

20-0020 Switching points in cooling system

Data

Models	124	129	140	202	210
Thermostat at coolant temperature °C					
Start of opening	85 – 89	85 – 89	85 – 89	85 – 89	85 – 89
Max. opening	102	102	102	102	102
Viscous fan clutch	103 200 04 22 ¹⁾	103 200 06 22	103 200 02 22	103 200 05 22	103 200 03 22
Cut-in temperature °C	96 – 104	92 – 100	92 – 100	102 – 110	92 – 100
Safety cutoff at engine speed	4500	4500	4500	4500	4500
fan speed in rpm	3250	3250	3420	3580	3420
Electric auxiliary fan 1st stage on/off ²⁾	16/11	100/95	14/12 100/95	16/13 100/95	14 95
2nd stage on/off ³⁾	107/100	20/15 107/100	20/17 115/107	20/17 115/107	20 115
AC at coolant temperature in °C					
Start of pulse ⁵⁾	121–123	121–123	121–123	121–123	121–123
Emergency off	126–128	126–128	126–128	126–128	126–128
Pressure cap opens at pressure in bar					
1st stage	1.3 – 1.5	1.3 – 1.5	1.3 – 1.5	1.3 – 1.5	1.3 – 1.5
2nd stage	–	–	–	–	1.8 – 2.2
Coolant temperature max. °C	130	130	130	130	130/137

1) Engine 103.980 viscous fan clutch 103 200 02 22

2) at refrigerant pressure in bar. Cut-in 1st stage speed-responsive: compressor switched on
< 40 km/h on
> 70 km/h off

3) at coolant temperature in °C

4) 2nd version 20/15 bar

5) Pulse duration: 50% on time, 20 seconds on
20 seconds off

