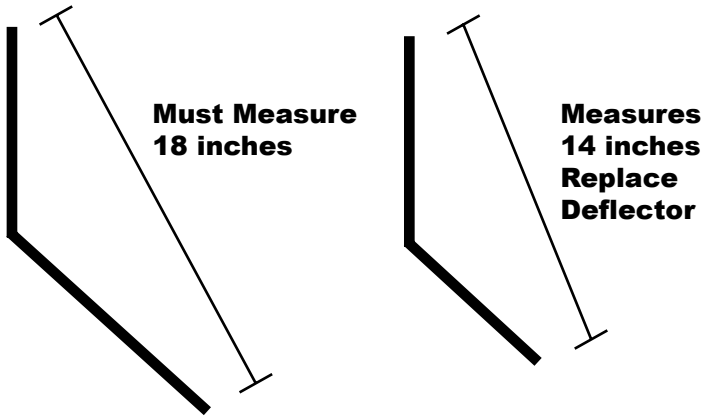
Manitowoc® Parts & Service Communicator

Subject: 48” S Model Ice Machines Shutting Off Prematurely

Symptom: During the harvest cycle the ice slab breaks up, holds the water curtain open and shuts off the ice machine before the bin is full of ice.

Follow this procedure:

1. Verify the correct water pump is installed - To provide full wetting across the top extrusion in all conditions, we have increased the flow of water from our water pumps. Refer to chart on reverse side or Parts & Service Communicator PSC017 for the correct pump for your model.
2. Verify the correct deflector is installed when the ice machine is installed on a non manitowoc or F Style bin. **48” Non Manitowoc Ice Deflector Only:** Refer to diagram then measure the ice deflector - Replace a 14” deflector with an 18” deflector (K00349). Verify the model number on the replacement deflector box ends with an “A”.



Verify Non Manitowoc Ice Deflector Measures 18 inches

3. Inspect and remove any silicone - Inspect for silicone around the top left and right evaporator cube cells. Remove any silicone that is present.
4. Set the bridge thickness - Set the ice thickness probe to maintain a minimum 1/8” bridge. Normal bridge thickness will vary across the sheet of ice, all portions of the slab must be a minimum of 1/8”.
5. Clean the evaporator - Dry the evaporator and inspect for scale build up. Build up on the evaporator will result in a longer harvest cycle, more melting of the slab and a slower release.

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S Model Water Pump Matrix

Water Pump		S300	S320	S420	S450	S500	S600	S850	S1000	S1200	S1400	S1600	S1800	S600C	S850C	S1000C	S1200C
Part Number	Voltage																
2007389	230/50										X	X					
2007399	230/60					X	X										
2007659	230/60	X															
2007669	230/50	X															
2007679	115/60	X															
2008109	230/60									X							
2008119	230/50									X							X
2008489	115/60																X
2008929	115/60		X	X	X												
2008939	230/60		X	X	X												
2008949	230/50		X	X	X												
8251129	115/60					X								X			
8251139	230/60							X	X								
8252109	230/50					X	X							X			
8252269	115/60														X	X	
8252709	230/50							X	X						X	X	
8252109	230/60										X						
8252709	230/60											X	X				
2007419	230/50	THIS PUMP HAS BEEN ELIMINATED															
000000259	230/50												X				

IMPORTANT: Identical voltage water pumps are not interchangeable. Pump output will vary depending on water pump impeller size and type. Pumps with insufficient flow = uneven ice fill patterns, pumps with too much water flow = water tracking / loss of water in the trough area, which results in a Safety Limit #1.