

A1 - A3 MODULE MAITRE A MICROPROCESSEUR
A2 AFFICHEUR
A3A MODULE ENTRES/SORTIES
A148 PASSERELLE JBUS
BP1 TRANSDUCTEUR DE PRESSION REFOULEMENT CIRCUIT A
BP2 TRANSDUCTEUR DE PRESSION REFOULEMENT CIRCUIT B
BP3 TRANSDUCTEUR DE PRESSION ASPIRATION CIRCUIT A
BP4 TRANSDUCTEUR DE PRESSION ASPIRATION CIRCUIT B
BP90.1 - BP90.2 TRANSDUCTEUR DE PRESSION POMPE HYDRAULIQUE
EC1-EC2-EC3 COMPRESSEUR CIRCUIT A
EC3-EC4 COMPRESSEUR CIRCUIT B
ED1-ED2 DETENDEUR
EH40 RECHAUFFEUR BALLON TAMPON
EH41 RECHAUFFEUR EVAPORATEUR
EH90 RECHAUFFEUR CIRCUIT D'EAU EVAPORATEUR
EH90A RECHAUFFEUR CIRCUIT D'EAU EVAPORATEUR AUXILIAIRE
EH90B RECHAUFFEUR CIRCUIT BALLON TAMPON
EH100 RECHAUFFEUR BOITE ELECTRIQUE
EH141 - EH142 RECHAUFFEUR ANTI FORMATION DE GLACE
EH307.1...EH307.3 THERMOPLONGEUR BALLON TAMPON
EH1C ... EH4C RECHAUFFEUR CARTER COMPRESSEUR
EP90 - EP90A POMPE A EAU
EV11 - EV13 VENTILATEUR CONDENSEUR
FU - FUA PROTECTION CIRCUIT CONTROLE
FU1 ... FU4 PROTECTION CIRCUIT COMPRESSEUR
GS1 ... GS4 DEMARREUR COURANT REDUIT COMPRESSEUR
GS11 - GS13 VARIATEUR DE VITESSE MOTEUR VENTILATEUR CONDENSEUR
GS90 VARIATEUR DE VITESSE MOTEUR POMPE
K41 RELAIS COMMANDE RECHAUFFEUR
K307.1 ... K307.3 CONTACTEUR THERMOPLONGEUR BALLON TAMPON
KM1 ... KM4 CONTACTEUR COMPRESSEUR
KM11 ... KM14 CONTACTEUR VENTILATEUR CONDENSEUR
KM90 - KM90A CONTACTEUR POMPE EVAPORATEUR
QF DISJONCTEUR CIRCUIT CONTROLE ET RECHAUFFEURS
QF307.1...QF307.3 DISJONCTEUR THERMOPLONGEUR BALLON TAMPON
QM11 ... QM13 PROTECTION CIRCUIT VENTILATEURS
QM90 - QM90A PROTECTION CIRCUIT POMPES
QS100 INTERRUPTEUR GENERAL
RT1 SONDE DE TEMPERATURE SORTIE EAU EVAPORATEUR
RT2 SONDE DE TEMPERATURE ENTREE EAU EVAPORATEUR
RT10 SONDE DE TEMPERATURE AIR AMBIANT OU EXTERIEUR
RT11A - RT12A SONDE DE DEGIVRAGE
RT31 - RT32 SONDE DE TEMPERATURE ASPIRATION
RT100 SONDE DE TEMPERATURE SORTIE EAU COMMUNE EVAPORATEUR
(MAITRE-SUIVEUR)
SP90F DETECTEUR DEBIT D'EAU POMPE EVAPORATEUR
SP101F - SP102F PRESSOSTAT HAUTE PRESSION DE SECURITE
TC TRANSFORMATEUR CIRCUIT CONTROLE
YV41 - YV42 VANNE D'INVERSION DE CYCLE

YV71 VANNE D'HUILE
ZGS11 - ZGS13 FILTRE CEM VENTILATEUR
ZGS90 FILTRE CEM POMPE

RACCORDEMENTS CONTROLE CLIENT

- 1 MARCHE / ARRET A DISTANCE
- 2 SELECTION POINT DE CONSIGNE
- 3 LIMITATION DE CAPACITE #1
- 4 LIMITATION DE CAPACITE #2
- 5 ASSERVISSEMENT CLIENT/DEBIT D'EAU
- 6 COMMANDE CHAUD - FROID A DISTANCE
- 7 EN FONCTIONNEMENT
- 8 ALARME / ALERT
- 11 CHAUDIERE
- 12 DESURCHAUFFEUR
- 13 RESISTANCE DE CHAUFFE 1
- 14 RESISTANCE DE CHAUFFE 2
- 15 RESISTANCE DE CHAUFFE 3
- 16 RESISTANCE DE CHAUFFE 4
- 17 COMMANDE POMPE EXTERNE PAR SIGNAL 0-10V

OPTIONS ET ACCESSOIRES

UNITE TRES BASSE TEMPERATURE
BAS NIVEAU SONORE
DEMARRAGE A COURANT REDUIT
DEMARRAGE HIVER
RECHAUFFEUR MODULE HYDRAULIQUE
RECHAUFFEUR MODULE HYDRAULIQUE & BALLON TAMPON
SURCHAUFFEUR
SONDE COMMUNE EAU FROIDE (DUPLEX)
MODULE HYDRAULIQUE AVEC POMPE SIMPLE HAUTE PRESSION SANS VASE D'EXPANSION
MODULE HYDRAULIQUE AVEC POMPE DOUBLE HAUTE PRESSION SANS VASE D'EXPANSION
MODULE HYDRAULIQUE AVEC POMPE SIMPLE BASSE PRESSION SANS VASE D'EXPANSION
MODULE HYDRAULIQUE AVEC POMPE DOUBLE BASSE PRESSION SANS VASE D'EXPANSION
MODULE HYDRAULIQUE AVEC POMPE SIMPLE HAUTE PRESSION SANS VASE D'EXPANSION
MODULE HYDRAULIQUE AVEC POMPE DOUBLE HAUTE PRESSION SANS VASE D'EXPANSION
BUS COMMUNICATION LON OU JBUS
BUS COMMUNICATION BACNET
CHAUDIERE
STAGE ELECTRIQUE
FILTRE CEM VARIATION VITESSE VENTILATEUR CONDENSEUR
FILTRE CEM VARIATION VITESSE POMPE
MODULE BALLON TAMPON AVEC APPOINT ELEC 16kw
MODULE BALLON TAMPON AVEC APPOINT ELEC 31kw
MODULE BALLON TAMPON AVEC APPOINT ELEC 45kw
CONSIGNE AJUSTABLE PAR SIGNAL 4-20mA
GESTION AERO FREE COOLING
CIRCUIT PUISSANCE/COMMANDE POMPE SIMPLE BP
CIRCUIT PUISSANCE/COMMANDE POMPE DOUBLE BP
CIRCUIT PUISSANCE/COMMANDE POMPE SIMPLE HP
CIRCUIT PUISSANCE/COMMANDE POMPE DOUBLE HP
CIRCUIT PUISSANCE/COMMANDE POMPE SIMPLE VARIABLE HP
CIRCUIT PUISSANCE/COMMANDE POMPE DOUBLE VARIABLE HP

SCHEMA SIMPLIFIE
SIMPLIFIED WIRING
VEREINFACHTES SCHEMA

SEMPLIFICATI COLLEGAMENTI
SIMPLIFICADO CABLEDO

LD/ILD 150 -> 600



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A1 - A3 MICROPROCESSOR-BASED MASTER MODULE
A2 DISPLAY
A3A INPUT/OUTPUT MODULE
A148 J-BUS BOARD
BP1 DISCHARGE PRESSURE TRANSDUCER, CIRCUIT A
BP2 DISCHARGE PRESSURE TRANSDUCER, CIRCUIT B
BP3 SUCTION PRESSURE TRANSDUCER. CIRCUIT A
BP4 SUCTION PRESSURE TRANSDUCER. CIRCUIT B
BP90.1 - BP90.2 WATER PUMP PRESSURE TRANSDUCER
EC1-EC2-EC3 COMPRESSOR CIRCUIT A
EC3 - EC4 COMPRESSOR CIRCUIT B
ED1 - ED2 EXPANSION VALVE
EH40 BUFFER TANK HEATER
EH41 EVAPORATOR HEATER
EH90 EVAPORATOR WATER CIRCUIT HEATING ELEMENT
EH90A AUXILIARY EVAPORATOR WATER CIRCUIT HEATING ELEMENT
EH90B BUFFER TANK CIRCUIT HEATERS
EH100 ELECTRICAL BOX HEATER
EH141 - EH142 COIL HEATER
EH307.1...EH307.3 BUFFER TANK ELECTRICAL HEATER
EH1C ... EH4C COMPRESSOR HEATER
EP90 - EP90A WATER PUMP
EV11 - EV13 CONDENSER FAN
FU - FUA CONTROL FUSE PROTECTION
FU1 ... FU4 COMPRESSOR CIRCUIT PROTECTION
GS1 ... GS4 SOFT START DEVICE, COMPRESSOR
GS11 - GS13 CONDENSER FAN MOTOR VARIABLE SPEED DRIV
GS90 PUMP MOTOR VARIABLE SPEED DRIVE
K41 HEATER RELAY
K307.1 ... K307.3 CONTACTOR BUFFER TANK ELECTRICAL HEATER
KM1 ... KM4 CONTACTOR COMPRESSOR
KM11...KM14 CONDENSER FAN CONTACTOR
KM90 - KM90A EVAPORATOR PUMP CONTACTOR
QF CIRCUIT BREAKER
QF307.1...QF307.3 CIRCUIT BRAKER BUFFER TANK ELECTRICAL HEATER
QM11 ... QM13 VENTILATOR CIRCUIT PROTECTION
QM90 - QM90A WATER PUMP CIRCUIT PROTECTION
QS100 GENERAL DISCONNECT SWITCH
RT1 EVAPORATOR LEAVING WATER TEMPERATURE SENSOR
RT2 EVAPORATOR ENTERING WATER TEMPERATURE SENSOR
RT10 AMBIENT OR OUTSIDE AIR TEMPERATURE SENSOR
RT11A - RT12A DEFROST TEMPERATURE SENSOR
RT31 - RT32 SUCTION TEMPERATURE SENSOR
RT100 EVAPORATOR COMMUN LEAVING WATER TEMPERATURE SENSOR
(LEAD-LAG)
SP90F EVAPORATOR PUMP FLOW SWITCH
SP101F - SP102F HIGH PRESSURE SAFETY SWITCH
TC CONTROL CIRCUIT TRANSFORMER
YV41 - YV42 CIRCUIT CYCLE REVERSAL VALVE

YV71 OIL SOLENOID VALVE
ZGS11 - ZGS13 EMC FAN FILTER
ZGS90 EMC PUMP FILTER

CUSTOMER CONTROL CONNECTIONS

- 1 REMOTE ON / OFF
- 2 REMOTE SETPOINT SELECT
- 3 DEMAND LIMIT #1
- 4 DEMAND LIMIT #2
- 5 FLOW SWITCH/ INTERLOCK SWITCH
- 6 REMOTE HEAT - COOL
- 7 RUNNING
- 8 ALARM / ALERT
- 11 BOILER
- 12 DESUPERHEATER SWITCH
- 13 ELECTRICAL HEATER STAGE 1
- 14 ELECTRICAL HEATER STAGE 2
- 15 ELECTRICAL HEATER STAGE 3
- 16 ELECTRICAL HEATER STAGE 4
- 17 EXTERNAL PUMP CONTROL BY 0-10V SIGNAL

ACCESSORIES AND OPTIONS

VERY LOW TEMPERATURE UNIT
LOW NOISE OPTION
SOFT START
WINTER START
HYDRONIC MODULE HEATER
EXCHANGER & HYDRAULIC FROST PROTECTION
DESUPERHEATER
DUPLEXING
HIGH PRESSURE HYDRONIC KIT WITH SINGLE PUMP WITHOUT EXPANSION VESSEL
HIGH PRESSURE HYDRONIC MODULE WITH TWIN PUMP WITHOUT EXPANSION VESSEL
LOW PRESSURE HYDRONIC KIT WITH SINGLE PUMP WITHOUT EXPANSION VESSEL
LOW PRESSURE HYDRONIC KIT WITH TWIN PUMP WITHOUT EXPANSION VESSEL
HIGH PRESSURE HYDRONIC KIT WITH VARIABLE SPEED SINGLE PUMP WITHOUT EXPANSION VESSEL
HIGH PRESSURE HYDRONIC KIT WITH VARIABLE SPEED TWIN PUMP WITHOUT EXPANSION VESSEL
BUS LON OR JBUS
BUS BACNET
BOILER
ELECTRICAL HEAT STAGE
REINFORCED ECM FILTRATION FOR VARIABLE SPEED FAN
REINFORCED ECM FILTRATION FOR VARIABLE SPEED PUMP
WATER BUFFER TANK MODULE WITH ELEC. HEATER 16kw
WATER BUFFER TANK MODULE WITH ELEC. HEATER 31kw
WATER BUFFER TANK MODULE WITH ELEC. HEATER 45kw
SETPOINT ADJUSTABLE BY 4-20mA SIGNAL
FREE COOLING DRY COOLER MANAGEMENT
LP SINGLE PUMP POWER/CONTROL CIRCUIT
LP DUAL PUMP POWER/CONTROL CIRCUIT
HP SINGLE PUMP POWER/CONTROL CIRCUIT
HP DUAL PUMP POWER/CONTROL CIRCUIT
HP VS SINGLE PUMP POWER/CONTROL CIRCUIT
HP VS DUAL PUMP POWER/CONTROL CIRCUIT

SCHEMA SIMPLIFIE
SIMPLIFIED WIRING
VEREINFACHTES SCHEMA

SEMPLIFICATI COLLEGAMENTI
SIMPLIFICADO CABLEDO

LD/ILD 150 -> 600



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A1 - A3 HAUPTMODUL
A2 BEDIENUNGS- UND ANZEIGE-MODUL
A3A HAUPTPLATINE
A148 J-BUS SCHNITTSTELLE RS232/RS485
BP1 MESSWANDLER VERDICHUNGSDRUCK, KREISLAUF A
BP2 MESSWANDLER VERDICHUNGSDRUCK, KREISLAUF B
BP3 MESSWANDLER SAUGDRUCK, KREISLAUF A
BP4 MESSWANDLER SAUGDRUCK, KREISLAUF B
BP90.1 - BP90.2 DRUCKMESSWANDLER ULIKPUMPE
EC1-EC2-EC3 VERDICHTER KREISLAUF A
EC3 - EC4 VERDICHTER KREISLAUF B
ED1 - ED2 ELEKTRONISCHES EXPANSIONSVENTIL
EH40 PUFFERSPEICHERHEIZUNG
EH41 VERDAMPFERHEIZUNG
EH90 HEIZUNG IM VERDAMPFER-WASSERKREISLAUF
EH90A ZUSATZHEIZUNG IM VERDAMPFER-WASSERKREISLAUF
EH90B BEGLEITHEIZUNG SPEICHERHEIZUNGSKREIS
EH100 VORWARMER HINKT ELEKTRISCH
EH141 - EH142 FROSTSCHUTZ HEIZUNG
EH307.1...EH307.3 BUFFER TANK ELECTRICAL HEATER
EH1C ... EH4C KURBELWANNENHEIZUNG VERDICHTER
EP90 - EP90A WASSER PUMPE
EV11 - EV13 VERFLUESSIGERVENTILATOR
FU - FUA SCHMELZBARER SCHUTZ KONTROLLIERT
FU1 ... FU4 SCHUTZSCHALTER VERDICHTER
GS1 ... GS4 SANFTANLAUFREGLER, VERDICHTER
GS11 - GS13 DREHZAHLEGLER VERFLUESSIGERVENTILATOR-MOTOR
GS90 SCHMELZBARER SCHUTZ KONTROLLIERT
K41 STEUERRELAIS HEIZUNG
K307.1 ... K307.3 CONTACTOR BUFFER TANK ELECTRICAL HEATER
KM1 ... KM4 SCHUETZ VERDICHTER
KM11 ... KM14 SCHUETZ VERFLUESSIGERVENTILATOR
KM90 - KM90A SCHUETZ VERDAMPFERPUMPE
QF SCHUTZSCHALTER
QF307.1...QF307.3 CIRCUIT BRAKER BUFFER TANK ELECTRICAL HEATER
QM11 ... QM13 SCHUTZSCHALTER VERFLUESSIGERVENTILATOR
QM90 - QM90A SCHUTZSCHALTER KALTWASSERPUMPE
QS100 HAUPT-TRENNSCHALTER
RT1 TEMPERATURFUEHLER VERDAMPFER-KALTWASSER-AUSTRITT
RT2 TEMPERATURFUEHLER VERDAMPFER-KALTWASSER-EINTRITT
RT10 UMGEBUNGS- ODER AUSSENLUFT- TEMPERATURFUEHLER
RT11A - RT12A FÜHLER ABTAUUNG
RT31 - RT32 TEMPERATUR SENSOR SAUGASS
RT100 FÜHLER GEMEINSAME KALTWASSERAUSTRITTS-TEMPERATUR (LEAD-LAG)
SP90F STROEMUNGSWAECHTER KALTWASSER
SP101F - SP102F HOCHDRUCK-SICHERHEITS-SCHALTER
TC TRANSFORMATOR STEUERSTROMKREIS
YV41 - YV42 KREISLAUF UMKEHRVENTIL

YV71 OELVENTIL VERDICHTER
ZGS11 - ZGS13 FILTER CEM VENTILATOR
ZGS90 CEM-FILTER PUMPT

KUNDEN STEUERKLEMMLEISTE

- 1 FERNBEDIENUNG EIN / AUS
- 2 FERNUMSCHALTUNG HEIZEN - KÜHLEN
- 3 LEISTUNGS-AUFNAHMEBEGRENZUNG #1
- 4 LEISTUNGS-AUFNAHMEBEGRENZUNG #2
- 5 SCHALTER DES FLUSS-SWITCH/INTERLOCK
- 6 FERNHITZE/KÜHLEN AB
- 7 LAUFEN
- 8 ALARME / ALERT
- 11 ANSTEUERUNG BOILER
- 12 VON-UBERHITZER
- 13 ELEKTROWARME-STADIUM 1
- 14 ELEKTROWARME-STADIUM 2
- 15 ELEKTROWARME-STADIUM 3
- 16 ELEKTROWARME-STADIUM 4
- 17 EXTERNAL PUMP CONTROL BY 0-10V SIGNAL

ZUBEHOR UND OPTIONS

MASCHINE SEHR TIEFE TEMPERATUR
NIEDRIGER GERAUSCHPEGEL
SANFTANLAUFREGLER
WINTERANLAUF
HEIZUNG IM VERDAMPFER WASSER KREISLAUF
HEIZUNG IM VERDAMPFER WASSER KREISLAUF
UBERHITZER
GEMEINSAME SONDE KALTES WASSER
HYDRONIK MODUL MIT PUMPE EINFACHER HOHER DRUCK OHNE AUSDEHNUNGSGEFAB
HYDRONIK MODUL MIT PUMPE DOPPELTER HOHER DRUCK OHNE AUSDEHNUNGSGEFAB
HYDRONIK MODUL MIT PUMPE EINFACHERNIEDRIGER DRUCK OHNE AUSDEHNUNGSGEFAB
HYDRONIK MODUL MIT PUMPE DOPPELTER NIEDRIGER DRUCK OHNE AUSDEHNUNGSGEFAB
HYDRONIK MODUL MIT PUMPE EINFACHER HOHER DRUCK OHNE AUSDEHNUNGSGEFAB
HYDRONIK MODUL MIT PUMPE DOPPELTER HOHER DRUCK OHNE AUSDEHNUNGSGEFAB
JBUS - BACNET - LON
BACNET
KESSEL
ELEKTRISCHES PRAKTIKUM
FILTER CEM VERANDERUNG GESCHWINDIGKEIT KONDENSATORVENTILATOR
ERHOEHTE ECM-FILTRATION FUER PUMPE MIT VARIABLER DREHZAHLE
WATER BUFFER TANK MODULE WITH ELEC. HEATER 16kw
WATER BUFFER TANK MODULE WITH ELEC. HEATER 31kw
WATER BUFFER TANK MODULE WITH ELEC. HEATER 45kw
SOLLWERT EINSTELLBAR UBER 4-20mA-SIGNAL
FREE COOLING-TROCKENKUEHLERSTEUERUNG
LEISTUNGS-/STEUERSTROMKREIS FÜR ND-EINZELPUMPE
LEISTUNGS-/STEUERSTROMKREIS FÜR ND-DOPPELPUMPE
LEISTUNGS-/STEUERSTROMKREIS FÜR HD-EINZELPUMPE
LEISTUNGS-/STEUERSTROMKREIS FÜR HD-DOPPELPUMPE
HP VS SINGLE PUMP POWER/CONTROL CIRCUIT
HP VS DUAL PUMP POWER/CONTROL CIRCUIT

SCHEMA SIMPLIFIE
SIMPLIFIED WIRING
VEREINFACHTES SCHEMA

SEMPLIFICATI COLLEGAMENTI
SIMPLIFICADO CABLEDO

LD/ILD 150 -> 600



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A1 - A3 MODULO PRINCIPALE A MICROPROCESSORE
 A2 DISPLAY
 A3A MODULO A MICROPROCESSORE
 A148 CHEDA J BUS
 BP1 TRASDUTTORE DELLA PRESSIONE DI MANDATA, CIRCUITO A
 BP2 TRASDUTTORE DELLA PRESSIONE DI MANDATA, CIRCUITO B
 BP3 TRASDUTTORE DELLA PRESSIONE DI ASPIRAZIONE. CIRCUITO A
 BP4 TRASDUTTORE DELLA PRESSIONE DI ASPIRAZIONE. CIRCUITO B
 BP90.1 - BP90.2 TRASDUTTORE PRESSIONE USCITA ACQUA POMPA
 EC1-EC2-EC3 COMPRESSORE, CIRCUITO A
 EC3 - EC4 COMPRESSORE, CIRCUITO B
 ED1 - ED2 VALVOLA ELETTRONICA DESPANSIONE
 EH40 RISCALDATORE SERBATOIO DI ACCUMULO
 EH41 ELETTRORISCALDATORE DELL'EVAPORATORE
 EH90 RISCALDATORE CIRCUITO ACQUA
 EH90A ELEMENTO RISCALDANTE AUSILIARIO DEL CIRCUITO IDRICO EVAPORATORE
 EH90B RISCALDATORI CIRCUITO SERBATOIO DI ACCUMULO
 EH100 RADIATORE ZOPPICA ELETTRICO
 EH141 - EH142 RISCALDATORE BATTERIA
 EH307.1...EH307.3 BUFFER TANK ELECTRICAL HEATER
 EH1C ... EH4C RISCALDATORE CARTER COMPRESSORE
 EP90 - EP90A POMPA ACQUA
 EV11 ... EV13 VENTILATORE DEL CONDENSATORE
 FU - FUA PROTEZIONE CIRCUITO CONTROLLA
 FU1 ... FU4 MAGNETOTERMICO CIRCUITO AUSILIARIO, CIRCUITO B
 GS1 ... GS4 AVVIAMENTO A CORRENTE RIDOTTA, COMPRESSORE
 GS11 - GS13 VARIATORE DI VELOCITA DEL MOTORE VENTILATORE
 GS90 DISPOSITIVO DE ARRANQUE A TENSION REDUCIDA
 K41 RELE COMANDA RADIATORE
 K307.1 ... K307.3 CONTACTOR BUFFER TANK ELECTRICAL HEATER
 KM1 ... KM4 TELERUTTORE, COMPRESSORE
 KM11 ... KM14 TELERUTTORE DEL VENTILATORE DEL CONDENSATORE
 KM90 - KM90A TELERUTTORE DELLA POMPA DELL'EVAPORATORE
 QF INTERRUTTORE MAGNETOTERMICO, CIRCUITO
 QF307.1...QF307.3 CIRCUIT BRAKER BUFFER TANK ELECTRICAL HEATER
 QM11 ... QM13 MAGNETOTERMICO DEL VENTILATORE DEL CONDENSATORE
 QM90 - QM90A MAGNETOTERMICO DEL VENTILATORE DELLA POMPA ACQUA AVAPORATORE
 QS100 SEZIONATORE GENERALE
 RT1 SONDA DI TEMPERATURA ACQUA USCITA EVAPORATORE
 RT2 SONDA DI TEMPERATURA ACQUA ENTRATA EVAPORATORE
 RT10 SONDA TEMPERATURA ESTERNA O AMBIENTE
 RT11A - RT12A SONDA DI SBRINAMENTO
 RT31 - RT32 SENSORE AWOOLGIMENTI MOTORE COMPRESSORE
 RT100 SENSORE ACQUA IN USCITA COMUNE (LEAD/LAG)
 SP90F FLUSSOSTATO POMPA EVAPORATORE
 SP101F - SP102F PRESSOSTATO DI ALTAX
 TC TRASFORMATORE DEL CIRCUITO DI CONTROLLO
 YV41 - YV42 VALVOLA D'INVERSIONE
 YV71 VALVOLA DELL OLIO COMPRESSORE

ZGS11 - ZGS13 FILTRO CEM VENTILATORE
 ZGS90 FILTRO CEM POMPA

COLLEGAMENTI DI CONTROLLO PER CLIENTE

- 1 CONTROLLO REMOTO ON/OFF
- 2 SELEZIONE AFFATO DI CONSEGNA
- 3 LIMITAZIONE DI CAPACITA 1
- 4 LIMITAZIONE DI CAPACITA 2
- 5 CONTROLLO CLIENTE / FLUSSO D'ACQUA
- 6 COMANDO CALDO / FREDDO A DISTANZA
- 7 IN FUNZIONAMENTO
- 8 ALLARME / ALLARME
- 11 CALDAIA
- 12 SURRISCALDATORE
- 13 RESISTENZA DI RISCALDAMENTO 1
- 14 RESISTENZA DI RISCALDAMENTO 2
- 15 RESISTENZA DI RISCALDAMENTO 3
- 16 RESISTENZA DI RISCALDAMENTO 4
- 17 EXTERNAL PUMP CONTROL BY 0-10V SIGNAL

ACCESSORI ED OPZIONI

UNITE TRES BASSE TEMPERATURA BASSA
 OPZIONE SILENZIATA
 AVVIAMENTO A CORRENTE RIDOTTA
 AVVIAMENTO INVERNALE
 RISCALDATORE CIRCUITO ACQUA
 RISCALDATORE CIRCUITO ACQUA
 SURRISCALDATORE
 PREDISPOSIZIONE PER DUPLEX
 MODULO IDRAULICO CON POMPA SEMPLICE ALTA PRESSIONE SENZA FANGO D'ESPANSIONE
 MODULO IDRAULICO CON POMPA DOPPIA ALTA PRESSIONE SENZA FANGO D'ESPANSIONE
 MODULO IDRAULICO CON POMPA SEMPLICE PRESSIONE BASSA SENZA FANGO D'ESPANSIONE
 MODULO IDRAULICO CON POMPA DOPPIA PRESSIONE BASSA SENZA FANGO D'ESPANSIONE
 MODULO IDRAULICO CON POMPA SEMPLICE ALTA PRESSIONE SENZA FANGO D'ESPANSIONE
 MODULO IDRAULICO CON POMPA DOPPIA ALTA PRESSIONE SENZA FANGO D'ESPANSIONE
 SCHEDA PER J-BUS
 AUTOBUS COMUNICAZIONE BACNET
 CALDAIA
 STAGE ELETTRICO
 FILTRO CEM VARIAZIONE VELOCITA VENTILATORE CONDENSATORE
 FILTRO CEM VARIAZIONE VELOCITA POMPA
 SET-POINT REGOLABILE TRAMITE SEGNALE 4-20ma
 WATER BUFFER TANK MODULE WITH ELEC. HEATER 16kw
 WATER BUFFER TANK MODULE WITH ELEC. HEATER 31kw
 WATER BUFFER TANK MODULE WITH ELEC. HEATER 45kw
 GESTIONE AERO FREE COOLING
 ALIMENTAZION/CIRCUITO DI CONTROLLO POMPA SINGOLA BP
 ALIMENTAZION/CIRCUITO DI CONTROLLO DOPPIA POMPA BP
 ALIMENTAZION/CIRCUITO DI CONTROLLO POMPA SINGOLA AP
 ALIMENTAZION/CIRCUITO DI CONTROLLO DOPPIA POMPA AP
 HP VS SINGLE PUMP POWER/CONTROL CIRCUIT
 HP VS DUAL PUMP POWER/CONTROL CIRCUIT

SCHEMA SIMPLIFIE
 SIMPLIFIED WIRING
 VEREINFACHTES SCHEMA

SEMPLIFICATI COLLEGAMENTI
 SIMPLIFICADO CABLEDO

LD/ILD 150 -> 600



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A1 - A3 MODULO PRINCIPAL BASADO EN MICROPROCESADOR
A2 PANTALLA
A3A MODULO BASADO EN MICROPROCESADOR
A148 TARJETA J BUS
BP1 TRANSDUCTOR DE PRESION DE DESCARGA, CIRCUITO A
BP2 TRANSDUCTOR DE PRESION DE DESCARGA, CIRCUITO B
BP3 TRANSDUCTOR DE PRESION DE ASPIRACION, CIRCUITO A
BP4 TRANSDUCTOR DE PRESION DE ASPIRACION, CIRCUITO B
BP90.1 - BP90.2 TRANSDUCTOR DE PRESION BOMBEA HIDRAULICA
EC1-EC2-EC3 COMPRESOR, CIRCUITO A
EC3 - EC4 COMPRESOR, CIRCUITO B
ED1 - ED2 VALVULA DE EXPANSION ELECTRONICA
EH40 CALENTADOR DEPOSITO DE INTERCIA
EH41 CALENTADOR DEL EVAPORADOR
EH90 CALENTADOR DEL CIRCUITO DE AGUA DEL EVAPORADOR
EH90A ELEMENTO DE CALEFACCION AUXILIAR DEL CIRCUITO DE REFRIGERACION DEL AGUA DEL EVAPORADOR
. CALENTADORES CIRCUITO DEPOSITO DE INERCIA
EH90B CALENTADOR COJEA ELECTRICO
EH100 CALENTADOR DE LA BATERIA
EH141 - EH142 CALENTADOR DE LA BATERIA
EH307.1...EH307.3 BUFFER TANK ELECTRICAL HEATER
EH1C ... EH4C CALENTADOR DE CARTER DEL COMPRESOR
EP90 - EP90A BOMBA DE AGUA
EV11 ... EV13 VENTILADOR DEL CONDENSADOR
FU - FUA PROTECCION CIRCUITO CONTROLLA
FU1 ... FU4 INTERRUPTOR DEL COMPRESOR
GS1 ... GS4 DISPOSITIVO DE ARRANQUE A TENSION REDUCIDA, COMPRESOR
GS11 - GS13 VARIADOR DE VELOCIDAD DEL MOTOR DEL VENTILADOR DEL CONDENSADOR
GS90 DISPOSITIVO DE ARRANQUE A TENSION REDUDA
K41 ENLACE ENCARGA CALENTADOR
K307.1 ... K307.3 CONTACTOR BUFFER TANK ELECTRICAL HEATER
KM1 ... KM4 CONTACTOR, COMPRESOR
KM11 ... KM14 CONTACTOR DEL VENTILADOR DEL CONDENSADOR
KM90 - KM90A CONTACTOR DE LA BOMBA DEL EVAPORADOR
QF DISYUNTOR AUTOMATICO,
QF307.1...QF307.3 CIRCUIT BRAKER BUFFER TANK ELECTRICAL HEATER
QM11 ... QM13 INTERRUPTOR DE PROTECCION
QM90 - QM90A INTERRUPTOR DE LA BOMBA DE AGUA DEL EVAPORADOR
QS100 INTERRUPTOR GENERAL
RT1 Sonda de temperatura de salida del agua del evaporador
RT2 Sonda de temperatura de entrada del agua al evaporador
RT10 Sonda de temperatura ambiente o del aire exterior
RT11A - RT12A Sonda de desescarche
RT31 - RT32 Sonda de temperatura
RT100 Sensor de temperatura de la salida comun de agua del evaporador (LEAD/LAG)
. DEL EVAPORADOR (LEAD/LAG)
SP90F INTERRUPTOR DE FLUJO DE AGUA DE LA BOMBA DEL EVAPORADOR
SP101F - SP102F PRESOSTATO DE ALTA PRESION
TC TRANSFORMADOR DEL CIRCUITO DE CONTROL

YV41 - YV42 VALVULA DE INVERSION DE CICLO
YV71 VALVULA DE ACEITE COMPRESOR
ZGS11 - ZGS13 FILTRO CEM VENTILADOR
ZGS90 FILTRO CEM BOMBEA

CONEXIONES DE CONTROL DEL CLIENTE

- 1 ON / OFF REMOTO
- 2 SELECCION NO DE CONSIGNA
- 3 LIMITACION DE CAPACIDAD 1
- 4 LIMITACION DE CAPACIDAD 2
- 5 CONTROL CLIENTE / PRODUCCION DE AGUA
- 6 PEDIDO CALIENTE / FRIO A DISTANCIA
- 7 EN FUNCIONAMIENTO
- 8 ALARMA / ALERTA
- 11 CALDERA
- 12 CALENTADOR
- 13 RESISTENCIA DE CALEFACCION 1
- 14 RESISTENCIA DE CALEFACCION 2
- 15 RESISTENCIA DE CALEFACCION 3
- 16 RESISTENCIA DE CALEFACCION 4
- 17 EXTERNAL PUMP CONTROL BY 0-10V SIGNAL

ACCESORIOS Y OPCIONES

UNIDAD DE TEMPERATURA MUY BAJA (SALMUERA)
OPCION BAJO NIVEL SONORO
DISPOSITIVO DE ARRANQUE A TENSION REDUCIDA
ARRANQUE EN INVIERNO
CALENTADOR DEL CIRCUITO DE AGUA DEL AVAPORADOR
CALENTADOR DEL CIRCUITO DE AGUA DEL AVAPORADOR
CALENTADOR
UNIDAD DUPLEX
MODULO HIDROLICO CON BOMBA SIMPLE ALTA PRESION SIN BARRO DE EXTENSION
MODULO HIDROLICO CON BOMBA DOBLE ALTA PRESION SIN BARRO DE EXTENSION
MODULO HIDROLICO CON BOMBA SIMPLE BAJA PRESION SIN BARRO DE EXTENSION
MODULO HIDROLICO CON BOMBA DOBLE BAJA PRESION SIN BARRO DE EXTENSION
MODULO HIDROLICO CON BOMBA SIMPLE ALTA PRESION SIN BARRO DE EXTENSION
MODULO HIDROLICO CON BOMBA DOBLE ALTA PRESION SIN BARRO DE EXTENSION
TARJETA J-BUS
AUTOBUS COMUNICACION BACNET
CALDERA
PERIODO DE PRACTICAS ELECTRICO
FILTRO CEM VARIACION VELOCIDAD VENTILADOR CONDENSADOR
FILTRO CEM VARIACION VELOCIDAD BOMBEA
WATER BUFFER TANK MODULE WITH ELEC. HEATER 16kw
WATER BUFFER TANK MODULE WITH ELEC. HEATER 31kw
WATER BUFFER TANK MODULE WITH ELEC. HEATER 45kw
CONSIGNA AJUSTABLE MEDIANTE SENAL 4-20mA
GESTION DEL REFRIGERADOR POR AIRE FREE COOLING
CIRCUITO DE ALIMENTACION/CONTROL DE BOMBA UNICA DE BP
CIRCUITO DE ALIMENTACION/CONTROL DE BOMBA DOBLE DE BP
CIRCUITO DE ALIMENTACION/CONTROL DE BOMBA UNICA DE AP
CIRCUITO DE ALIMENTACION/CONTROL DE BOMBA DOBLE DE AP
HP VS SINGLE PUMP POWER/CONTROL CIRCUIT
HP VS DUAL PUMP POWER/CONTROL CIRCUIT

SCHEMA SIMPLIFIE
SIMPLIFIED WIRING
VEREINFACHTES SCHEMA

SEMPLIFICATI COLLEGAMENTI
SIMPLIFICADO CABLEDO

LD/ILD 150 -> 600

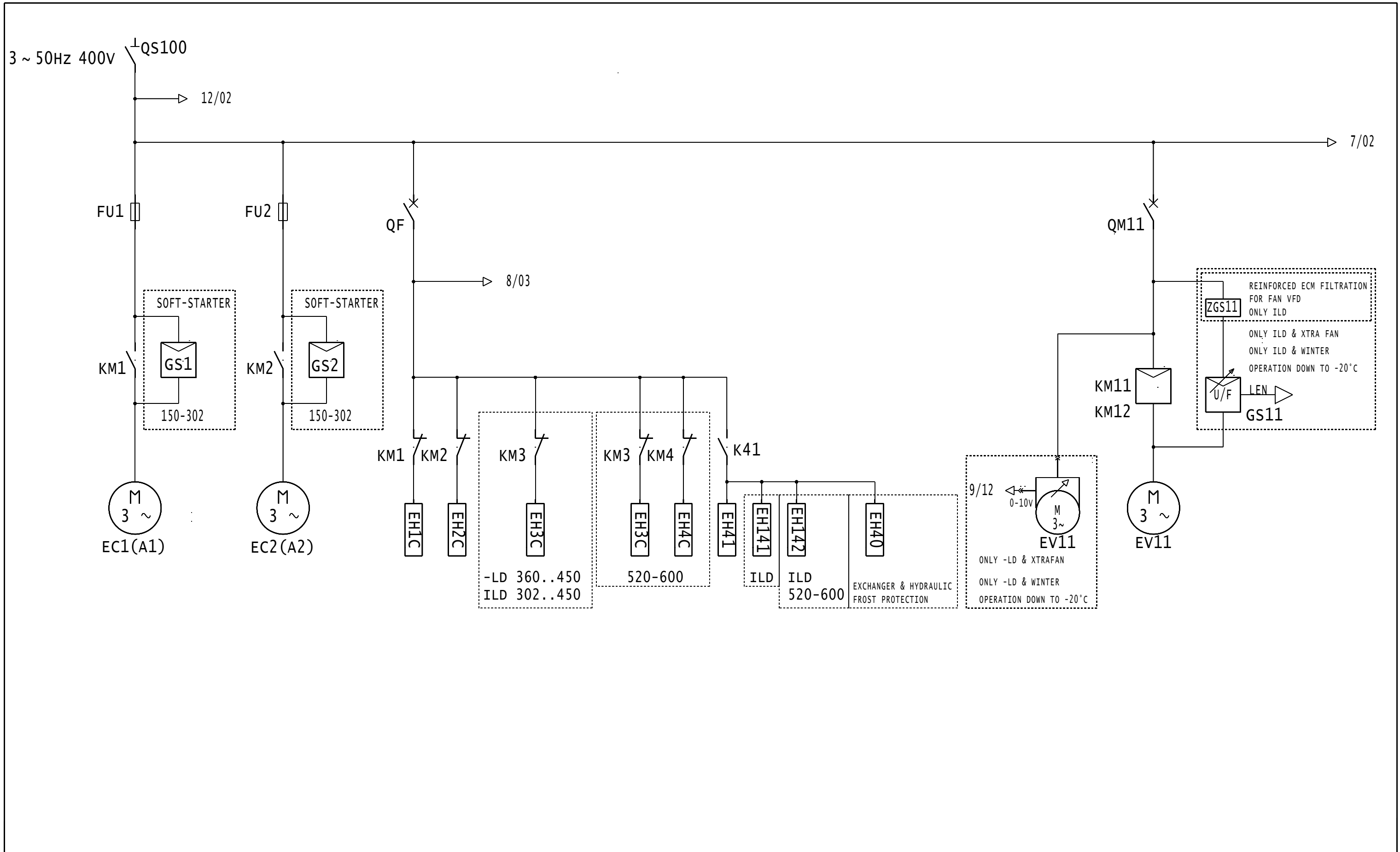



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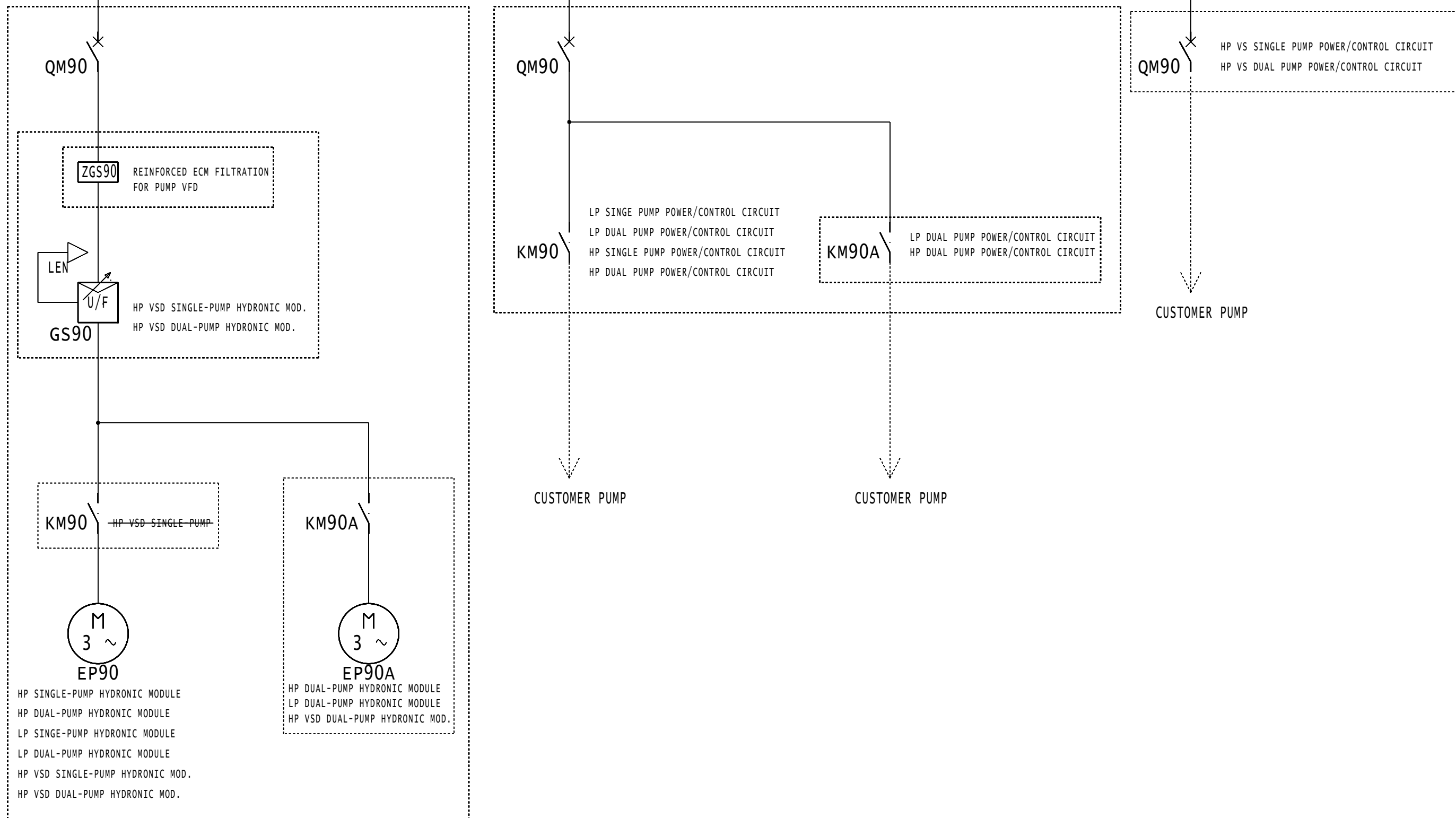
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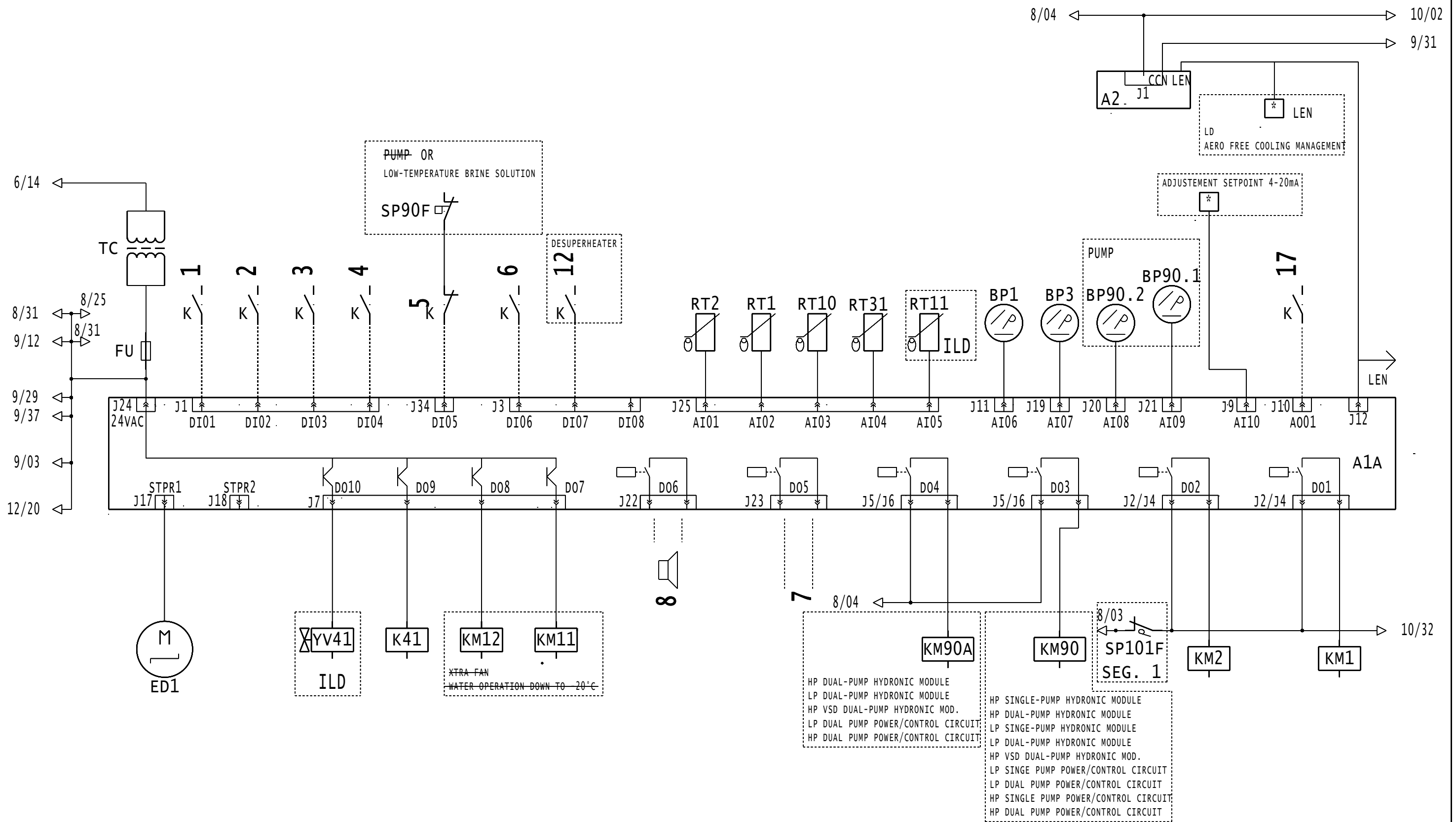
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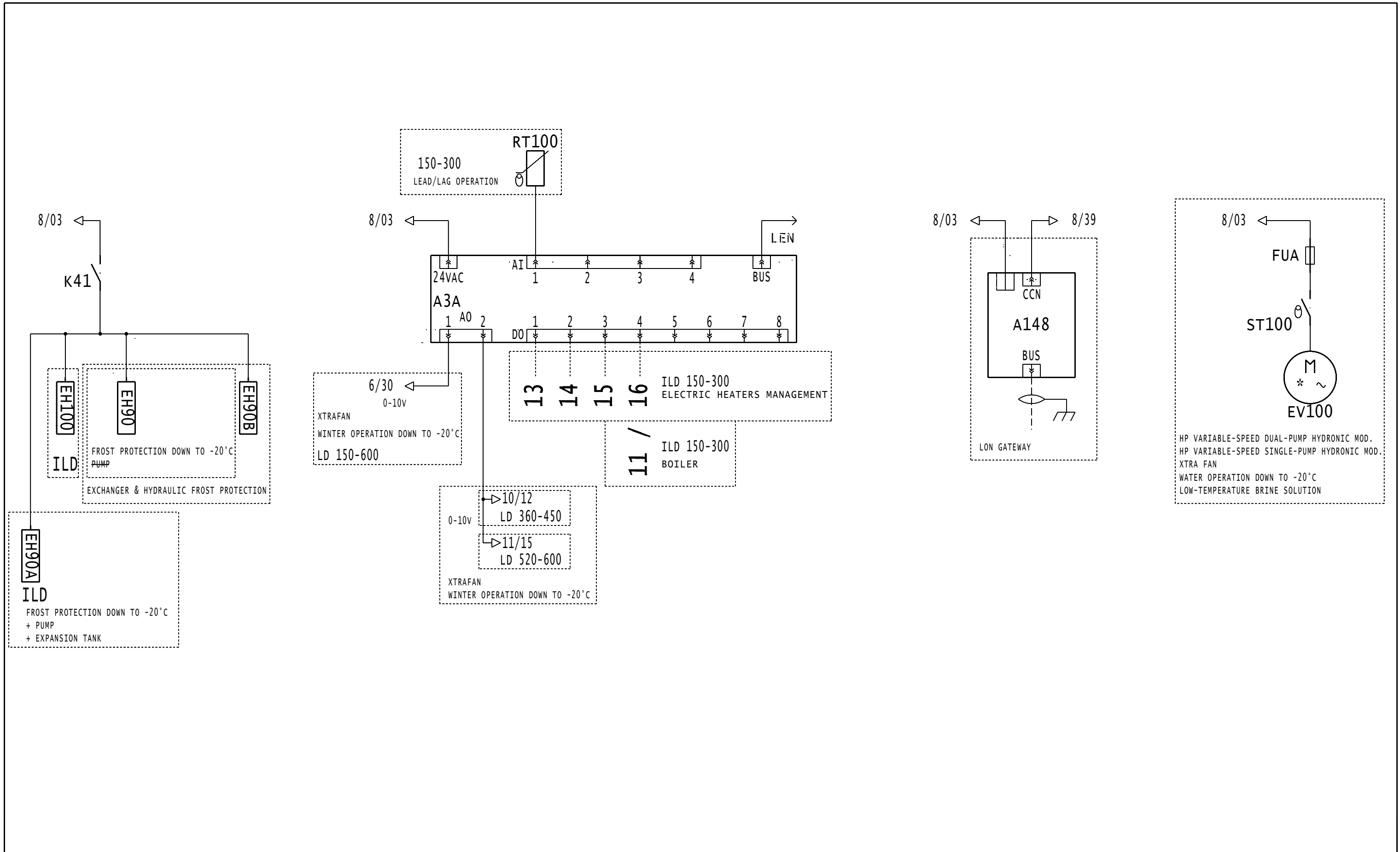
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SCHEMA SIMPLIFIE SIMPLIFIED WIRING VEREINFACHTES SCHEMA												SEMPLIFICATI COLLEGAMENTI SIMPLIFICADO CABLEDO												LD/ILD 150 -> 600						 04/03/2019		6							
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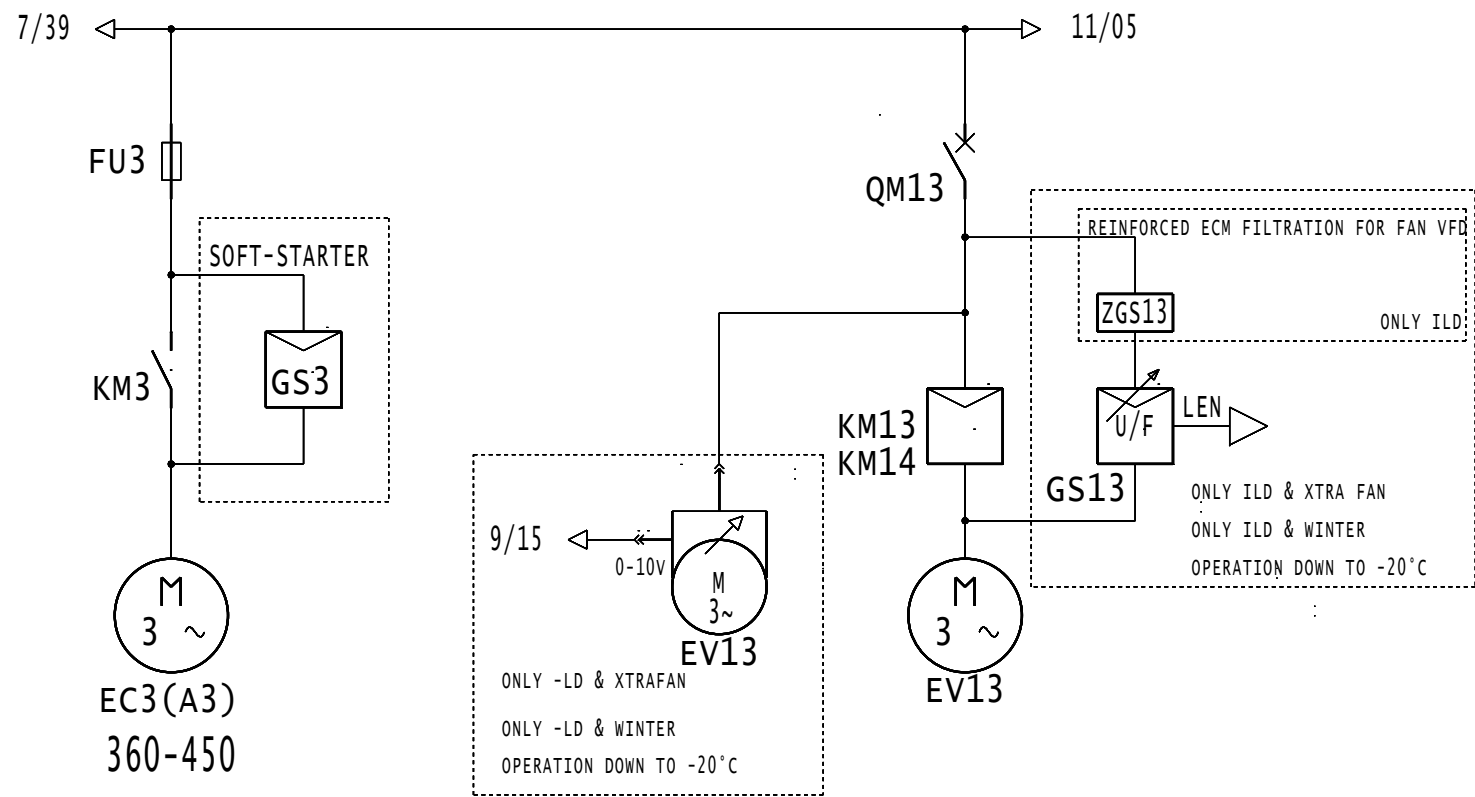
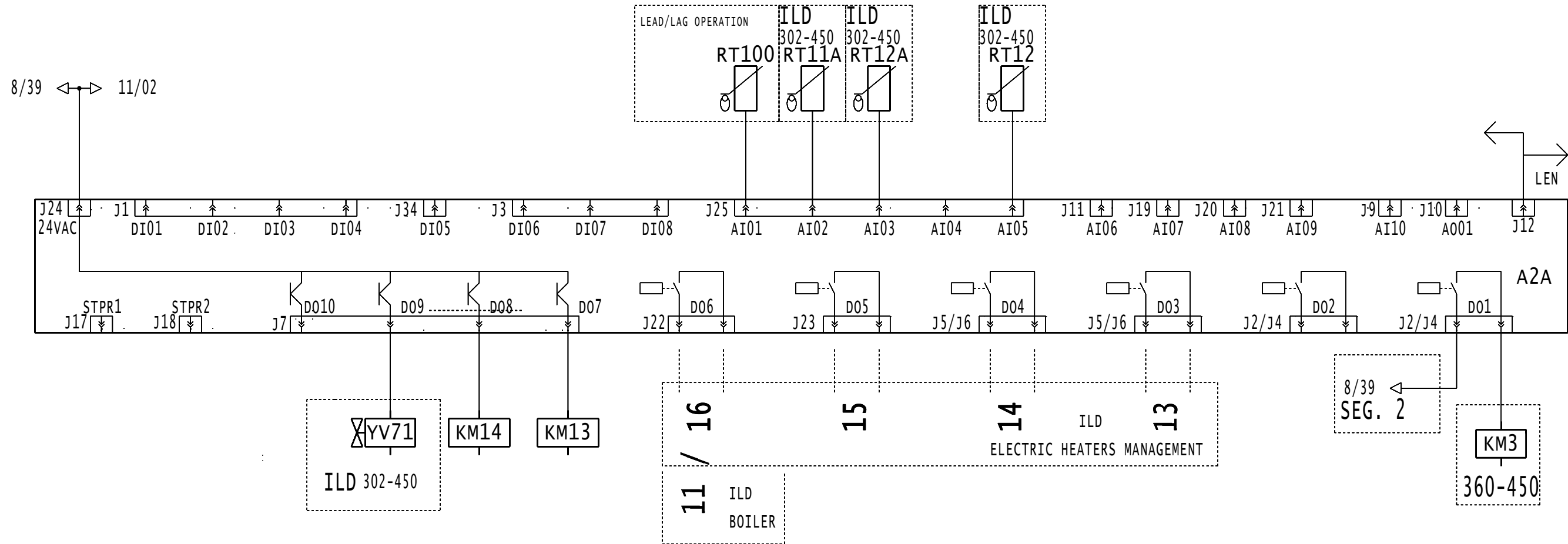
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SCHEMA SIMPLIFIE SIMPLIFIED WIRING VEREINFACHTES SCHEMA																	SEMPLIFICATI COLLEGAMENTI SIMPLIFICADO CABLEDO													LD/ILD 150 -> 600							04/03/2019		7
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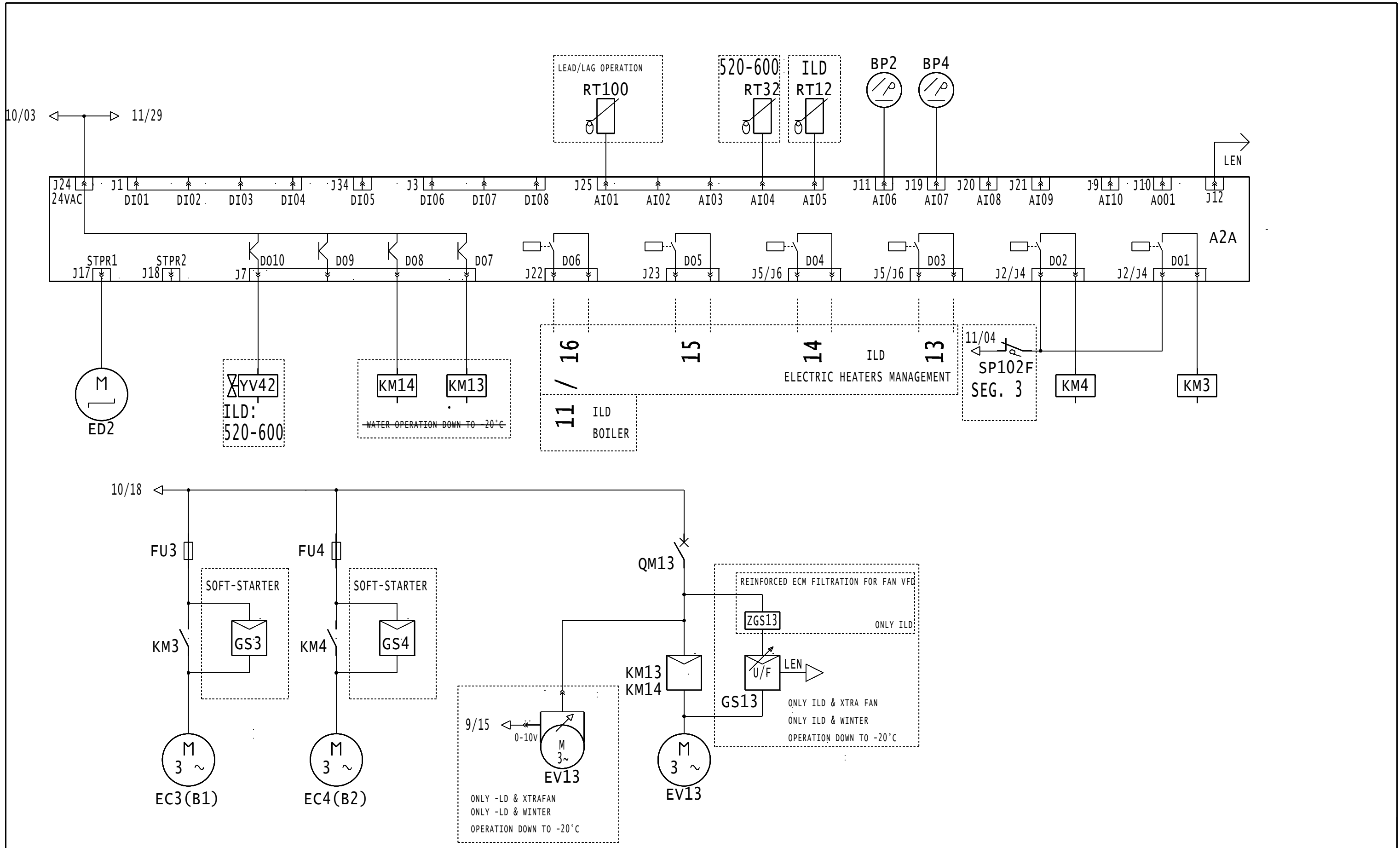
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SCHEMA SIMPLIFIE SIMPLIFIED WIRING VEREINFACHTES SCHEMA																	SEMPLIFICATI COLLEGAMENTI SIMPLIFICADO CABLEDO													LD/ILD 150 -> 600							04/03/2019		8	
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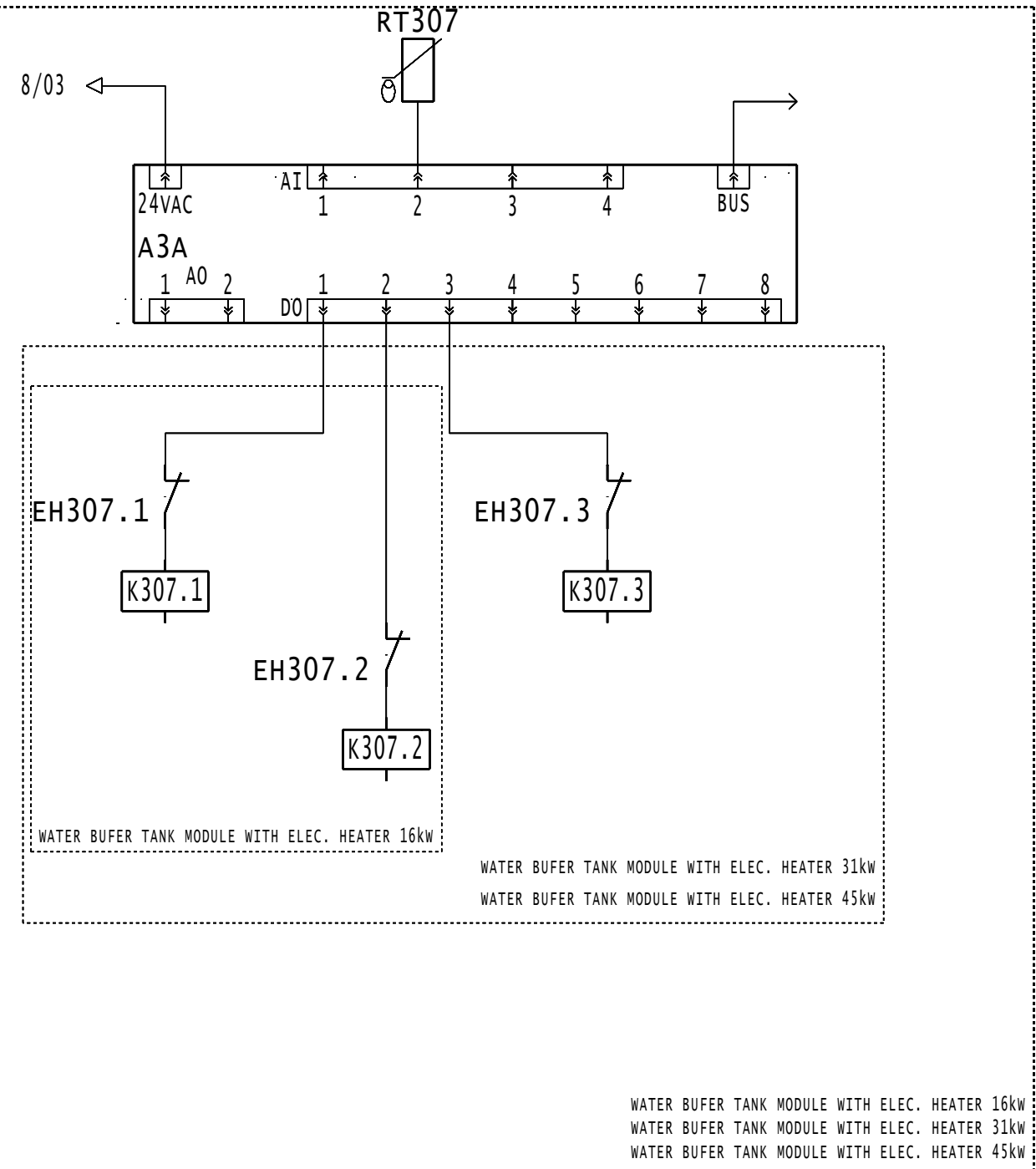
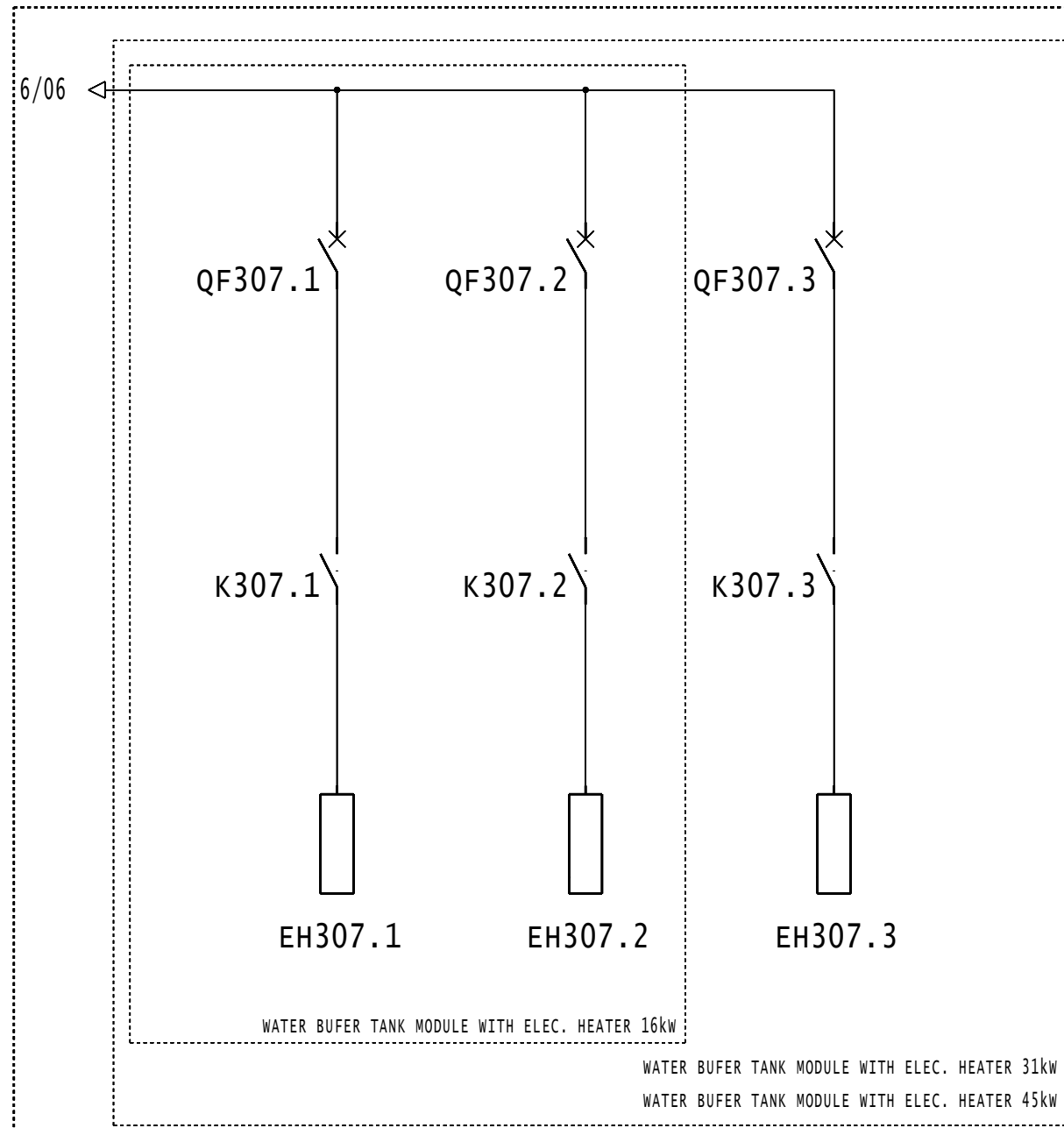



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SCHEMA SIMPLIFIE SIMPLIFIED WIRING VEREINFACHTES SCHEMA												SEMPLIFICATI COLLEGAMENTI SIMPLIFICADO CABLEDO												LD/ILD 150 -> 600						 04/03/2019		9							
																																	00DCG000190600						E



01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
SCHEMA SIMPLIFIE SIMPLIFIED WIRING VEREINFACHTES SCHEMA																SEMPLIFICATI COLLEGAMENTI SIMPLIFICADO CABLEDO														LD/ILD 360 -> 450 ILD 302				 04/03/2019		10			
00DCG000190600																																	E						





01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
SCHEMA SIMPLIFIE SIMPLIFIED WIRING VEREINFACHTES SCHEMA																	SEMPLOCIFICATI COLLEGAMENTI SIMPLIFICADO CABLEDO													ILD 150 -> 300					 04/03/2019		12		
00DCG000190600																																	E						