MANITOWOC ICE
2110 SOUTH 26TH STREET, MANITOWOC, WI 54220
800-545-5720
WWW.MANITOWOCICE.COM

Service Bulletin

Subject: Technical Specifications

BG0260A

GENERAL SPECIFICATIONS			
Operating Temperatures	Minimum 50°F (10°C) Maximum 100°F (38°C)		
Refrigerant Charge (R-404A)	21.9 oz (0.62 kg)		
Ice Making Water Inlet	Water Inlet Connection - 0.375" FPT (Female Pipe Thread)	Water Temperature - Minimum 50°F (10°C) Maximum 90°F (32°C)	Water Pressure - Minimum 14 psig (96.5 kPa) Maximum 80 psig (562.5 kPa)
Ice Making Water Drain	Connection - 0.5" (Brass - Male)		
Potable Water	13.9 gallons per 100 lbs of ice 52.6 liters per 45.5 kg of ice		
Compressor Nominal Rating	1.0 HP		
Heat of Rejection	Air Conditioning 5,700 BTU/hr (1,436 kcal/hr)	Peak 6,200 BTU/hr (1,562 kcal/hr)	
High Pressure Settings	Cut-in - 450 psig (3,103 kPa)	Cut-out - 650 psig (4,482 kPa)	
Dimensions	**Height**	**Width**	**Depth**
	42.3 in (1,074 mm)	33.1 in (841 mm)	29.2 in (742 mm)
Bin Storage	143.0 lbs (65 kgs)		

ELECTRICAL			
115V/60 Hz/1 Ph Total Amps - Max Fuse Size - 20 amp	**208-230V/60 Hz/1 Ph** Total Amps - 13.2 Max Fuse Size - 20 amp	**Energy Usage** **Kwh / 100 lbs** 9.72 Kwh	NEMA 20A Plug 6.0' (1,829 mm) Power Cord

24 Hour Ice Production

Air Temperature Around the Unit	Water Temperature	
	50°F / 10°C	70°F / 21°C
70°F 21°C	313 lbs 142 kgs	290 lbs 132 kgs
90°F 32°C	260 lbs 118 kgs	253 lbs 115 kgs

Cycle Times

Freeze Time + Harvest Time = Total Cycle Time

Air Temperature Around the Unit	Freeze Time (Minutes)			Harvest Time
	Water Temperature			
	50°F 10°C	70°F 21°C	90°F 32°C	
70°F 21°C	30-32	31-34	33-36	2.0-3.5
90°F 32°C	33-38	35-40	37-42	
100°F 38°C	38-44	40-46	42-48	

Cycle times and pressures vary with operating condition.

Operating Pressures - Freeze Cycle

Air Temperature Around the Unit	Discharge Pressure	Suction Pressure
70°F 21°C	215-295 psig 15.1-20.7 kPa	20-50 psig 1.4-3.5 kPa
90°F 32°C	255-355 psig 17.9-25.0 kPa	25-60 psig 1.8-4.2 kPa
100°F 38°C	290-400 psig 20.4-28.1 kPa	25-65 psig 1.8-4.6 kPa

Operating Pressures - Harvest Cycle

Air Temperature Around the Unit	Discharge Pressure	Suction Pressure
70°F 21°C	125-250 psig 15.1-20.7 kPa	75-145 psig 5.3-10.2 kPa
90°F 32°C	140-240 psig 17.9-25.0 kPa	80-160 psig 5.6-11.2 kPa
100°F 38°C	150-260 psig 20.4-28.1 kPa	85-175 psig 6.0-12.3 kPa