



## SANYO Commercial Solutions

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# Technical Service Bulletin

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**Topic: Outdoor Ambient Operating Range Limits**

**Applicable Product:** "7 Series" C, CL, CM, CLM, CH, CMH Outdoor Units

Sanyo is pleased to re-define the operating limits associated with our various air conditioning and heat pump products. The chart shown on the following page is based upon outdoor ambient temperatures. Please refer to this operating range as needed.

The below notes apply to the Operating Range chart on the following page.

- \*1: 32F DB: When combined with KMS1872 and/or KMS2472  
23F DB: When combined only with KMS0772, KMS0972 and/or KMS1272
- \*2: 28F DB: When combined with KMS1872 and/or KMS2472  
19F DB: When combined only with KMS0772, KMS0972 and/or KMS1272

NOTE: All RAC systems stop operating in temperatures below CUT-OFF TEMPERATURE.  
Operation below OPERATING RANGE is out-of-warranty.

NOTE: For Zero Degree F cooling operation a wind baffle should be installed or the outdoor unit must be adequately protected from prevailing winds.

For additional details please access our technical literature using our website at [www.sanyohvac.com](http://www.sanyohvac.com) or contact our technical service department at 800-851-1235.

**OPERATING RANGE LIMITS BASED ON OUTDOOR TEMPERATURE (Degrees F)**

Model	DESIGN OPERATING RANGE				COOLING CUT-OFF		HEATING CUT-OFF		Exceptions of Cut-off Temperature in Cooling
	Cooling		Heating		Min. Outdoor	Max. Outdoor	Min. Outdoor	Max. Outdoor	
	Min	Max	Min	Max					
CH0971	0F DB	115F DB	0F DB	75F DB / 65F WB	-4F DB	N/A	-8F DB	122F DB	Prior to SN # 00065063 (July 2006) cooling cut off was 59F, prior to SN # 0072071 (July 2007) cooling design minimum was 67F and cooling cut off was 50F.
CH1271									Prior to SN # 00066163 (July 2006) cooling cut off was 59 F, prior to SN # 0106571 cooling design minimum was 67F and cooling cut off was 50F.
CH1872									Prior to SN # 0088872 cooling design minimum was 67F and cooling cut off was 50F.
CH2472									Prior to SN # 0051172 cooling design minimum was 67F and cooling cut off was 50F.
C0971	50F DB	115F DB	N/A	N/A	50F DB	N/A	N/A	N/A	Prior to SN # 00117163 (July 2006 Prod.) cut off was 59F
C1271									Prior to SN # 00190163 (July 2006 Prod.) cut off was 59F
C1872									
C2472									Prior to SN # 00087162 (July 2006 Prod.) cut off was 59F
CL0971	0F DB	115F DB	N/A	N/A	-4F DB	N/A	N/A	N/A	
CL1271					-4F DB				
CL1872					-8F DB				
CL2472					-13F DB				
CMH1972	67F DB	115F DB	0F DB	75F DB / 65F WB	55F DB	N/A	-8F DB	*4	No Maximum Temperature Cut-Off in heating
CMH2472									
CMH3172									
CM1972									
CM2472	*1	115F DB	N/A	N/A	*2	N/A	N/A	N/A	
CM3172									
CLM1972									
CLM2472									
CLM3172									