

Data protocol refrigerant retrofit

Description of the measurement:			
Readings	1	2	3
Installation			
Date			
Test person			
Refrigerant			
Suction pressure, absolute pressure in bar			
Suction pressure, manometer display in bar			
Evaporation temperature in °C			
Discharge gas pressure, absolute pressure in bar			
Discharge gas pressure, manometer display in bar			
Condensing temperature in °C			
Discharge gas temperature * in °C			
Suction gas temperature** at compressor in °C			
Superheat in K			
Supply voltage of the compressor in V			
Current consumption of the compressor in A			
Power absorbed by the compressor in kW			
Evaporator outlet pressure, absolute pressure in bar			
Evaporator outlet temperature in °C			
Air temperature at evaporator inlet in °C			
Condenser outlet pressure, absolute pressure in bar			
Condensing temperature boiling point in °C			
Condenser outlet temperature in °C			
Subcooling*** in K			
Air temperature at condenser inlet in °C			
Oil level in compressor sight glass			
State of the liquid sight glass			
Remarks			

* Discharge gas temperature measured at discharge line approx. 10 cm from discharge shut off valve.

With additional fan: cover the measurement point from the air flow of the fans.

** Suction gas temperature measured at suction line approx. 10 cm from suction shut off valve/suction flange of compressor.

*** Measuring the subcooling might be possible only after the liquid receiver.