

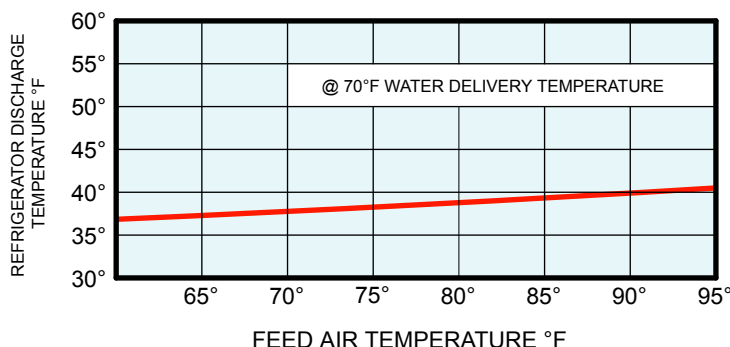
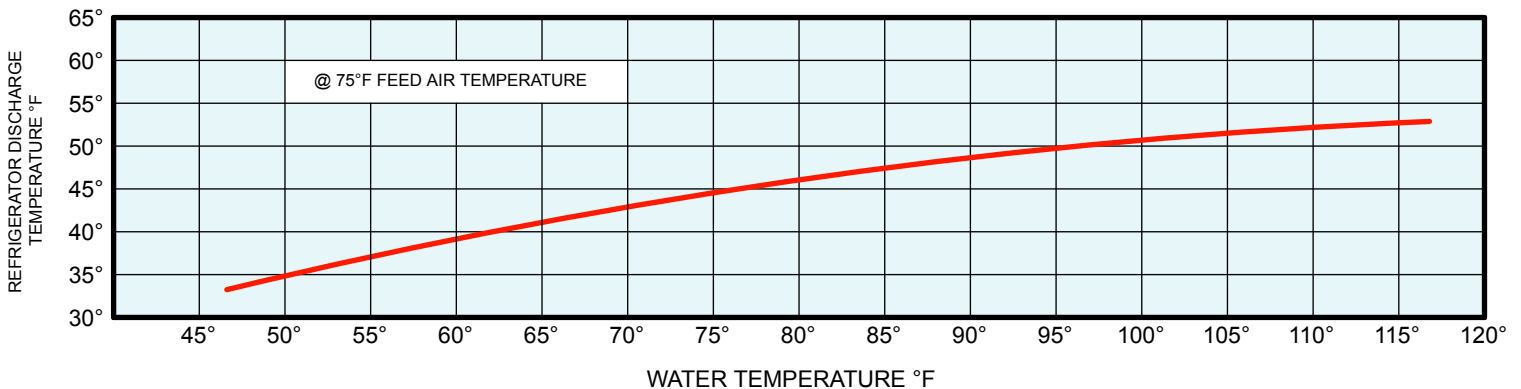
Technical Bulletin

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The Effects of Air and Water Temperature on Refrigerator Discharge Temperature

Air Options dryers utilize ordinary tap water as their primary coolant. The water is injected into an expanding compressed air stream and is flash vaporized to produce the low temperatures required for the dryer. Fluctuations in the temperature of the water and compressed air stream will produce some variations in the discharge temperature of the refrigerator. For applications that are appropriate for Air Options dryers, this does not have a significant impact. However, some customers have expressed an interest in this information, so Air Options has prepared the following charts to show the averaged effect of varying air and water temperature on discharge temperature.

The Effects of Air and Water Temperature on Refrigerator Discharge Temperature



NOTE:
AIR AND/OR WATER TEMPERATURE SHOULD NOT EXCEED 100°F
WATER DELIVERY PRESSURE SHOULD NOT DROP BELOW 25 PSI
WATER TEMPERATURE SHOULD NOT DROP BELOW 55°F
AIR TEMPERATURE SHOULD NOT DROP BELOW 60°F

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Affordable Solutions for Compressed Air