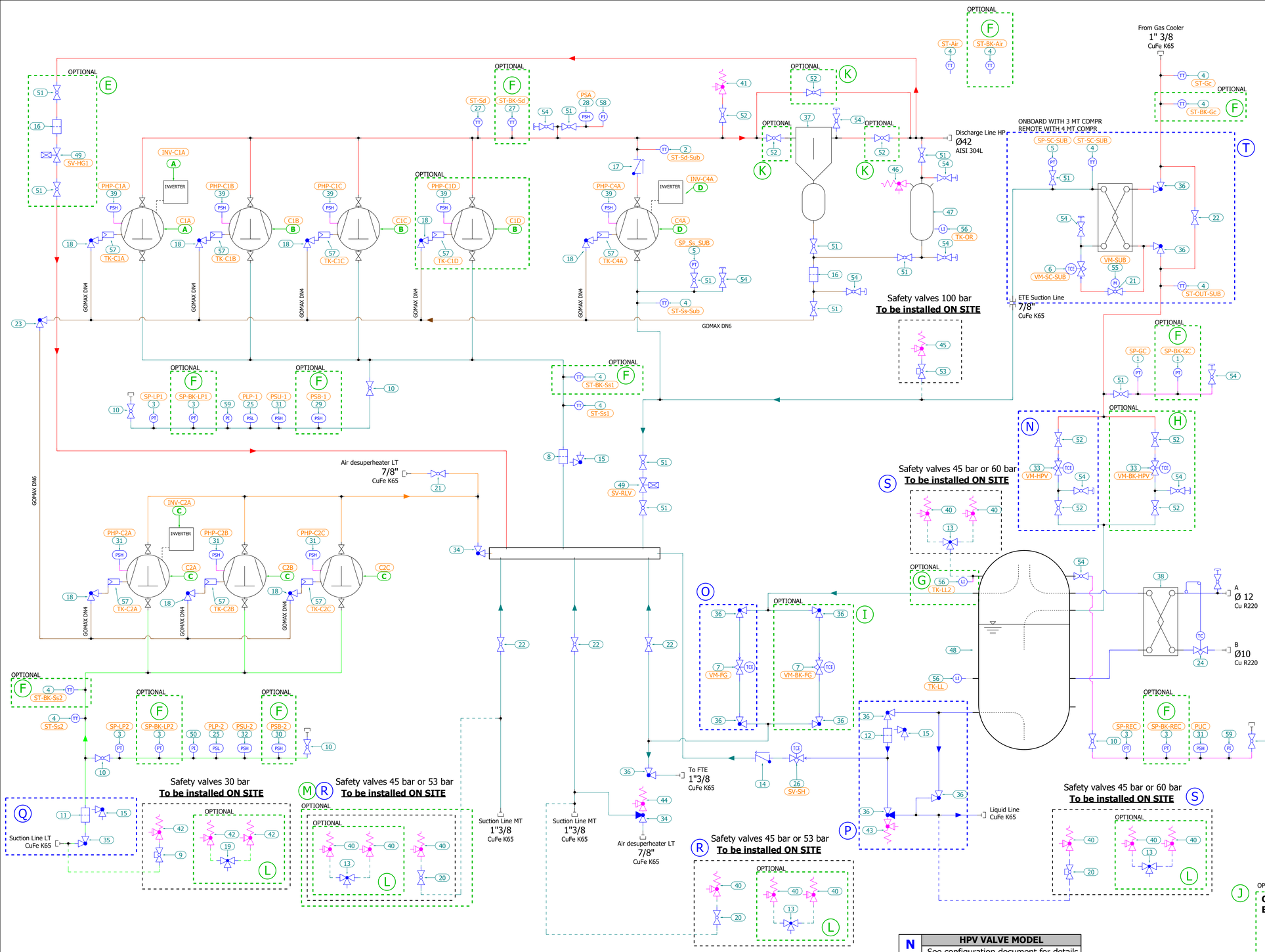
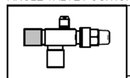



**WARNING / ATTENZIONE :**
Angle valves WITHOUT schrader
Rubinetti ad angolo SENZA schrader

ANGLE VALVE POSITION

| | |
|---|---|
|  | During the operation of the pack, angle valves with safety device must be completely open. |
| | Durante il funzionamento della centrale i rubinetti ad angolo con valvola di sicurezza devono essere completamente aperti. |

## BILL OF MATERIALS

| LABEL NUM. | DESCRIPTION |
|---|---|
| 1 | Pressure Transducer |
| 2 | Temperature Transducer |
| 3 | Pressure Transducer |
| 4 | Temperature Transducer |
| 5 | Pressure Transducer |
| 6 | Exspansion Valve |
| 7 | Exspansion Valve |
| 8 | Filter |
| 9 | Ball Shut-Off Valve For Safety Valve |
| 10 | Shut Off Valve |
| 11 | Filter |
| 12 | Filter |
| 13 | Changeover Devices For Safety Valve |
| 14 | Check Valve |
| 15 | Angle Valve |
| 16 | Filter |
| 17 | Check Valve |
| 18 | Angle Valve |
| 19 | Changeover Devices For Safety Valve |
| 20 | Ball Shut-Off Valve For Safety Valve |
| 21 | Shut Off Valve |
| 22 | Shut Off Valve |
| 23 | Angle Valve |
| 24 | Thermostatic Valve |
| 25 | Pressure Switch |
| 26 | Exspansion Valve |
| 27 | Temperature Transducer |
| 28 | Pressure Switch |
| 29 | Pressure Switch |
| 30 | Pressure Switch |
| 31 | Pressure Switch |
| 32 | Pressure Switch |
| 33 | Exspansion Valve |
| 34 | Angle Valve |
| 35 | Angle Valve |
| 36 | Angle Valve |
| 37 | Oil Separator |
| 38 | Exchanger |
| 39 | Pressure Switch |
| 40 | Safety Valve |
| 41 | Safety Valve |
| 42 | Safety Valve |
| 43 | Safety Valve |
| 44 | Safety Valve |
| 45 | Safety Valve |
| 46 | Safety Valve |
| 47 | Oil Reserve |
| 48 | Liquid Receiver 200 lt |
| 49 | Solenoid |
| 50 | Gauge |
| 51 | Shut Off Valve |
| 52 | Shut Off Valve |
| 53 | Shut Off Valve |
| 54 | Shut Off Valve |
| 55 | Motor For Valve |
| 56 | Level Sensor |
| 57 | Oil Regulator |
| 59 | Gauge |
| 58 | Gauge |

| | MT COMPRESSOR MODEL | DANFOSS INVERTER MODEL (IP20) |
|---|---|---|
| A | COMPR. 4JTE-10K-40P | FC103 134F7676 24A/11kW/400V |
| | COMPR. 4HTE-15K-40P | FC103 134F7489 32A/15kW/400V |
| | COMPR. 4GTE-20K-40P | FC103 134F7678 44A/22kW/400V |
| | COMPR. 4FTE-20K-40P | FC103 134F7679 61A/30kW/400V |
| | COMPR. 4DTE-25K-40P | |
| | COMPR. 4CTE-30K-40P | FC103 134F7680 73A/37kW/400V |

| | MT COMPRESSOR MODEL |
|---|---|
| B | COMPR. 4JTE-10K-40P (2-3X) |
| | COMPR. 4HTE-15K-40P (2-3X) |
| | COMPR. 4GTE-20K-40P (2-3X) |
| | COMPR. 4FTE-20K-40P (2-3X) |
| | COMPR. 4DTE-25K-40P (2-3X) |
| | COMPR. 4CTE-30K-40P (2-3X) |

| | LT COMPRESSOR MODEL | DANFOSS INVERTER MODEL (IP20) |
|---|---|---|
| C | COMPR. 2JSL-2K 40S (3X) | FC103 134F7669 7,2A/3KW/400V |
| | COMPR. 2HSL-3K 40S (3X) | FC103 134F7670 10A/4KW/400V |
| | COMPR. 2GSL-3K 40S (3X) | |
| | COMPR. 2FSL-4K 40S (3X) | FC103 134F7665 13A/5,5KW/400V |
| | COMPR. 2ESL-4K 40S (3X) | FC103 134F7663 16A/7,5KW/400V |
| | COMPR. 2DSL-5K 40S (3X) | |
| | COMPR. 2CSL-6K 40S (3X) | FC103 134F7676 24A/11KW/400V |

| | ETE COMPRESSOR MODEL | DANFOSS INVERTER MODEL (IP20) |
|---|---|---|
| D | COMPR. 4PTE-7K-40S | FC103 134F7676 24A/11KW/400V |
| | COMPR. 4MTE-10K-40S | |
| | COMPR. 4KTE-12K-40S | FC103 134F7489 32A/15kW/400V |
| | COMPR. 4HTE-20K-40S | FC103 134F7678 44A/22kW/400V |

| | OPTIONS |
|---|---|
| - | DESCRIPTION |
| E | HOT GAS BYPASS |
| F | BACKUP CONTROL |
| G | LIQUID LEVEL ALARM |
| H | BACKUP HPV VALVE |
| I | BACKUP FLASH GAS VALVE |
| J | BACKUP CONDENSING UNIT R134a |
| K | OIL SEPARATOR BYPASS |
| L | CHANGEOVER VALVE |
| M | SECOND SUCTION MT SAFETY VALVE |

| | |
|---|---|
| N | **HPV VALVE MODEL** See configuration document for details |
| O | **FLASH GAS VALVE MODEL** See configuration document for details |
| P | **LIQUID LINE** See configuration document for details |
| Q | **SUCTION LINE LT** See configuration document for details |
| R | **SUCTION MT SAFETY VALVE** See configuration document for details |
| S | **LIQUID LINE SAFETY VALVE** See configuration document for details |
| T | **ETE HEAT EXCHANGER** See configuration document for details |

**CAREL CONTROLLER**

**When both depicted, changeover safety valves available as an option in replacement of single safety valve**
**LIQUID LINE, either 45BAR or 60BAR**
**MT SUCTION LINE, either 45BAR or 53BAR**

- - - - - - (-) **ADDITIONAL DETAILS ON CONFIGURATION DOCUMENT**

- - - - - - (-) **OPTION**

Note:

| | | | |
|---|---|---|---|
| Epta | .A Ver. 00 | Project | SCHEMA EC93 4(3)+1+3GR CAREL |
| | Drawn by FOLTRAA Date 04/05/2022 | Customer | |
| | | Nation | Site |

Designed by Epta
Certification Reference 46105089/38533000/39716090
Power Supply 400V / 3ph / 50Hz

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All dimensions are external where not specified - Toutes cotations externes sauf spécification - Tutte le dimensioni sono riferite all'esterno se non specificato.