

WAREHOUSE EQUIPMENT  
CONDENSING UNIT SCHEDULE

NO.	LOCATION	CAPACITY BTUH (kW)	REFRIGERANT TYPE	OUTDOOR AMBIENT TEMP. °F (°C)		MINIMUM SEER RATING	HP (kW)	UNIT WEIGHT LBS (KG)	CONTROLS					FLA	MCA	MOCP	POWER					REMARKS		
									INTERLOCK			DATA CONN.	NOTES				PANEL	V/ø	FEEDER	COND	BRKR		CCT	
									SUPPLY	INSTALL	WITH													
CJ-1A	OUTSIDE 228 SHOP	18,000 (5.27)	R-410A	0 (0)	110 (43)	15	-- (--)	138 (62.6)	MECHANICAL	ELECTRICAL	AHU-1A						12.4	20	208V/1ø	2 #12 RW90	21mm	20A/2P	D2-31,32	---
CJ-2A	OUTSIDE SOUTH ENTRANCE	12,000 (3.51)	R-410A	-40 (-40)	110 (43)	15	-- (--)	138 (62.6)	MECHANICAL	ELECTRICAL	A/C-2A					1		120V/1ø	2 #12 RW90	21mm	15A/1P	AC-2A	LOW AMBIENT. WIRE & CONNECT AC-2A FROM CJ-2A WITH 2 #12 RW90 IN 21mm CONDUIT.	

FAN SCHEDULE

NO.	LOCATION	FAN TYPE	AIRFLOW CFM (l/s)	EXTERNAL STATIC PRESS. H <sub>2</sub> O (po)	OUTLET VELOCITY FPM (m/s)	SPEED RPM	UNIT WEIGHT LBS (KG)	STARTER				POWER								CONTROLS								REMARKS				
								SUPPLY	INSTALL	PACK	VSD	HP (kw)	FLA	MCA	MOCP	EM	V/ø	FEEDER	COND	BRKR	CCT	INTERLOCK			F.A. SHUT DOWN	DATA CONN.	NOTES		PANEL			
																						SUPPLY	INSTALL	WITH					INTEGRAL	REMOTE	120V CIRC	
CF-1A	231 EXISTING EXAM AREA	CEILING DOWNDRAFT	32,000 (15,094)	-- (--)	-- (--)	158	75 (34.0)	MECHANICAL	ELECTRICAL	SPEED CONTROLLER		FRAC.	4					120V/1ø	2 #12 RW90	21mm	15A/1P	D2-33	ELECTRICAL	ELECTRICAL	FANS IN OLD WAREHOUSE	Y	--	--	●	●	●	8'-0"(2.4M)ø, CLEAR ANODIZED 8 MINI AIR FOILS. STANDARD WIRED WALL CONTROL (INTERCONNECT FAN IN SAME SPACE).
CF-2A	231 EXISTING EXAM AREA	CEILING DOWNDRAFT	32,000 (15,094)	-- (--)	-- (--)	158	75 (34.0)	MECHANICAL	ELECTRICAL	SPEED CONTROLLER		FRAC.	4					120V/1ø	2 #12 RW90	21mm	15A/1P	D2-34	ELECTRICAL	ELECTRICAL	FANS IN OLD WAREHOUSE	Y	--	--	●	●	●	8'-0"(2.4M)ø, CLEAR ANODIZED 8 MINI AIR FOILS. STANDARD WIRED WALL CONTROL (INTERCONNECT FAN IN SAME SPACE).
CF-3A	240 WAREHOUSE	CEILING DOWNDRAFT	32,000 (15,094)	-- (--)	-- (--)	158	75 (34.0)	MECHANICAL	ELECTRICAL	SPEED CONTROLLER		FRAC.	4					120V/1ø	2 #12 RW90	21mm	15A/1P	D2-35	ELECTRICAL	ELECTRICAL	FANS IN NEW WAREHOUSE	Y	--	--	●	●	●	8'-0"(2.4M)ø, CLEAR ANODIZED 8 MINI AIR FOILS. STANDARD WIRED WALL CONTROL (INTERCONNECT FAN IN SAME SPACE).
CF-4A	240 WAREHOUSE	CEILING DOWNDRAFT	32,000 (15,094)	-- (--)	-- (--)	158	75 (34.0)	MECHANICAL	ELECTRICAL	SPEED CONTROLLER		FRAC.	4					120V/1ø	2 #12 RW90	21mm	15A/1P	D2-36	ELECTRICAL	ELECTRICAL	FANS IN NEW WAREHOUSE	Y	--	--	●	●	●	8'-0"(2.4M)ø, CLEAR ANODIZED 8 MINI AIR FOILS. STANDARD WIRED WALL CONTROL (INTERCONNECT FAN IN SAME SPACE).
CF-5A	240 WAREHOUSE	CEILING DOWNDRAFT	32,000 (15,094)	-- (--)	-- (--)	158	75 (34.0)	MECHANICAL	ELECTRICAL	SPEED CONTROLLER		FRAC.	4					120V/1ø	2 #12 RW90	21mm	15A/1P	D2-37	ELECTRICAL	ELECTRICAL	FANS IN NEW WAREHOUSE	Y	--	--	●	●	●	8'-0"(2.4M)ø, CLEAR ANODIZED 8 MINI AIR FOILS. STANDARD WIRED WALL CONTROL (INTERCONNECT FAN IN SAME SPACE).
EF-1A	240 WAREHOUSE	EXHAUST	4,600 (2,170)	2.0 (240)	2194 (11.1)	1602	246 (541)	ELECTRICAL	ELECTRICAL	C.O./N.O.2		3HP	10.6					208V/3ø	2 #12 RW90	21mm	25A/3P	D2-27,28	MECHANICAL	ELECTRICAL	EXISTING MAKE-UP AIR UNIT SF-5	--	--	--	●	●	●	BELT DRIVE. SONES 16.5

UNIT HEATER SCHEDULE – NATURAL GAS

NO.	LOCATION	AIRFLOW CFM (l/s)	INPUT BTUH (kW)	OUTPUT BTUH (kW)	GAS TRAIN INLET PRESSURE PSI (kPa)	HP	SPEED RPM	UNIT WEIGHT LBS (KG)	PACK	CONTROLS						FLA	MCA	MOCP	POWER						REMARKS	
										INTERLOCK			F.A. SHUT DOWN	DATA CONN.	NOTES				PANEL	EM	V/Ø	FEEDER	COND	BRKR		CCT
										SUPPLY	INSTALL	WITH														
UH-8A	240 WAREHOUSE	2458 (1,159)	175,000 (51.2)	159,250 (46.6)	0.25 (1.70)	1/4	1050	245 (111)	Y	MECHANICAL	MECHANICAL	WALL THERMOSTAT							5.8		120V/1ø	2 #12 RW90	21mm	15A/1P	D2-39	COMPLETE WITH 100ø VENT CONNECTION VENT KIT, 150ø COMBUSTION AIR INLET KIT, TRANSFORMER & LOW VOLTAGE THERMOSTAT, HIGH THERMAL EFFICIENCY 91%, SEPARATED COMBUSTION UNIT HEATER, AIRFLOW DIRECTION HOOD.
UH-9A	240 WAREHOUSE	2458 (1,159)	175,000 (51.2)	159,250 (46.6)	0.25 (1.70)	1/4	1050	245 (111)	Y	MECHANICAL	MECHANICAL	WALL THERMOSTAT							5.8		120V/1ø	2 #12 RW90	21mm	15A/1P	D2-40	COMPLETE WITH 100ø VENT CONNECTION VENT KIT, 150ø COMBUSTION AIR INLET KIT, TRANSFORMER & LOW VOLTAGE THERMOSTAT, HIGH THERMAL EFFICIENCY 91%, SEPARATED COMBUSTION UNIT HEATER, AIRFLOW DIRECTION HOOD.
UH-10A	240 WAREHOUSE	2458 (1,159)	175,000 (51.2)	159,250 (46.6)	0.25 (1.70)	1/4	1050	245 (111)	Y	MECHANICAL	MECHANICAL	WALL THERMOSTAT							5.8		120V/1ø	2 #12 RW90	21mm	15A/1P	D2-41	COMPLETE WITH 100ø VENT CONNECTION VENT KIT, 150ø COMBUSTION AIR INLET KIT, TRANSFORMER & LOW VOLTAGE THERMOSTAT, HIGH THERMAL EFFICIENCY 91%, SEPARATED COMBUSTION UNIT HEATER, AIRFLOW DIRECTION HOOD.
UH-11A	240 WAREHOUSE	4430 (2090)	260,000 (76.20)	239,200 (70.1)	0.25 (1.70)	1/2	1050	360 (163)	Y	MECHANICAL	MECHANICAL	WALL THERMOSTAT							5.8		120V/1ø	2 #12 RW90	21mm	15A/1P	D2-42	COMPLETE WITH 100ø VENT CONNECTION VENT KIT, 150ø COMBUSTION AIR INLET KIT, TRANSFORMER & LOW VOLTAGE THERMOSTAT, HIGH THERMAL EFFICIENCY 92%, SEPARATED COMBUSTION UNIT HEATER, AIRFLOW DIRECTION HOOD.
UH-12A	240 WAREHOUSE	2256 (1064)	131,000 (35.4)	121,830 (135.7)	0.25 (1.70)	1/4	1050	230 (104)	Y	MECHANICAL	MECHANICAL	WALL THERMOSTAT							5.8		120V/1ø	2 #12 RW90	21mm	15A/1P	D2-43	COMPLETE WITH 100ø VENT CONNECTION VENT KIT, 150ø COMBUSTION AIR INLET KIT, TRANSFORMER & LOW VOLTAGE THERMOSTAT, HIGH THERMAL EFFICIENCY 91%, SEPARATED COMBUSTION UNIT HEATER, AIRFLOW DIRECTION HOOD.
UH-13A	240 WAREHOUSE	2256 (1064)	131,000 (35.4)	121,830 (135.7)	0.25 (1.70)	1/4	1050	230 (104)	Y	MECHANICAL	MECHANICAL	WALL THERMOSTAT							5.8		120V/1ø	2 #12 RW90	21mm	15A/1P	D2-44	COMPLETE WITH 100ø VENT CONNECTION VENT KIT, 150ø COMBUSTION AIR INLET KIT, TRANSFORMER & LOW VOLTAGE THERMOSTAT, HIGH THERMAL EFFICIENCY 91%, SEPARATED COMBUSTION UNIT HEATER, AIRFLOW DIRECTION HOOD.

AIR HANDLING UNIT SCHEDULE (ELECTRIC)

NO.	LOCATION	AIRFLOW CFM (l/s)	EXTERNAL STATIC PRESS. IN. H <sub>2</sub> O (po)	HP	PROVIDE HEATING COIL Y/N	HEATING COIL DATA			PROVIDE COOLING COIL Y/N	COOLING COIL DATA					UNIT WEIGHT LBS (KG)	CONTROLS					FLA	MCA	MOCP	POWER					REMARKS				
						TOTAL kW	EAT °F (°C)	LAT °F (°C)		REFRIGERANT TYPE	TOTAL BTUH (kW)	TOTAL SENSIBLE BTUH (kW)	EAT °F (°C)				SCR	INTERLOCK						NOTES	EM	V/ø	FEEDER	COND		BRKR	CCT		
													DB	WB		DB		WB	PROVIDE	SIZE (kW)												SUPPLY	INSTALL
AHU-1A	240 WAREHOUSE	800 (37.74)	0.75 (174)	0.25	YES	6	SEE EHC-2	SEE EHC-2	YES	R-410A	18,000 (5.3)	16,000 (4.7)	76 (24)	64 (17)	59 (15)	56 (13)	148 (67)	SEE EHC 2	SEE EHC 2	MECHANICAL	MECHANICAL		CJ-1A		1			208V/1ø	2 #12 RW90	21mm	15A/2P	D2-25,26	AHU-1A TO BE COMPLETE WITH ELECTRIC COIL – (SEE EHC-2 FOR COIL) & DX COOLING COIL. ECONOMIZER C/W CONTROLLER, DIGITAL 1-STAT, DDC COMPATIBLE.

\*ENSURE HEAT CAPACITY LISTED MATCHES DESIGN INTENT/VOLTAGE. WHEN HEATING COIL IS DERATED DUE TO VOLTAGE, MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING SUPPLEMENTARY HEAT TO MATCH SPECIFICATIONS.

ERV SCHEDULE

NO.	LOCATION	AIRFLOW CFM (l/s)	EXTERNAL STATIC PRESS. IN. H <sub>2</sub> O (pa)	HP	PROVIDE PREHEAT COL Y/N	MINIMUM SEASONAL EFFICIENCY %	# OF FANS	UNIT WEIGHT LBS (kg)	CONTROLS					FLA	MCA	MOCP	POWER					REMARKS			
									INTERLOCK			F.A. SHUT DOWN	DATA CONN.				NOTES	PANEL	EM	V/ø	FEEDER		COND	BRKR	CCT
									SUPPLY	INSTALL	WITH														
ERV-1A	231 EXISTING EXAM AREA	900 (425)	1 (250)	1.5	YES	75	2	442 (200)	MECHANICAL	MECHANICAL	AHU-1A	Y				18.5		25	208V/1ø	2 #12 RW90	21mm	25A/2P	D2-23,24	COMPLETE WITH STARTER, CONTROL MODULE, CONTROLS TO BE DDC COMPATIBLE. PROVIDE DFC CONTROL FOR DEFROST MODE WITH AUTO CONTROL AND TEMPERATURE SENSING BULB IN DUCT.	

PUMP SCHEDULE

NO.	LOCATION	PUMP TYPE	FLUID TYPE	SIZE IN. (mm)	FLOW GPM (l/s)	HEAD FT (pa)	SPEED RPM	STARTER				POWER								INTERLOCK			CONTROLS					REMARKS			
								SUPPLY	INSTALL	PACK	VSD	HP (kw)	FLA	MCA	MOCP	EM	V/ø	FEEDER	COND	BRKR	CCT	SUPPLY	INSTALL	WITH	F.A. SHUT DOWN	DATA CONN.	NOTES		PANEL		
																													INTEGRAL	REMOTE	120V CIRC
STP-1	240 WAREHOUSE	SUBMERSIBLE	WATER	2" (50)	60 (4)	25 (7)	1750	MECHANICAL	ELECTRICAL			3/4	4.5			208V/3ø	3 #12 RW90	21mm	30A/3P	D2-20,21, 22	MECHANICAL	ELECTRICAL				●	●	PROVIDE LIFTOUT LUGS, LEAD/LAG CONTROL PANEL, CONTACT FOR DDC & LOCAL PANEL LIGHT & AVAILABLE ALARM. FLOATS WITH 15 METER CABLE, & ALTERNATING SWITCH FOR DUTY STANDBY OPERATION. PUMPS TO BE SOLIDS HANDLING COMPLETE WITH EXPLOSION PROOF MOTORS & FLOAT CONTROLS. ALL ELECTRIC DEVICES INSIDE SUMP PIT WITHIN 50MM OF FLOOR ELEVATION TO BE RATED FOR CLASS-1. ELECTRICAL CONTRACTOR SHALL WIRE & CONNECT PANEL, PUMPS, FLOATS & ALARMS AS SUPPLIED BY MECHANICAL.			
STP-2	240 WAREHOUSE	SUBMERSIBLE	WATER	2" (50)	60 (4)	25 (7)	1750	MECHANICAL	ELECTRICAL			3/4	4.5			208V/3ø	3 #12 RW90	21mm	30A/3P	D2-20,21, 22	MECHANICAL	ELECTRICAL				●	●				