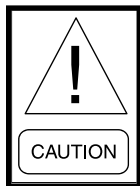


## SECTION 5 – TECHNICAL DATA

### OPERATIONAL LIMITATIONS (ENGLISH)

**TABLE 1 - TEMPERATURES AND FLOWS**

ENGLISH						
YCAL	LEAVING WATER TEMPERATURE ( °F)		COOLER FLOW (GPM)		AIR ON CONDENSER ( °F)	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
0019	40	55	17	68	0	125
0022	40	55	21	84	0	125
0028	40	55	30	150	0	125
0033	40	55	34	150	0	125
0043	40	55	40	200	0	125
0046	40	55	40	200	0	125
0052	40	55	40	300	0	125
0056	40	55	60	300	0	125
0066	40	55	60	300	0	125



*Excessive flow will cause damage to the cooler. Do not exceed max. cooler flow. Special care should be taken when multiple chillers are fed by a single pump.*

**5****NOTES:**

- For leaving brine temperature below 40 °F (4.4 °C), contact your nearest Johnson Controls Office for application requirements.
- For leaving water temperature higher than 55 °F (12.8 °C), contact the nearest Johnson Controls Office for application guidelines.
- The evaporator is protected against freezing to -20 °F (-28.8 °C) with an electric heater as standard.
- For operation at temperatures below 25 °F (-3.9 °C), the optional Low Ambient Kit will need to be installed on the system (for YCAL0043 to YCAL0065).
- For operation at temperatures above 115 °F (46.1 °C), the optional High Ambient Kit will need to be installed on the system.

**Voltage Limitations**

The following voltage limitations are absolute and operation beyond these limitations may cause serious damage to the compressor.

**TABLE 2 - VOLTAGE LIMITATIONS**

UNIT POWER	MINIMUM	MAXIMUM
200-3-60	180	220
230-3-60	207	253
380-3-60	355	415
460-3-60	414	506
575-3-60	517	633