

20-0020 Switching points in cooling system

Data

Models	124	129	140	210
Thermostat at coolant temperature °C				
Start of opening	78 - 82	78 - 82	78 - 82	78 - 82
Max. opening	94	94	94	94
Viscous fan coupling cut-in at airflow temperature °C				
	92 - 100	92 - 100	92 - 100	92 - 100
Safety cutoff at engine speed fan speed rpm				
	4500 3250	4500 3250	4500 3420	4500 3420
Electric auxiliary fan ²⁾				
1st stage on/off	107/100 16/11	100/95 -	100/95 14/12	95/115 ³⁾ 14/20 ³⁾
2nd stage on/off	107/100	107/100 20/15	107/100 ⁴⁾ 17/14	
3rd stage on/off			115/107 ⁴⁾ 20/17	
A/C at coolant temperature in °C				
Start of cycle ⁵⁾	121-123	121-123	121-123	121-123
Emergency off	126-128	126-128	126-128	126-128
System cap opens at pressure in bar or °C max.				
1st stage	1.3 - 1.5 130 - 134	1.3 - 1.5 130 - 134	1.3 - 1.5 ⁶⁾ 130 - 134 ⁶⁾	1.3 - 1.5 130 - 134
2nd stage	-	1.8 - 2.2 137 - 143	-	1.8 - 2.2 137 - 143

- 2) At coolant temperature in °C or refrigerant pressure in bar, 1st stage cuts in in line with vehicle speed: compressor switched on

<40 km/h on
>70km/h off
- 3) Fully engaged
- 4) USA circuit. A/C off (EC button pressed), outside air>15°C. 2nd stage of this version operates at 107/100°C or 17/14 bar, respectively
- 5) Cycle: 50% ON period, 20 seconds on
20 seconds off
- 6) From outside temperature of >10°C