

WATER CHILLER SCHEDULE

DESIGNATION		CH-1		
LOCATION		CHILLER ROOM		
MANUFACTURER		CARRIER	TRANE	YORK
MODEL		19XRV404238HUER64	CVHF048	YKEKELQ-EMH
OPTION		BASIS OF DESIGN	ALERNATE 1	ALTERNATE 2
TYPE		CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
RIGGING WEIGHT		16,900 LBS.	17698 LBS.	18950 LBS.
OPERATING WEIGHT		18,837 lbs.	19796 LBS.	20,992 LBS
CAP. NOMINAL TONS		450	450	450
REFRIG. TYPE		R-513A	R-514A	R-513A
REFRIG. CHARGE (lbs)		898 LBS.	700 Lbs	988 LBS.
FL KW / TON		0.5834	0.5583	0.5739
IPLV		0.351	0.3576	0.3563
EVAPORATOR DATA	EWT (F)	54.0°F	54.0°F	54.0°F
	LWT (F)	44.0°F	44.0°F	44.0°F
	GPM	1080	1075	1076
	PRESS DROP (FT)	22.4	34.4	17.1
	NO OF PASSES	2	2	2
	FOULING FACTOR	0.0001	0.0001	0.0001
CONDENSOR DATA	EWT (F)	85.0°F	85.0°F	85.0°F
	LWT (F)	94.3°F	95.0°F	94.3°F
	GPM	1354	1265	1341
	PRESS DROP (FT)	16.7	42.6	8.85
	NO OF PASSES	2	2	2
	FOULING FACTOR	0.00025	0.00025	0.00025
COMPRESSOR DATA	MAX kW input	262.5	251.2	258.3
	VOLT / PHASE	460 / 3	460 / 3	460 / 3
	FLA	397	357	359
	STARTER TYPE	VFD	VFD	VSD
	VFD	YES	YES	YES
ELECTRICAL DATA	PANEL & CIRCUIT			
	WIRE & CONDUIT			
	MCA	446	407	414
	MOCp	800	700	700
	POINTS OF CONNECTION	SINGLE	SINGLE	SINGLE
	DISCONNECT INCLUDED	YES	YES	YES
	CONTROL	SEE SPECS	SEE SPECS	SEE SPECS
NOTES		1	1	1

1 THESE ARE THE APPROVED EQUAL CHILLERS, ONE WILL BE SELECTED FOR THIS PROJECT. SEE SPECIFICATIONS

COOLING TOWER SCHEDULE

DESIGNATION		CT-1		
UNIT DATA	TYPE	INDUCED	INDUCED	INDUCED
	MANUFACTURER	MARLEY	BAC	EVAPCO
	MODEL #	NC8405RAN1	S3E-1222-070N	AXS 12-9J22-VR
	OPTION	BASIS OF DESIGN	ALERNATE 1	ALTERNATE 2
	# OF CELLS	1	1	1
	RIGGING WEIGHT	8,685 LBS.	12,121 LBS.	12,520 lbs.
	OPERATING WEIGHT	19,480 LBS.	25,150 LBS.	25,340 lbs.
	NOMINAL TONS	450	450	450
	GPM	1350	1500	1350
	CFM	120,430	130,099	106,500
	EWT (F)	95	95	95
	LWT (F)	85	85	85
	AMBIENT WB (F)	78	78	78
	FAN MOTORS (NO./HP)	1 / 25 HP	1 / 25 HP.	1 / 15.
	MOTOR SPEED(S)	1800	1800	1800
	VOLTAGE / PHASE	460V / 3 PH	460V / 3 PH	460V / 3 PH
ELECT. CTRL. DATA	PANEL & CIRCUIT			
	WIRE & CONDUIT			
	MOC	60	60	45
	DISCONNECT	INCLUDED	INCLUDED	INCLUDED
	STARTER	2-SPEED	2-SPEED	2-SPEED
	CONTROL SEQUENCE	SEE SPECS	SEE SPECS	SEE SPECS
BASIN HTR DATA	BASIN HEATER (QTY./kW)	1 / 18 kW	1 / 18 kW	1 / 18 kW
	BASIN HEATER (VOLT/PH)	460V / 3 PH	460V / 3 PH	460V / 3 PH
	BASIN HEATER CONTROL	OUTDOOR T-STAT	OUTDOOR T-STAT	OUTDOOR T-STAT
ELECTRICAL DATA	PANEL & CIRCUIT			
	WIRE & CONDUIT			
	MCA			
	MOC	30	30	30
	POINTS OF CONNECTION	TWO	TWO	TWO
	DISCONNECT	INCLUDED	INCLUDED	INCLUDED
	CONTROL	SEE SPECS	SEE SPECS	SEE SPECS
NOTES		1	1	1

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