Manitowoc® Parts & Service Communicator

Subject: Manitowoc S Series Ice Machines Utilizing McDonalds MAC-G or X Series Condensers

QuietQube® Models

The following information refers to Manitowoc's traditional remote condenser ice machines only. This information does not apply to QuietQube® or Ice Beverage ice machines and CVD® condensing units. QuietQube® and Ice Beverage head sections are only approved for use with a Manitowoc CVD® condensing unit. Manitowoc will not approve or warrant any application of a QuietQube® head section with any other type or make of condensing unit.

Installation Requirements

- **Condenser must be new and unused**
  Warranty on the refrigeration system will be void if a new ice machine head section is connected to existing (used) tubing or condensers
- **Line set cannot exceed 50 feet**
  A Manitowoc condenser **must be used** if the line set is between 50' and 100'
- **A Head Pressure control kit (K00133 for G Series, K00221 for X Series) must be installed**
  Unacceptable performance will result if a fan cycling control is used to maintain discharge pressure. Manitowoc **will not accept** substitute "off the shelf" head pressure control valves.
- **The condenser fan motor must be on during the entire freeze and harvest cycles**
  The ice machine condenser fan motor circuit (F1 & F2) can be used to control the condenser fan motor. This will ensure that the condenser fan motor is energized anytime the ice machine compressor is energized.

McDonalds Condensing Units
MAC 2G, 3G, 7G, 8G or MAC 2X, 3X, 7X, 8X

Manitowoc Ice Machine Model	MAC 2G, 3G, 7G, 8G MAC 2X, 3X, 7X, 8X Condensing Unit	Maximum Length of Line Set	Head Pressure Control Kit Required		Additional Refrigerant Required
			MAC G Series	MAC X Series	
S500N	**Will not function with MAC Unit**	N/A	N/A	N/A	N/A
S600N	Functions Correctly	50 Feet (15 meters)	K-00133	K-00221	4 lbs. (1.8 kg)
S850N	Functions Correctly	50 Feet (15 meters)	K-00133	K-00221	4 lbs. (1.8 kg)
S1000N	Functions Correctly	50 Feet (15 meters)	K-00133	K-00221	4 lbs. (1.8 kg)
S1400N	Functions Correctly	50 Feet (15 meters)	K-00133	K-00221	2 lbs. (0.9 kg)
S1600N	Functions Correctly	50 Feet (15 meters)	K-00133	K-00221	2 lbs. (0.9 kg)
S1800N	Functions Correctly	50 Feet (15 meters)	K-00133	K-00221	2 lbs. (0.9 kg)

All installations with line set lengths greater than 50' must use a Manitowoc condenser.
Manitowoc Condensers allow maximum line set lengths up to 100'.
Refer to the Installation Use and Care Manual for line set calculation instructions.