

Stationary compressors: GA 11-30 C Workplace (+ ID) with Elektronikon II,  
Y-D starter, IEC, 1 phase dryer  
AHB: Electrical diagram (9820 3554 11 ed. 04)

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COMPRESSOR

- R1 : dryer  
M1 : compressor motor  
M2 : fan motor  
PT20 : press. transducer delivery air  
TT11 : temp. sensor element outlet  
TT90 : temp. sensor LAT Dryer (Full feature)  
Y1 : solenoid valve
- 1 : cable solenoid valve to cubicle  
2 : cable temperature sensor to cubicle  
3 : cable press. transducer to cubicle  
4 : cable temp. sensor dryer to cubicle  
5 : cable supply EMD  
6 : cable solenoid valve for modulating control  
8 : cable temp.sensor energy recovery in to cubicle  
9 : cable temp.sensor energy recovery out to cubicle

STARTER CUBICLE

- E1 : compressor control module  
F1-11: fuses  
F21 : overload relay compressor motor  
K11 : aux. contactor dryer  
K21 : line contactor  
K22 : star contactor  
K23 : delta contactor  
K25 : phase sequence relay  
Q15 : circuit breaker  
S1' : remote START/Pr.STOP  
S3 : emergency stop  
S3' : emergency stop remote  
S4' : remote load/unload  
S6' : remote pressure set selection  
T1-2 :transformer  
T3 : transformer ID dryer  
IX0 : terminal strip (supply)  
IX1 : terminal strip (motor)  
IX2 : terminal strip (dryer)  
IX3 : terminal strip (earth)  
IX4 : terminal strip (230/115V AC)  
IX5 : plug (supply 24V AC download elektronikon)  
IX6 : terminal strip (elektronikon 24V DC)  
IX7 : terminal strip (potential free contacts)  
IX8 : terminal strip (options & signals)

COMPRESSOR CONTROL MODULE (E1)

- K01 : blocking relay  
K02 : aux. relay star contactor  
K03 : aux. relay delta contactor  
K04 : aux. relay load/unload  
K05 : aux. relay air press. high/low  
K06 : aux. relay dryer  
K07 : aux. relay manual/automatic operation  
K08 : aux. relay general warning  
K09 : aux. relay general shutdown
- ⓘ : start  
Ⓢ : programmed stop

NOTES

- [a] Maximum fuses with regard to short circuit protection of starter. Cable section might impose fuses of smaller value.  
[b] Power supply to be connected for:  
Counter clockwise rotation of compr. motor  
Rotation to be observed while facing the drive end shaft of the motors.  
CLOCKwise rotation of fanmotor while facing the fan from the cooler.  
[c] To connect correct trafo voltage, see on trafo.  
[d] Optional remote emergency stop :  
Replace bridge by NC contacts of remote emergency stop.  
[f] Supply of dryer  
[g] CAUTION : Remains 'LIVE' when the disconnecting device is in 'off' or 'open' position.  
[j] Terminals IX0-N and IX2-N provided for 3x400V+N only  
[k] To be replaced by alternative if option thermistor protection is installed

| INSTALLED | OPTIONAL EQUIPMENT                                   | Pos.Nr.  |
|-----------|--|----------|
|           | B1 : Electronic water drain (EMD)                    | 18       |
|           | K04': aux. contactor load/unload for ES100           | 44       |
|           | K21 : aux. contact compressor running for ES100      | 43       |
|           | R3,R4,R7 : freeze protection (tracing/heaters)       | 17-19-32 |
|           | R5 : freeze protection : heater EMD                  | 22       |
|           | TSLL91 : thermostat freeze protection                | 28       |
|           | R1,K34 : Drive motor thermistor protection, shutdown | 13       |
|           | R2,K35 : Drive motor thermistor protection, warning  | 15       |
|           | R96,R97: anti-condensation heaters                   | 16       |
|           | Y2 : solenoid valve for modulating control           | 12       |
|           | AIE1: Analog input expansion module                  | 37       |
|           | TT51: Temp. sensor energy recovery                   | 17       |
|           | TT52: Temp. sensor energy recovery                   | 19       |
|           | PDS11: Delta P-switch for integrated DD filter       | 33       |
|           | PDS12: Delta P-switch for integrated PD filter       | 33       |
|           | S10 : Main switch                                    | L1-L2-L3 |

