MANITOWOC ICE
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Service Bulletin

Subject: Technical Specifications

CNP0201/CNP0202 MODELS

60 HZ ONLY

GENERAL SPECIFICATIONS			
Operating Temperatures	Minimum 45°F (7°C) Maximum 110°F (43°C)		
Refrigerant Charge (R-290)	2.8 oz (80.0 g)		
Ice Making Water Inlet	**Ice Machine Fitting:** 3/8" (9.5 mm) FPT (Female Pipe Thread) **Tube Size to Fitting:** 3/8"(9.5 mm) Minimum Inside Diameter	**Water Temperature -** Minimum 45°F (7°C) Maximum 90°F (32°C)	**Water Pressure -** Minimum 20 psig (1.4 bar) Maximum 80 psig (5.5 bar)
Ice Making Water Drain	**Ice Machine Fitting:** 1/2" (13.0 mm) FPT (Female Pipe Thread) **Tube Size to Fitting:** 3/4" (19.0 mm) Minimum Inside Diameter		
Potable Water	12 gallons per 100 lbs of ice (45.4 liters per 45.5 kg of ice)		
Electrical	**115V/60 Hz/1 Ph** Total Amps - 7.8 Max Fuse Size - 15 amps	**230V/60 Hz/1 Ph** Total Amps - 5.7 Max Fuse Size - 15 amps	**Energy Usage** **kwh/100 lbs** **@90°/70°F** 6.35 Kwh
Compressor Nominal Rating	0.375 HP		
Heat of Rejection	Air Conditioning 2300 BTU/hr (580 kcal/hr)		
High Pressure Settings	Cut-in - 250 psig (17 bar)	Cut-out - 350 sig (24 bar)	
Dimensions	**Height**	**Width**	**Depth**
CNP0201	35.0 in (89.0 cm)	16.25 in (41.3 cm)	24.0 in (61.0 cm)
CNP0202	42.0 in (107.0 cm)	16.25 in (41.3 cm)	24.0 in (61.0 cm)
Clearances	**Top**	**Sides**	**Back**
	24.0 in (61.0 cm)	8.0 in (20.0 cm)	5.0 in (13.0 cm)

Manitowoc Metal Safe De-scaler (removes lime scale and mineral deposits)	000000084
Manitowoc Sanitizer (disinfects and removes algae and slime)	9405653

CNP0201 & CNP0202 - 60 Hz Models

24 Hour Ice Production

Air Temperature Entering Condenser	Water Temperature		
	50°F 10°C	**70°F 21°C**	**90°F 32°C**
50°F 10°C	325 lbs 147 kgs	300 lbs 136 kgs	280 lbs 127 kgs
70°F 21°C	310 lbs 141 kgs	275 lbs 125 kgs	260 lbs 118 kgs
80°F 27°C	265 lbs 120 kgs	250 lbs 113 kgs	230 lbs 104 kgs
90°F 32°C	240 lbs 109 kgs	225 lbs 102 kgs	210 lbs 95 kgs
100°F 38°C	210 lbs 95 kgs	195lbs 89 kgs	185 lbs 84 kgs
110°F 43°C	180 lbs 82 kgs	165 lbs 75 kgs	150 lbs 68 kgs

Freeze Cycle Operating Pressures -PSIG

Air Temperature Entering Condenser °F / °C	Discharge Pressure	Suction Pressure
50°F 10°C	145 - 205 psig 10.0 - 14.1 bar	24 - 26 psig 1.7 - 1.8 bar
70°F 21°C	145 - 210 psig 10.0 - 14.5 bar	24 - 26 psig 1.7 - 1.8 bar
90°F 32°C	190 - 225 psig 13.1 - 15.5 bar	24 - 26 psig 1.7 - 1.8 bar
100°F 38°C	240 - 260 psig 16.5 - 17.9 bar	24 - 26 psig 1.7 - 1.8 bar
110°F 43°C	250 - 275 psig 17.2 - 19.0 bar	24 - 26 psig 1.7 - 1.8 bar