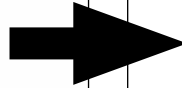


Instructions

Optyma™ Plus and INVERTER

Field Pressure change from AKS 32R to DST P110



Components & Tools Required:

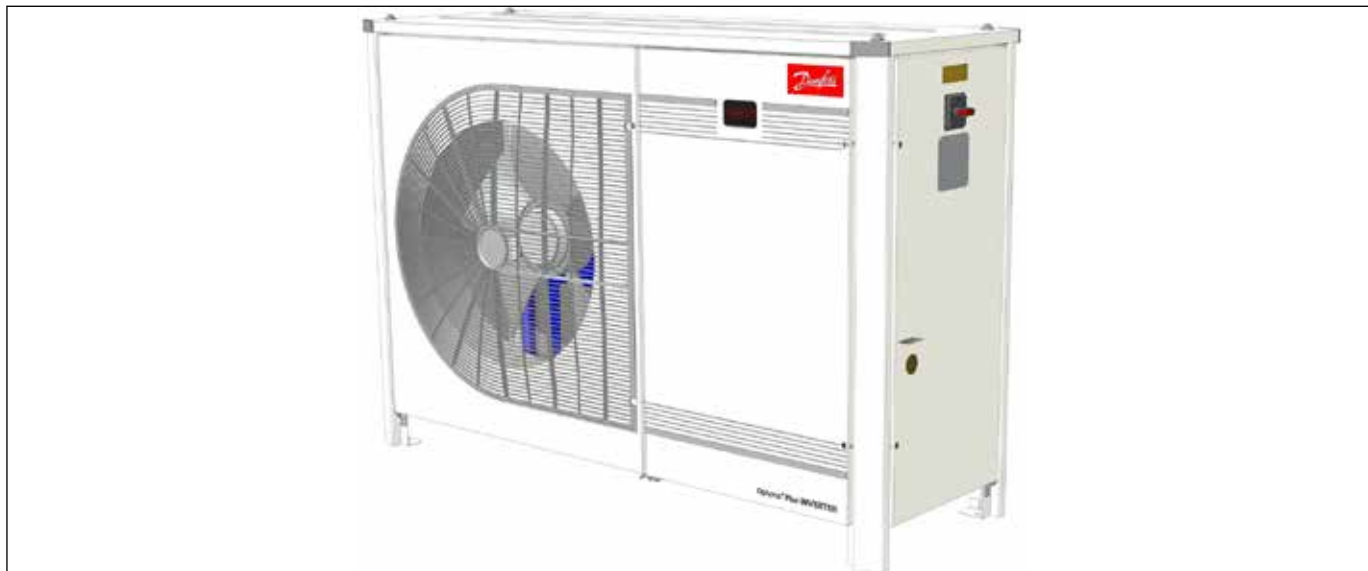
- Personal safety equipment (Hand gloves and safety glasses)

Instructions

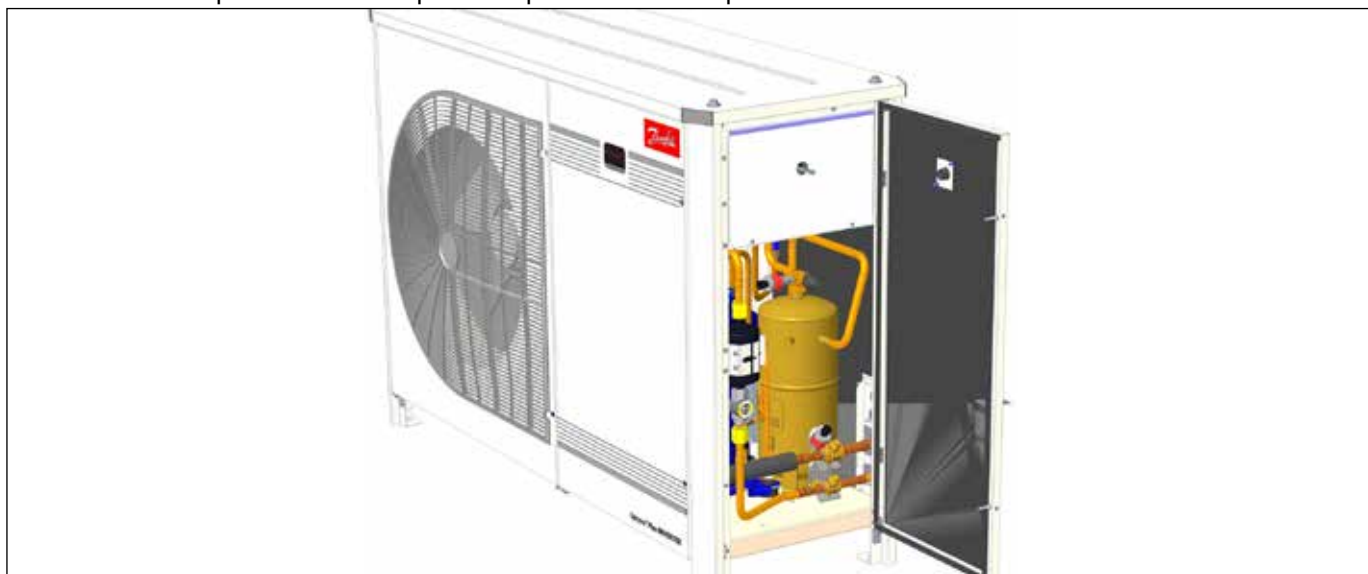
Procedure:

⚠ Work should be done by electric professionals only!

1. Disconnect power supply and ensure fan motor stop before removing side and front panel. Turn of isolator switch before servicing (Rotate Anticlockwise).



2. Remove service panel screw and open front panel and service panel.

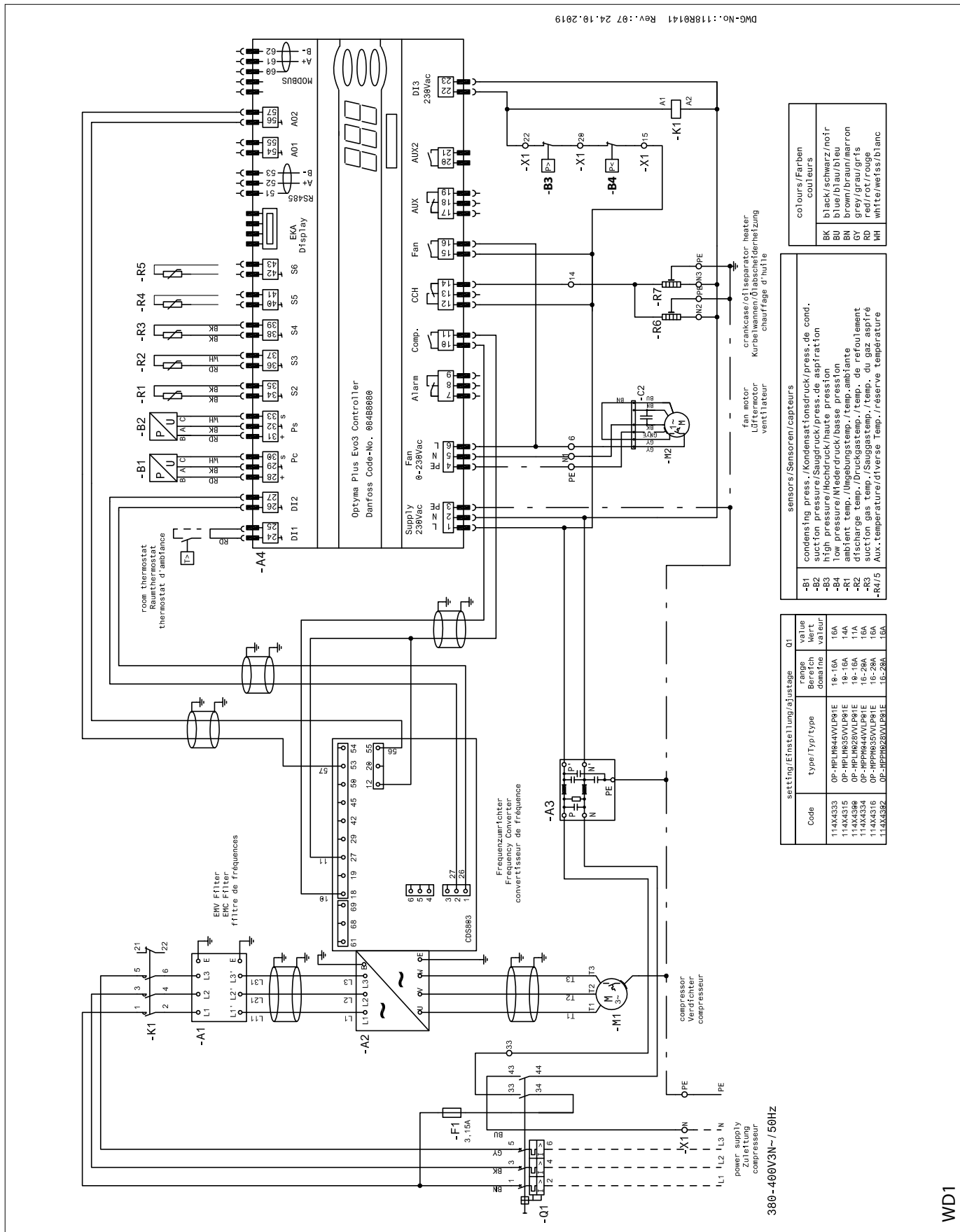


3. Rotate Rotalock (receiver) valve spindle towards clockwise direction to close the valve. Pump down / remove Refrigerant from the system before servicing pressure sensor. (Keep liquid and suction line open.)
4. Remove the tie cable and wire from electrical box. Hold the connection pipe (Schrader valve) and rotate sensor anti-clockwise to remove. Don't damage connection pipe and thread.
5. Now assembly new spare in condensing unit. (Torque 15Nm)
 - 075G1036(118U4021) - In Compressor discharge line.
 - 075G1013(118U4025) - in Condensing unit Suction line.
6. After assembling pressure sensor, connect the cable from P110 sensor to Optyma controller as shown wiring diagram. Use give cables comes with spare part (See Annex -A for Wiring drawing).
7. Complete the electrical connection and ensure there is no leak observed and proper electrical connection.
8. Vaccum entire units, Danfoss recommend to fill fresh refrigerants and close the service and front panel.

Instructions

Annex -A: Wiring diagram

OP-MPLM028-035-044, OP-MPPM028-035-044



colours/Farben couleurs	
BK	black/schwarz/noir
BU	blue/blau/bleu
BN	brown/braun/marron
GY	grey/grau/gris
RD	red/rot/rouge
WH	white/weiß/blanc

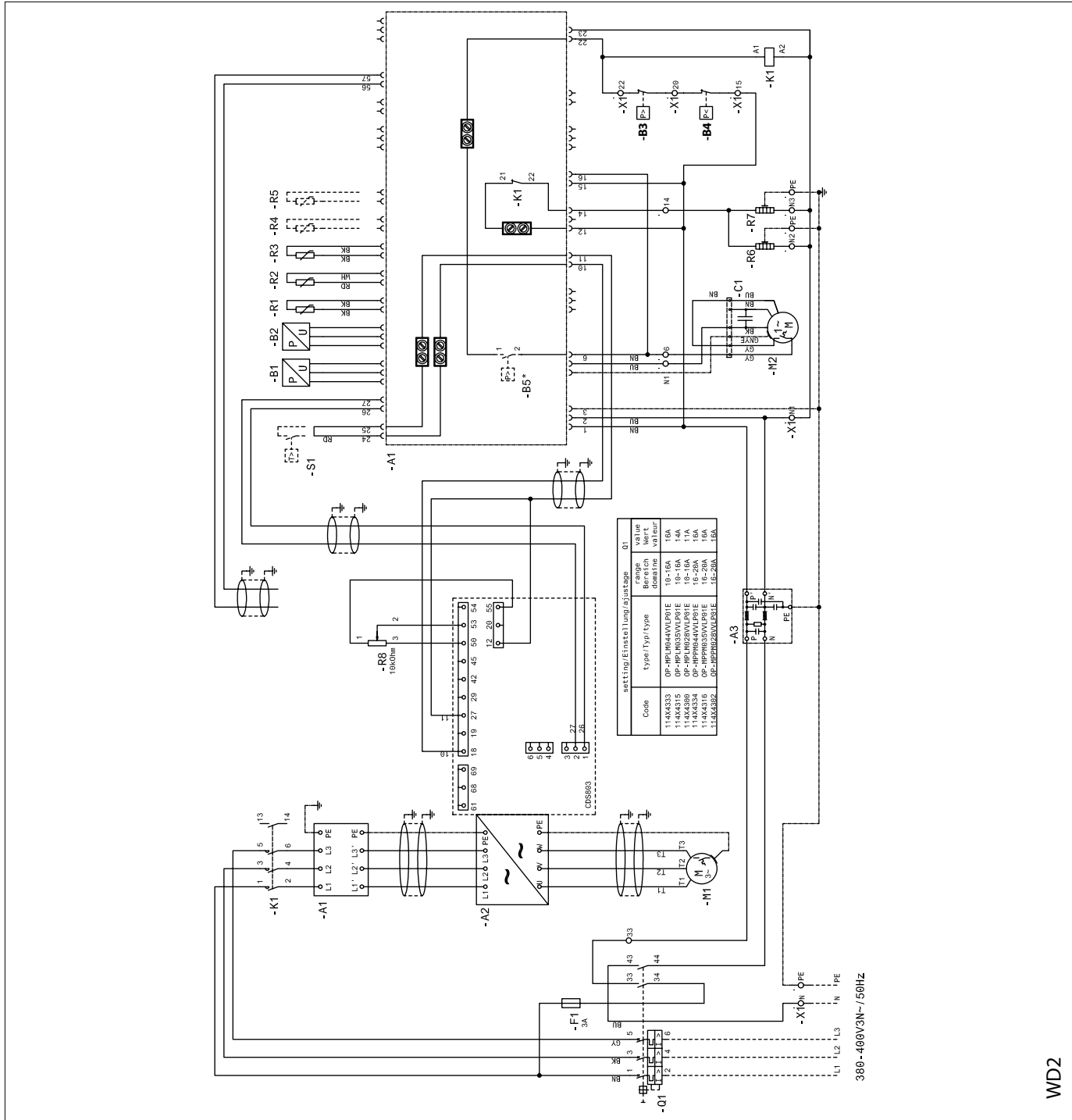
sensors/Sensoren/capteurs	
-B1	condensing press./Kondensationsdruck/press.de cond.
-B2	suction pressure/Saugdruck/press.de aspiration
-B3	high pressure/Hochdruck/haute pression
-B4	low pressure/Niederdruck/basse pression
-R1	ambient temp./Umgebungstemp./Temp.ambiante
-R2	suction gas temp./Druckgasstemp./Temp. de refoulement
-R3	oil temp./Öltemp./Temp. d'huile
-R4/5	Aux.temperature/d'verse Temp./réservé Temperature

setting/Einstellung/capstage		
Code	type/Typ/type	value/Anzahl/walieur
114X4333	OP-MPLM64WVLP8IE	16-16A 16A
114X4334	OP-MPLM62WVLP8IE	16-16A 11A
114X4335	OP-MPLM64WVLP8IE	16-16A 16A
114X4316	OP-MPPM835VLP8IE	16-28A 16A
114X4382	OP-MPPM82WVLP8IE	16-28A 16A

WD1



OP-MPLM028-035-044, OP-MPPM028-035-044 - Emergency wiring diagram



WD2

- A1** : RFI Filter (Compressor)
- A2** : Frequency Converter
- A3** : RFI Filter (Controls)
- A4** : Optyma™ Plus Controller
- B1** : Condensing Pressure Transducer
- B2** : Suction Pressure Transducer
- B3** : High Pressure Switch
- B4** : Low Pressure Switch
- B5*** : Fan Speed Controller / Pressure Switch
- C1** : Run Capacitor (Fan)
- F1** : Fuse (Control Circuit)
- K1** : Contactor
- M1** : Compressor
- M2** : Fan Motor
- Q1** : Main Switch
- R1** : Ambient Temp. Sensor
- R2** : Discharge Temp. Sensor
- R3** : Suction Temp. Sensor
- R4,R5** : Auxiliary Temp. Sensor (optional)
- R6** : Crankcase Heater
- R7** : Oil Separator Heater
- R8** : Compressor Speed Potentiometer
- S1** : Room Thermostat (optional)
- X1** : Terminal
- Supply** : Supply
- Fan** : Fan
- Alarm** : Alarm
- Comp.** : Compressor
- CCH** : Crankcase Heater
- Aux** : Auxiliary

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