



Registration code
APC GA 11-30 C
25
2933 7964 00

Stationary compressors: GA 11-30 C Pack (+ ID) with Elektronikon I,
Y-D starter, IEC, 1 phase dryer
AHB: Electrical diagram (9820 3554 01 ed. 04)

2004-09

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

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
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 (230V/AC)
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 dryer control
K06 : aux. relay general shutdown

1

 : start

2

 : 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 compressor 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)	20
	R3,R4,R7 : freeze protection (tracing/heaters)	15-17-24
	R5 : freeze protection : heater EMD	20
	TSL191 : thermostat freeze protection	28
	R1,K34 : Drive motor thermistor protection, shutdown	15
	R2,K35 : Drive motor thermistor protection, warning	17
	R96, R97 : anti-condensation heaters	18
	Y2 : solenoid valve for modulating control	12
	S10 : Main switch	L1-L2-L3
	PDS11: Delta P-switch for integrated DD/PD filter	17

