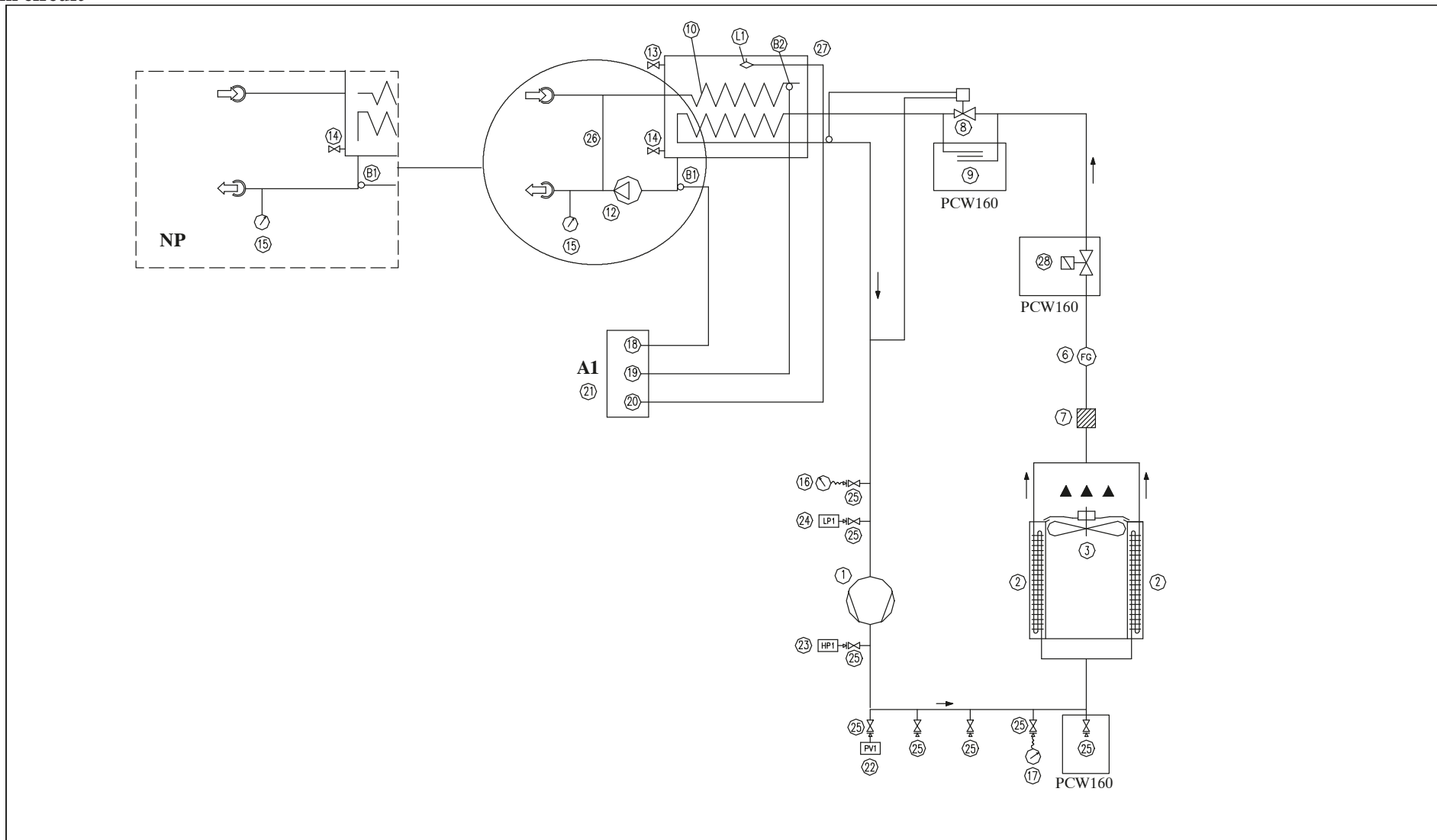
Electrical pannel



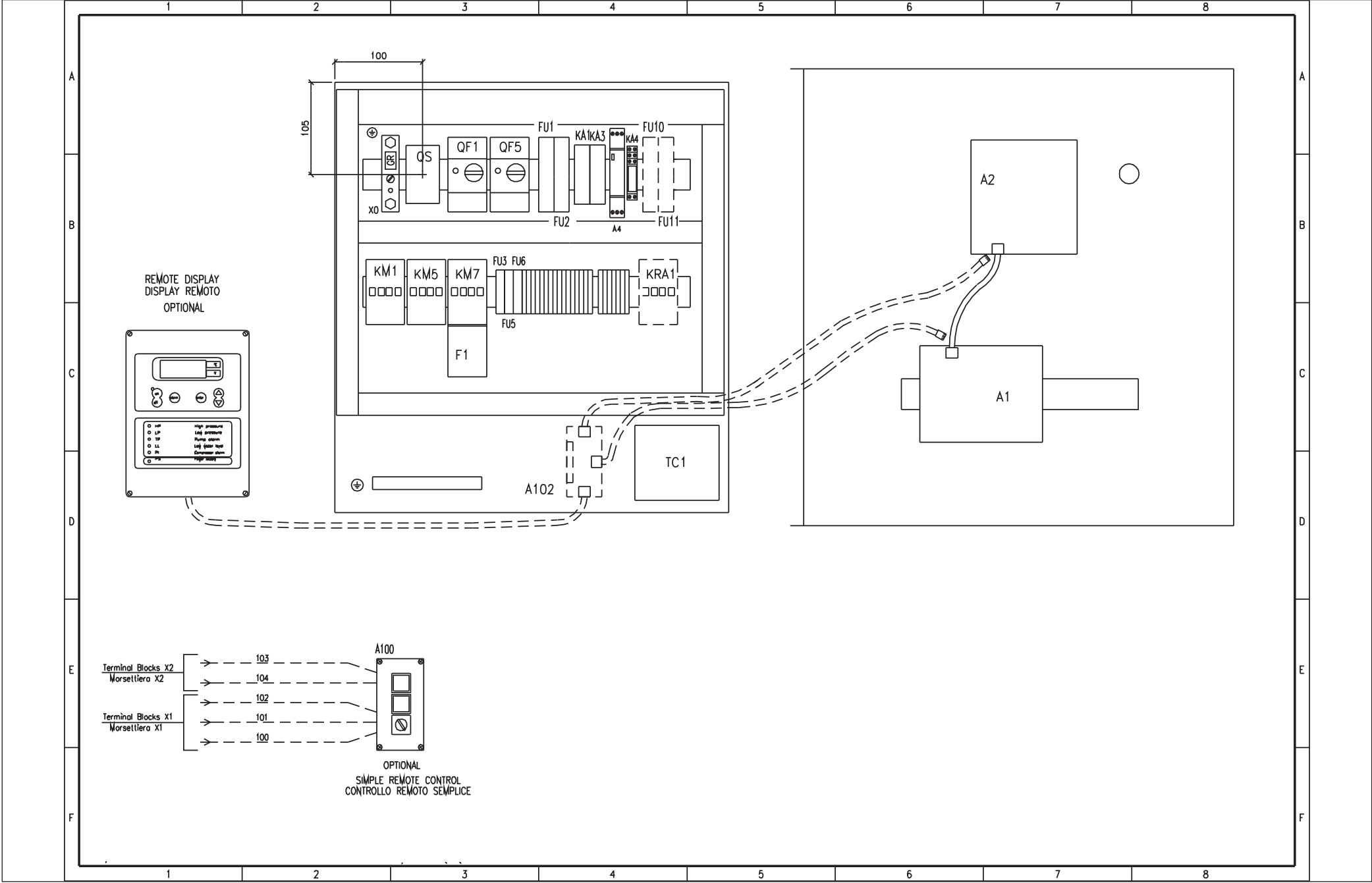
Component	POSITION	PCW040	PCW060	PCW080	PCW110	PCW130	PCW160
3 year maintenance kits (Axial)	⑱ ⑲ ⑳ ㉓ ㉔ ㉕ KM1 KM5 KM7	398H473280		398H473281		398H473282	
1. compressor kits	① ⑦ KM1	on request	398H473711	398H473712	398H473713	398H473714	on request
2. fan kits (Axial)	③ KM5	398H473289		398H473290	398H473291	398H473292	
3. pump kits (P30 - 3 barg)	⑫ KM7, F1	398H473293			398H473294		
4. fan pressure switch kit	⑫	398H473683					
refrigerant condenser (Axial)(Centrifugal)	②	398H114761	398H114763	398H114764	398H114765	398H114766	398H114767
refrigerant filter	⑦	398H206221		398H206224			398H206225
expansion valve kit	⑧	398H378803	398H378805		398H378806	398H378807	398H378808
tank / evaporator	⑩ ⑳	398H510980	398H510981	398H510982		398H510983	398H510984
water manometer	⑮	398H354039					
refrigerant suction manometer	⑮	398H354038					
refrigerant discharge manometer	⑮	398H354038					
water outlet temperature sensor	⑮	398H275233					
evaporator temperature sensor	⑮	398H275233					
water level sensor	⑮	398H275924					
electronic control	⑮	398H474003					
high pressure switch	⑮	398H354052					
low pressure switch	⑮	398H354054					
electrovalve	⑮	-					398H183104
local display	A2	398H275698					
main diconnector switch	QS	398H256419		398H256421		398H256422	

Component	POSITION	PCW040	PCW060	PCW080	PCW110	PCW130	PCW160
compressor / fan / pump contactor	KM1-KM5-KM7	398H256243					

Diagram circuit

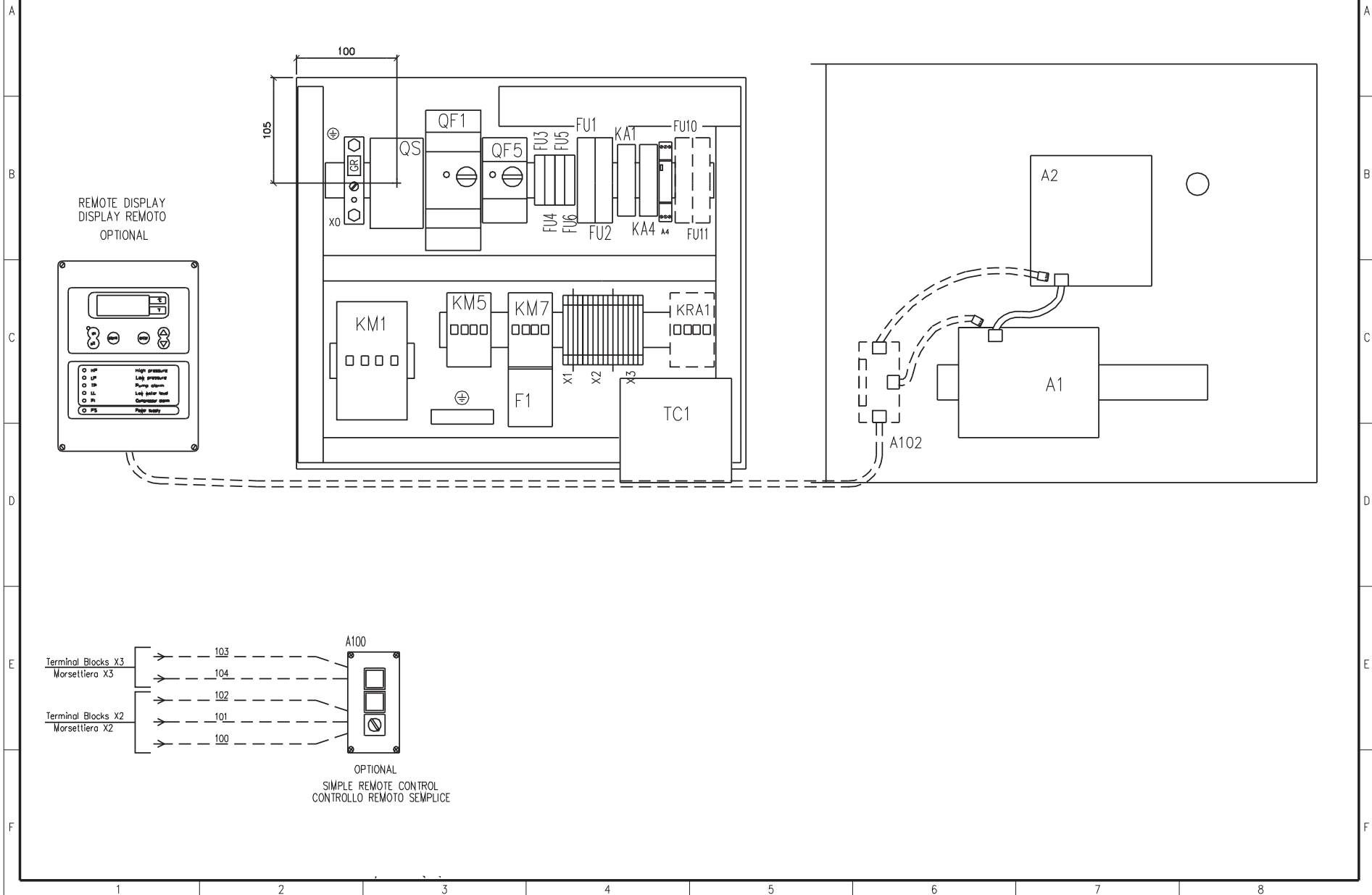


Electrical panel PCW040-060

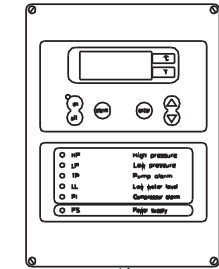


Electrical panel PCW080-160

ELECTRICAL PANEL LAY-OUT / PLANIMETRIA QUADRO ELETTRICO

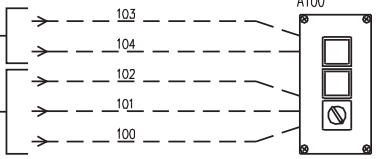


REMOTE DISPLAY
DISPLAY REMOTO
OPTIONAL



Terminal Blocks X3
Morsettiara X3

Terminal Blocks X2
Morsettiara X2

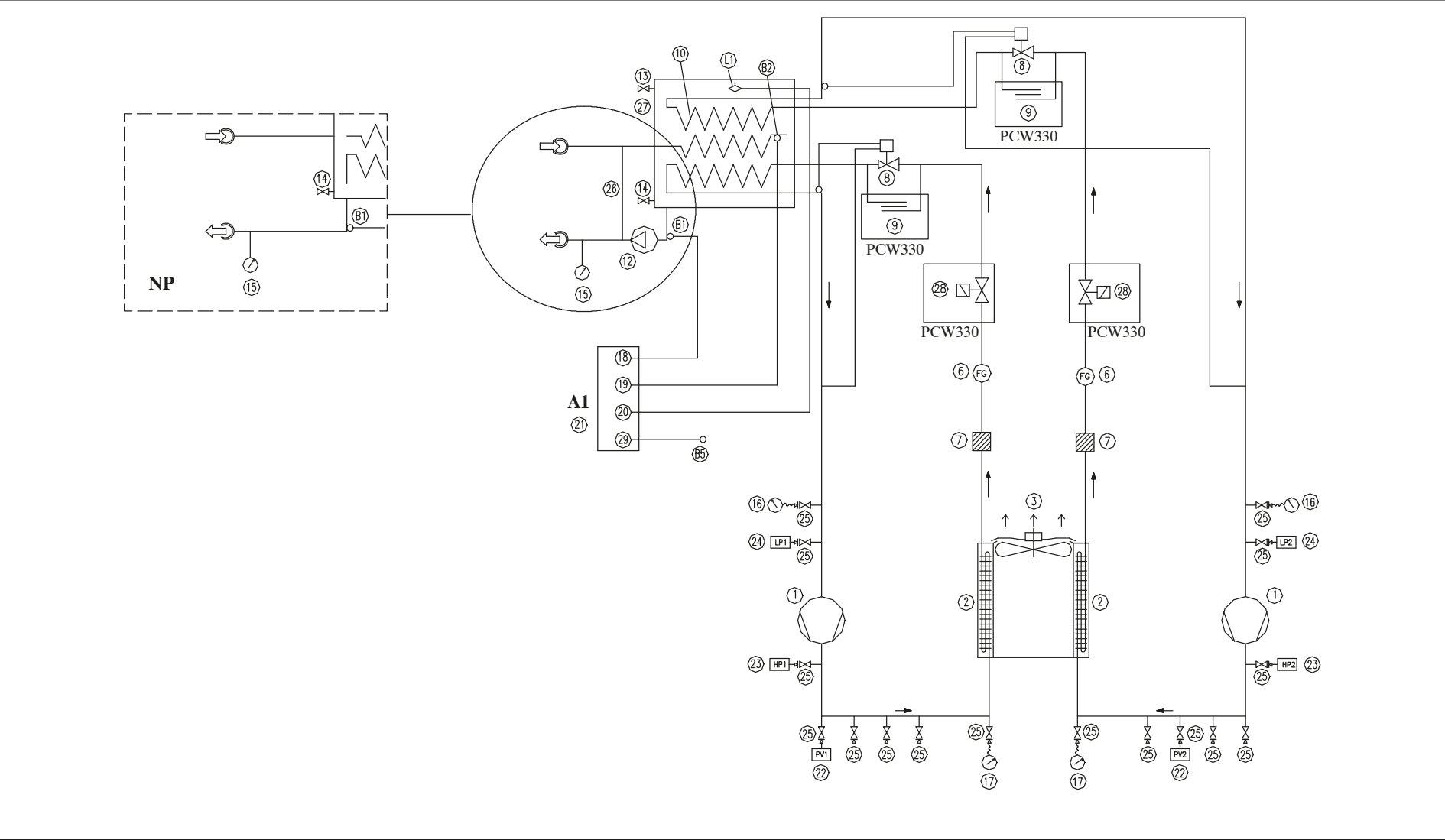


OPTIONAL
SIMPLE REMOTE CONTROL
CONTROLLO REMOTO SEMPLICE

Component	POSITION	PCW210	PCW260	PCW330
3 year maintenance kits (Axial)	①⑧ ①⑨ ②⑦ ②⑧ ②⑨ KM1 KM5 KM7	398H473298		398H473299
1. compressor kits	① ⑦ KM1	398H473729	398H473730	398H473731
2. fan kits (Axial)	③ KM5	on request		
3. pump kits (P30 - 3 barg)	⑫ KM7, F1	398H473301		
4. expansion valve kit	⑦ ⑧	-	398H473245	398H473246
5. fan pressure switch kit (PV1) (Axial)(Centrifugal)	⑫	398H473683		
refrigerant condenser (Axial)(Centrifugal)	②	398H114815	398H114816	398H114817
fan motor	③	398H381520		
sigh glass	⑥	398H348024		
refrigerant filter	⑦	398H206224		398H206225
tank / evaporator	⑩ ⑳	398H510985	398H510986	398H510987
expansion valve	⑧	398H378806	-	-
pump	⑫	P15 (1.5 barg) on request		
		P50 (5 barg) on request		
water manometer	⑮	398H354039		
refrigerant suction manometer	⑯	398H354038		
refrigerant discharge manometer	⑰	398H354038		
water outlet temperature sensor	⑱	398H275235		
evaporator temperature sensor	⑱	398H275235		
water level sensor	⑳	398H275924		

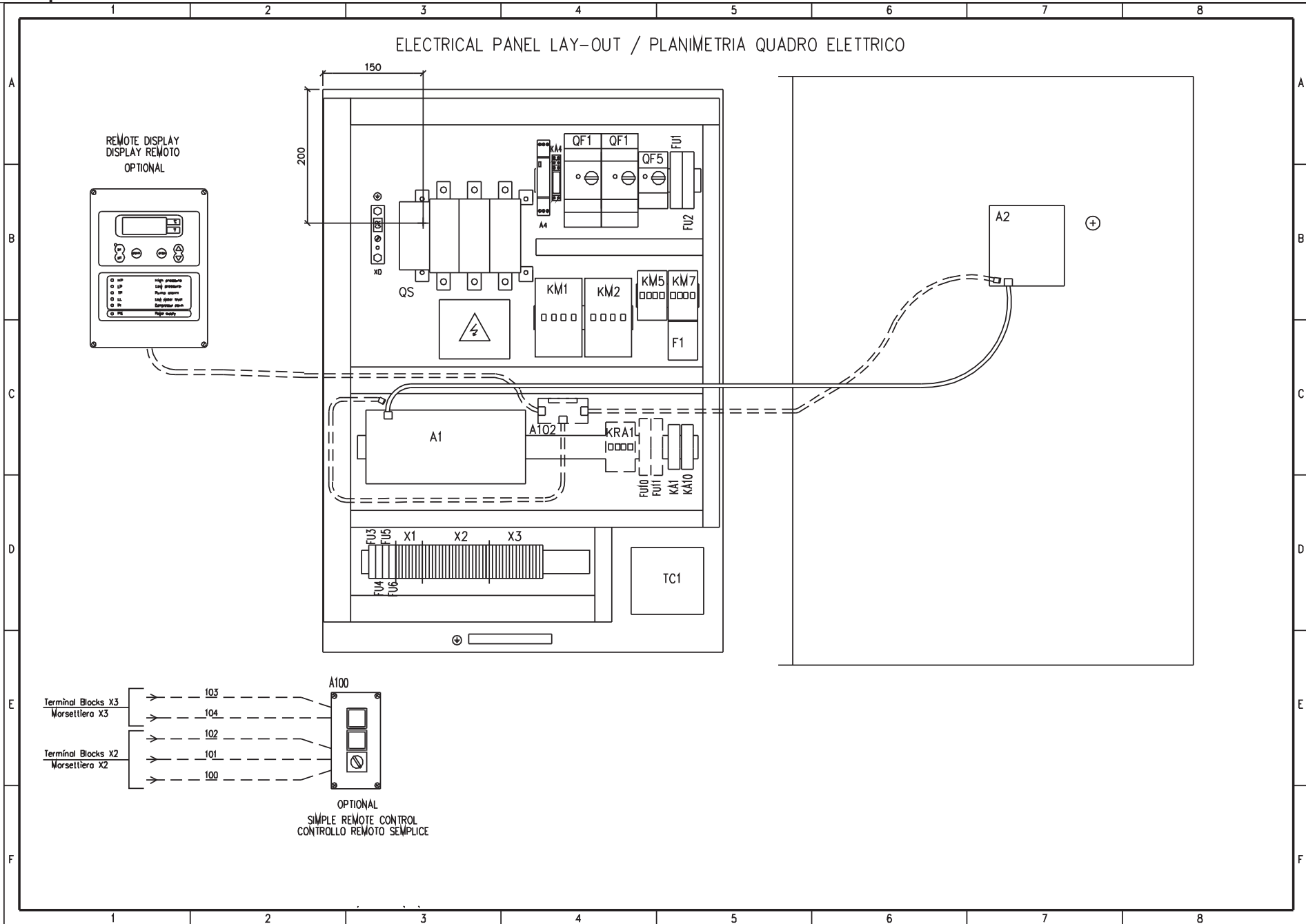
Component	POSITION	PCW210	PCW260	PCW330
electronic control (CPT)	②1	398H474004		
		398H474002		
high pressure switch	②3	398H354052		
low pressure switch	②4	398H354054		
electrovalve	②8	-		398H183104
local display	A2	398H275698		
compressor contactor	KM1-KM2	398H256353	398H256325	398H256362
compressor automatic switch	QF1-2	398H256236	398H256240	398H256240
pump contactor	KM7	398H256243		
auxiliary transformer	TC1	398H255868		
Hig pressure alarm relay	KA1-KA10	398h256152		
plastic capillary	-	398H370004	-	
		398H370003		
		398H370006		

Diagram circuit



Electrical panel ICE076-116

ELECTRICAL PANEL LAY-OUT / PLANIMETRIA QUADRO ELETTRICO



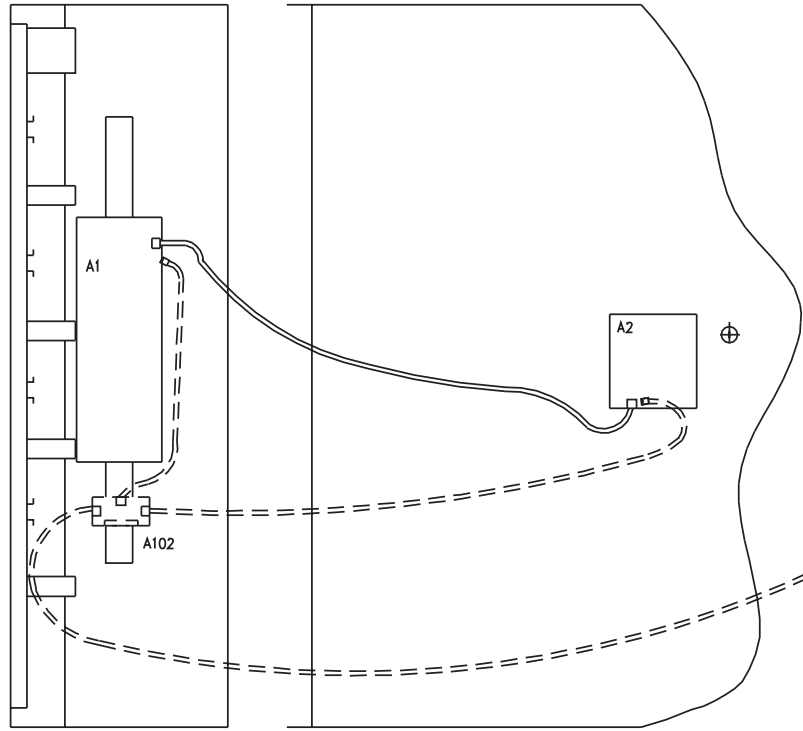
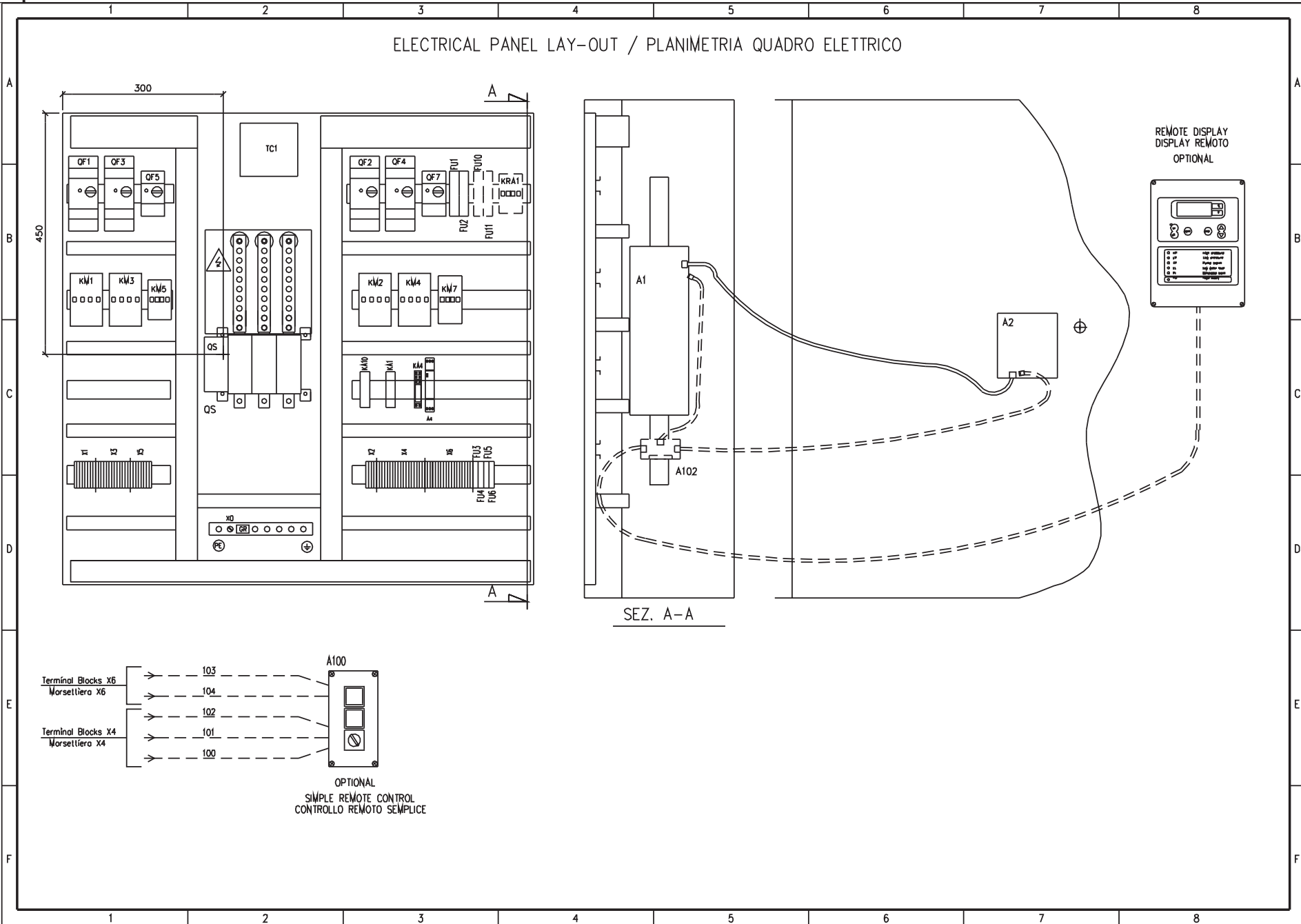
OPTIONAL
SIMPLE REMOTE CONTROL
CONTROLLO REMOTO SEMPLICE

Component	POSITION	PCW420	PCW510	PCW650
3 year maintenance kits (Axial)	⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ KM1-4, KM5, KM7	398H473302	398H473303	
1. compressor kits	① ⑦ KM1	398H473718	398H473719-398H473720	398H473721-398H473722
2. fan kits (Axial)	③ KM5	398H473304		
3. pump kits (P30 - 3 barg)	⑫ F1	398H473305		
4. fan pressure (PV1-2) kit	⑫	398H473683		
refrigerant condenser (Axial)(Centrifugal)	②	398H114768	398H114769	398H114754
fan motor (Centrifugal)	③	398H381608		-
sigh glass	⑥	398H348022		
refrigerant filter (body)	⑦	398H206227		
Filter (cartridge)	-	398H206053		
expansion valve	⑧	398H378808	398H378688	398H378689
tank / evaporator	⑩ ⑳	398H510988	398H510989	398H510990
pump	P15 (1.5 barg)	on request		
	P50 (5 barg)	on request		
water manometer	⑮	398H354039		
refrigerant suction manometer	⑯	398H354038		
refrigerant discharge manometer	⑰	398H354038		
water outlet temperature sensor	⑱	398H275235		
evaporator temperature sensor	⑲	398H275235		
water level sensor	⑳	398H275924		

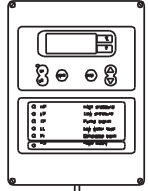
Component	POSITION	PCW420	PCW510	PCW650
electronic control (CPT)	②1	398H474005		
		398H474007		
high pressure switch	②3	398H354052		
low pressure switch	②4	398H354054		
electrovalve	②8	398H183105		
Ambient temperature sensor (6m)	②9	398H275235		
Evaporator temperature sensor (6m)	③0	398H275235		
local display	A2	398H275698		
main diconnector switch	QS	398H256425		
compressor automatic switch	QF1-4	398H256290	398H256363	
compressor contactor	KM1-4	398H256353	398H256325	398H256362
fan contactor	KM5	398H256243		
pump contactor	KM7	398H256245		
high pressure alarm relay	KA1/10	398h256152		
antifreeze heater contactor	KRA1	398H256243		
plastic capillary	-	398H370004		

Electrical panel PCW420-510

ELECTRICAL PANEL LAY-OUT / PLANIMETRIA QUADRO ELETTRICO



REMOTE DISPLAY
DISPLAY REMOTO
OPTIONAL



SEZ. A-A

