

WATER COOLED CHILLER SCHEDULE (RCHS)																												
TAG NO.	NOMINAL COOLING CAPACITY (TONS)	NON-STANDARD PART-LOAD VALUE (INPLV)	EVAPORATOR							CONDENSER							COMPRESSOR				ELECTRICAL				INSTALLED WEIGHT (LBS.)	BASIS OF DESIGN		NOTES
			FLUID TYPE	DESIGN FLOW (GPM)	MIN FLOW (GPM)	EWT (DEG. F.)	LWT (DEG. F.)	MAX. WATER PRESSURE DROP (FT. H2O)	FOULING FACTOR	FLUID TYPE	DESIGN LCW FLOWRATE (GPM)	EWT (DEG. F.)	LWT (DEG. F.)	MAX. WPD (FT. H2O)	FOULING FACTOR	TYPE	QUANTITY / CIRCUITS	REF TYPE	MAX. CHARGE (LBS.)	V	PH	MCA	MOCP	MFR		MODEL		
432RCHS01-1	90	0.5816	WATER	220	92	53	43	19.1	0.0001	LCW	291	85	95	24.5	0.005000	SCREW	2	R-134A	194	460	3	108	150	5800	TRANE	RTWD090	ALL	

NOTES:
1. OPERATING FLUID IS WATER.
2. PROVIDE WITH INTEGRAL CONTROLS PACKAGE AND CONTROL PANEL WITH BACnet/MSTP INTERFACE TO ALC DDC SYSTEM.
3. PROVIDE WITH LOCKABLE DISCONNECT AND SINGLE POINT POWER CONNECTION BY DIV 26, 65K SCC.
4. PROVIDE WITH INTEGRAL EVAPORATOR AND CONDENSER FLOW SWITCHES, FACTORY-INSTALLED.
5. PROVIDE WITH (1) 2-WAY BUTTERFLY-TYPE (LUG-STYLE) LCW CONTROL VALVES PLUS VALVE ACTUATORS FOR FIELD-INSTALLATION.
6. OIL PUMP STARTER SHALL BE BY MANUFACTURER AND DISCONNECT SHALL BE BY DIVISION 26.
7. PROVIDE NRTL 'LISTED' EQUIPMENT INCLUDING 'LISTED' ELECTRICAL PANEL.

VERTICAL SPLIT-CASE HVAC PUMP SCHEDULE																							
TAG NO.	TYPE	LOCATION	SERVICE	MAXIMUM FLUID TEMP. (°F)	MINIMUM FLUID TEMP. (°F)	CAPACITY (GPM)	SPEED CONTROL TYPE	HEAD (FT. W.C.)	SUCTION SIZE (IN.)	DISCHARGE SIZE (IN.)	IMPELLER SIZE (IN.)	PUMP EFFICIENCY (%)	MOTOR				STARTER / DISCONNECT PROVIDED BY	ELECTRICAL		APPROX WEIGHT (LBS)	BASIS OF DESIGN		NOTES
													RPM	HP	BHP	TYPE		VOLTS	PHASE		MFR	MODEL	
432PCHW01-1	SPLIT CASE VERTICAL INLINE CENTRIFUGAL	CHILLER YARD	CHILLED WATER	105	43	220	VFD	130	2.5	2.5	6.25	73.6	3600	15	9.64	TEFC	DIV 26	460	3	425	BELL & GOSSETT	2.5x2.5x7	ALL
432PCHW02-1	SPLIT CASE VERTICAL INLINE CENTRIFUGAL	CHILLER YARD	CHILLED WATER	105	43	220	VFD	130	2.5	2.5	6.25	73.6	3600	15	9.64	TEFC	DIV 26	460	3	425	BELL & GOSSETT	2.5x2.5x7	ALL

NOTES:
1. PUMPS ARE EACH SIZED FOR 100% DESIGN CHILLED WATER FLOWRATE.
2. OPERATING FLUID IS WATER.
3. DISCONNECT AND VFD SHALL BE FURNISHED AND INSTALLED BY DIVISION 26, DIV. 23 TO TEST AND ADJUST VFD AND PUMP TO MEET PROJECT DESIGN CONDITIONS.
4. MOUNT IN LINE WITH PIPING. REFER TO STRUCTURAL S-514 FOR SUPPORTS AND ANCHORAGE.
5. NPSHR SHALL BE A MAXIMUM OF 10 FT. WC.
6. PUMP SHALL BE INSTALLED TO MFR'S RECOMMENDATIONS AND ORIENTATION.
7. INSULATE PUMP PER SPEC. SECTION 20 07 00.

TANK SCHEDULE																	
TAG NO.	TYPE	ORIENTATION	LOCATION	SYSTEM	MIN. TANK VOLUME (GAL)	MIN. TANK ACCEPTANCE VOLUME (GAL)	RELIEF VALVE SETPOINT (PSI)	DESIGN TEMP. (°F)	MIN. TEMP (°F)	COLD FILL PRESSURE (PSI)	MAX. WORKING PRESS. (PSI)	COLD WATER FILL SIZE (IN)	BASIS OF DESIGN		APPROX OPERATING WEIGHT (LBS)	NOTES	
													MFR	MODEL			
432TCHWX01-1	BLADDER EXPANSION TANK	VERTICAL	CHILLER YARD	CHILLED WATER	16.63	8.7	79	105	45	18	75	1	BELL & GOSSETT	B-85LA	95	1,2,3,4	
432TCHW01-1	BUFFER TANK	VERTICAL	CHILLER YARD	CHILLED WATER	1050	1050	N/A	105	45	18	150	1	TACO	BTH	2260	1,2,3,5,6	

NOTES:
1. TANK SHALL BE PROVIDED WITH FLANGED CONNECTIONS.
2. REFER TO STRUCTURAL S-514 FOR SUPPORTS AND ANCHORAGE.
3. TANK SHALL BE ASME-RATED.
4. PRE-CHARGE TANK TO 14 PSIG.
5. INSULATE TANK PER SPEC. SECTION 20 07 00.
6. PROVIDE WITH HIGH FLANGE CONNECTIONS.

AIR SEPARATOR SCHEDULE											
TAG NO.	LOCATION	SYSTEM	DESIGN FLOWRATE (GPM)	MAX ALLOWABLE PRESSURE DROP (FT W.G.)	CONNECTION TYPE	CONNECTION SIZE (IN)	MAX PRESSURE (PSIG)	BASIS OF DESIGN		WEIGHT (LBS)	NOTES
								MFR	MODEL		
432SDE01-1	CHILLER YARD	CHW	220	0.82	FLANGE	4	125	BELL & GOSSETT	SRS 4FB	250	ALL

NOTES:
1. OPERATING FLUID IS WATER.
2. AIR SEPARATOR SHALL BE THE TANGENTIAL TYPE WITHOUT STRAINER.
3. PROVIDE WITH MANUAL BLOWDOWN VALVE TO FACILITATE ROUTINE CLEANING.
4. INSULATE AIR SEPARATOR PER SPEC. SECTION 20 07 00.

Sheet Title
MECHANICAL SCHEDULES - WATERSIDE

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