

EXHAUST FAN VENTILATOR SCHEDULE

MARK	CFM	RPM	S.P.	ELECTRICAL	CONTROLS	MODEL NO./DESCRIPTION	NOTES
EF-A	100	1,053	0.250	115V / 0.18A	LOCAL OCCUPANCY SENSOR	GREENHECK NO. SP-A125 PREMIUM CEILING EXHAUST FAN	1,2,3,7
EF-B	150	708	0.250	115V / 0.46A	THERMOSTAT	GREENHECK NO. SP-A200 PREMIUM CEILING EXHAUST FAN	1,2,3,7
EF-C	200	836	0.250	115V / 0.46A	LOCAL SWITCH	GREENHECK NO. SP-A200 PREMIUM CEILING EXHAUST FAN	1,2,3,7
EF-D	250	999	0.250	115V / 0.56A	LOCAL SWITCH	GREENHECK NO. SP-A250 PREMIUM CEILING EXHAUST FAN	1,2,4,7
EF-E	300	907	0.250	115V / 1.7A	BMS	GREENHECK NO. SP-A410 PREMIUM CEILING EXHAUST FAN	1,2,4,7
EF-F	350	998	0.250	115V / 1.7A	BMS	GREENHECK NO. SP-A410 PREMIUM CEILING EXHAUST FAN	1,2,4,7
EF-G	350	777	0.250	115V / 4.9A	24/7 CONTINUOUS	GREENHECK NO. CSP-A170 DIRECT DRIVE INLINE EXHAUST FAN	1,2,4,7,8
EF-H	1,500	1,515	0.250	115V / 8.4A	LOCAL EMERGENCY SWITCH	GREENHECK NO. CSP-A150 DIRECT DRIVE INLINE EXHAUST FAN	1,2,4,7
EF-I	150	1,298	0.250	115V / 1.3A	BMS	GREENHECK NO. CUE-070-VG DIRECT DRIVE UPBLAST CENTRIFUGAL ROOF EXHAUST FAN	1,2,7
EF-J	200	1,384	0.250	115V / 1.3A	BMS	GREENHECK NO. CUE-070-VG DIRECT DRIVE UPBLAST CENTRIFUGAL ROOF EXHAUST FAN	1,2,7
EF-K	250	1,504	0.250	115V / 1.3A	BMS	GREENHECK NO. CUE-070-VG DIRECT DRIVE UPBLAST CENTRIFUGAL ROOF EXHAUST FAN	1,2,7
EF-L	250	1,504	0.250	115V / 1.3A	LOCAL SWITCH	GREENHECK NO. CUE-070-VG DIRECT DRIVE UPBLAST CENTRIFUGAL ROOF EXHAUST FAN	1,2,7
EF-M	275	1,566	0.250	115V / 1.3A	BMS	GREENHECK NO. CUE-070-VG DIRECT DRIVE UPBLAST CENTRIFUGAL ROOF EXHAUST FAN	1,2,7
EF-N	300	1,643	0.250	115V / 1.3A	BMS	GREENHECK NO. CUE-070-VG DIRECT DRIVE UPBLAST CENTRIFUGAL ROOF EXHAUST FAN	1,2,7
EF-O	350	1,092	0.250	115V / 1.5A	BMS	GREENHECK NO. CUE-090-VG DIRECT DRIVE UPBLAST CENTRIFUGAL ROOF EXHAUST FAN	1,2,7
EF-P	375	1,118	0.250	115V / 1.5A	-	GREENHECK NO. CUE-090-VG DIRECT DRIVE UPBLAST CENTRIFUGAL ROOF EXHAUST FAN	1,2,7
EF-Q	1,600	1,158	0.250	115V / 3.0A	INTERLOCKED WITH HOOD	GREENHECK NO. CSP-A1750 DIRECT DRIVE INLINE EXHAUST FAN	1,2,5,7

NOTES:
 (1) MODEL NUMBERS NOTED ARE GREENHECK EQUIPMENT, UNLESS OTHERWISE NOTED. EQUALIST FANS MEETING OR EXCEEDING PERFORMANCE DATA MANUFACTURED BY OOKOR OR CARRIES ARE ACCEPTABLE SUBSTITUTES. ALL PARTS SHALL HAVE UL LISTED LABELS AND ORIGINAL MOTOR COVERS.
 (2) PROVIDE UNIT WITH CONDENSER COIL GUARD (METAL GRILLE w/ PVC COATING).
 (3) CONTRACTOR RESPONSIBLE FOR LEFT OR RIGHT HAND MOTOR/BLOWER ASSY SELECTION INDICATED ON DETAILS.
 (4) FURNISH AND INSTALL 1/2" HOOD WALL CAP WITH INTEGRAL FLASHING, BOB, AND BRID SCREEN. GREENHECK MODEL NO. WC OR EQUIVALENT.
 (5) FURNISH AND INSTALL 1/2" HOOD WALL CAP WITH INTEGRAL FLASHING, BOB, AND BRID SCREEN. GREENHECK MODEL NO. WC OR EQUIVALENT.
 (6) PROVIDE UNIT WITH DEMAND CONTROLLED VENTILATION AND MOTORIZED OUTSIDE AIR DAMPER.
 (7) PROVIDE UNIT WITH BUCKET CHARG FOR CONNECTING TO BUILDING CONTROL SYSTEM.
 (8) PROVIDE UNIT WITH AUXILIARY EMERGENCY DRAIN PAN AND CONDENSATE FLOAT SWITCH MOUNTED TO DRAIN PAN. FLOAT SWITCH SHALL SHUT DOWN UNIT FAN AND CONDENSER UPON ACTIVATION.
 (9) CHEMISTRY STORAGE AND PREP ROOM FAN SHALL OPERATE 24/7 CONTINUOUSLY.
 (10) PROVIDE UNIT WITH DUAL REFRIGERANT CIRCUITS AND VARIABLE SPEED AIR HANDLING UNIT.
 (11) PROVIDE UNIT WITH MANUFACTURER'S CORROSION RESISTANCE COATING.

ABBREVIATIONS: SYS = SYSTEM
 TOL = TOTAL COOLING LOAD (MBH) SC = SENSIBLE COOLING (MBH) HEAT = HEAT LOAD (MBH) HEAT = HEAT LOAD (MBH) HP = MAXIMUM MOTOR HORSEPOWER RLA = RATED LOAD AMPS FLA = FAN MOTOR FULL LOAD AMPS MCA = MINIMUM CIRCUIT CAPACITY (AMPS) W/A = NOT APPLICABLE STAGE = # OF HEAT STRIP STAGES

ROOFTOP DOAS EQUIPMENT SCHEDULE

SYS	ZONE	AIRFLOW/FAN DATA										EQUIPMENT MODEL NO.	ELECTRICAL DATA			HEATING DATA			FUEL	EER	NOTES	WEIGHT
		CFM	O.A.	ESP	TCL	SC	EATdb	EAwb	LAwb (COIL)	LAwb (COIL)	LAwb (PREHEAT)		MODEL NUMBER	VOLT/PH	MCA	MOCP	HEATING INPUT	HEATING OUTPUT				
RTU-3		1,800	1,050	0.5	98.5	57.6	88.1	73.2	54.8	54.5	80.6	TRANE OAD01084A	460V/3PH	20.7	30	100.0	80.0	NATURAL GAS	12.6	1-8,12,13	1,472 LBS	
RTU-4		3,100	1,350	0.5	155.1	97.7	83.8	69.9	54.3	53.8	84.2	TRANE OADG012C3	460V/3PH	30.0	35	150.0	120.0	NATURAL GAS	13.7	1-8,10,12,13	3,102 LBS	
RTU-5		2,650	1,375	0.5	153.7	91.7	85.4	71.2	53.3	52.8	85.3	TRANE OADG012C3	460V/3PH	29.4	35	150.0	120.0	NATURAL GAS	13.9	1-8,10,12,13	3,110 LBS	
VSU-1		3,920	3,920	0.5	341.8	179.2	95.0	78.0	53.0	52.7	78.8	TRANE OAD0360E4	460V/3PH	63.3	80	300.0	240.0	NATURAL GAS	12.4	1-8,10,12,13	3,635 LBS	
VSU-2		4,430	4,430	0.5	394.2	204.3	95.0	78.0	52.9	52.0	85.1	TRANE OAD0420E4	460V/3PH	65.4	80	350.0	280.0	NATURAL GAS	12.3	1-8,10,12,13	5,369 LBS	
VSU-3		1,435	1,435	0.5	128.0	66.9	95.0	78.0	52.6	52.0	89.1	TRANE OADG010A3	460V/3PH	24.9	30	150.0	120.0	NATURAL GAS	13.7	1-8,12,13	3,007 LBS	
VSU-4		1,535	1,535	0.5	131.2	69.0	95.0	78.0	54.0	53.4	89.1	TRANE OADG010A3	460V/3PH	24.9	30	150.0	120.0	NATURAL GAS	14.0	1-8,12,13	3,007 LBS	
VSU-5		2,185	2,185	0.5	192.5	100.5	95.0	78.0	53.0	52.4	88.6	TRANE OADG015A3	460V/3PH	34.8	45	200.0	160.0	NATURAL GAS	14.2	1-8,12,13	3,062 LBS	
VSU-6		1,885	1,885	0.5	181.9	94.0	95.0	78.0	53.6	49.1	88.7	TRANE OADG015A3	460V/3PH	34.8	45	200.0	160.0	NATURAL GAS	13.5	1-8,12,13	3,059 LBS	
VSU-7		2,770	2,770	0.5	244.5	127.4	95.0	78.0	53.0	52.3	88.4	TRANE OADG020A3	460V/3PH	40.7	50	250.0	200.0	NATURAL GAS	13.8	1-8,12,13	3,287 LBS	
VSU-8		3,325	3,325	0.5	283.4	149.6	95.0	78.0	53.9	53.4	78.6	TRANE OAD0264E4	460V/3PH	46.3	60	250.0	200.0	NATURAL GAS	13.2	1-8,12,13	3,491 LBS	
VSU-12		3,000	3,000	0.5	237.0	127.2	95.0	78.0	53.8	53.8	87.9	TRANE OAD060E4	460V/3PH	40.7	50	250.0	200.0	NATURAL GAS	13.8	1-8,12,13	3,350 LBS	
VSU-13		1,800	1,800	0.5	157.4	81.2	95.0	78.0	53.8	53.2	88.8	TRANE OADG012A3	460V/3PH	28.6	35	150.0	120.0	NATURAL GAS	14.4	1-8,10,12,13	3,058 LBS	

NOTES:
 (1) TOTAL COOLING LOAD, SENSIBLE COOLING LOAD, AND HEATING LOAD UNITS ARE MBH. COOLING LOADS INCLUDES VENTILATION, HEAT PAIL, & PLUMIN HEAT GAIN DURING NON-SIMULTANEOUS PEAK OPERATION w/ INCLUSION OF ZONE DIVERSITY.
 (2) SEE ALSO EQUIPMENT INSTALLATION DETAILS FOR ACCESSORIES, OPTIONS, ETC.
 (3) PROVIDE UNIT WITH CONDENSER COIL GUARD (METAL GRILLE w/ PVC COATING).
 (4) HEATING LOAD UNITS ARE MBH. EXTERIOR DESIGN CONDITIONS: WINTER DRY BULB = 18°F, SUMMER DRY BULB = 95°F, SUMMER WET BULB = 75°F
 (5) CONTRACTOR RESPONSIBLE FOR LEFT OR RIGHT HAND MOTOR/BLOWER ASSY SELECTION.
 (6) PROVIDE UNITS WITH EQUAL STAGES OF HEATING AND COOLING. (EQ 15 TON = 7.5 TON x 2)
 (7) PROVIDE UNIT WITH POWERED CONVENIENCE OUTLET.
 (8) PROVIDE UNIT WITH DEMAND CONTROLLED VENTILATION AND MOTORIZED OUTSIDE AIR DAMPER.
 (9) PROVIDE UNIT WITH BUCKET CHARG FOR CONNECTING TO BUILDING CONTROL SYSTEM.
 (10) PROVIDE UNIT WITH AUXILIARY EMERGENCY DRAIN PAN AND CONDENSATE FLOAT SWITCH MOUNTED TO DRAIN PAN. FLOAT SWITCH SHALL SHUT DOWN UNIT FAN AND CLOSE HYDRONIC VALVES UPON ACTIVATION.
 (11) WEIGHT LISTED ABOVE DOES NOT INCLUDE ROOF CURBS.
 (12) PROVIDE UNIT WITH MANUFACTURER'S CORROSION RESISTANCE COATING.
 (13) COOLING COIL LEAKING AIR CONDITIONS SHALL BE ACHIEVED AT MINIMUM AND MAXIMUM OUTSIDE AIR FLOW CONDITIONS AND AT ALL FOUR ARI 920-2020 STANDARD PART LOAD CONDITIONS. UNIT SHALL BE TESTED TO ARI 920-2020 AND PERFORMANCE DATA PROVIDED WITH UNIT SUBMITTALS.

ABBREVIATIONS: SYS = SYSTEM
 TOL = TOTAL COOLING LOAD (MBH) SC = SENSIBLE COOLING (MBH) HEAT = HEAT LOAD (MBH) HP = MAXIMUM MOTOR HORSEPOWER RLA = RATED LOAD AMPS FLA = FAN MOTOR FULL LOAD AMPS MCA = MINIMUM CIRCUIT CAPACITY (AMPS) W/A = NOT APPLICABLE STAGE = # OF HEAT STRIP STAGES EQ = EXTERIOR DESIGN CONDITIONS EQ1 = WINTER DRY BULB EQ2 = WINTER WET BULB EQ3 = SUMMER DRY BULB EQ4 = SUMMER WET BULB EQ5 = COOL LEAKING AIR WET BULB LEAK (EQ4) = COOL LEAKING AIR WET BULB LEAK (EQ4) = HEAT LEAKING AIR WET BULB LEAK (EQ4) = HEAT LEAKING AIR WET BULB LEAK (EQ4)

SPLIT SYSTEM HEAT PUMP EQUIPMENT SCHEDULE (ALT. BID)

SYSTEM	ZONE	CFM	O.A.		ELECTRICAL DATA																			
			MIN	MAX	ESP	TCL	SC	EATdb	EAwb	OUTDOOR	INDOOR	OUTDOOR	MCA	MOCP	AUX	STAGE	EER	NOTES	WEIGHT					
AHU-1/HP-1	AUX GYM	6,000	250	2,500	0.5	180.0	126.0	-	-	-	TRANE TWA18044D	TRANE TWE18044B	460V/3PH	32.0	40	762 LBS	460V/3PH	51.0	60	29.92 KW	2	10.8	1-10	688 LBS
AHU-2/HP-2	AUX GYM	6,000	250	2,500	0.5	180.0	126.0	-	-	-	TRANE TWA18044D	TRANE TWE18044B	460V/3PH	32.0	40	762 LBS	460V/3PH	51.0	60	29.92 KW	2	10.8	1-10	688 LBS
AHU-3/HP-3	AUX GYM	1,200	200	-	0.5	35.0	25.2	-	-	-	TRANE 4TWA036400A	TRANE GAMS0936M315B	460V/3PH	6.0	15	208 LBS	208V/1PH	48.0	50	7.2 KW	1	14.8	1-8	142 LBS
AHU-4/HP-4	AUX GYM	4,000	450	-	0.5	120.0	84.0	-	-	-	TRANE TWA12044D	TRANE TWE12044B	460V/3PH	18.0	25	433 LBS	460V/3PH	44.0	45	24.92 KW	2	11.2	1-10	408 LBS

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 (2) SEE ALSO EQUIPMENT INSTALLATION DETAILS FOR ACCESSORIES, OPTIONS, ETC.
 (3) PROVIDE UNIT WITH CONDENSER COIL GUARD (METAL GRILLE w/ PVC COATING).
 (4) HEATING LOAD UNITS ARE MBH. EXTERIOR DESIGN CONDITIONS: WINTER DRY BULB = 18°F, SUMMER DRY BULB = 95°F, SUMMER WET BULB = 75°F
 (5) CONTRACTOR RESPONSIBLE FOR LEFT OR RIGHT HAND MOTOR/BLOWER ASSY SELECTION.
 (6) PROVIDE UNIT WITH 7-DAY PROGRAMMABLE THERMOSTAT.
 (7) PROVIDE UNIT WITH BUCKET CHARG FOR CONNECTING TO BUILDING CONTROL SYSTEM.
 (8) PROVIDE UNIT WITH DEMAND CONTROLLED VENTILATION AND MOTORIZED OUTSIDE AIR DAMPER. PROVIDE AND INSTALL CARBON DIOXIDE SENSOR IN ZONE WHERE INDICATED ON DRAWINGS) AND CONNECT BACK TO BUILDING CONTROL SYSTEM.
 (9) PROVIDE UNIT WITH DUAL REFRIGERANT CIRCUITS AND VARIABLE SPEED AIR HANDLING UNIT.
 (10) PROVIDE UNIT WITH MANUFACTURER'S CORROSION RESISTANCE COATING.

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MODULAR AIR HANDLING UNIT EQUIPMENT SCHEDULE

TAG	SYSTEM	ZONE	AIR DATA		COOLING DATA										HEATING DATA			MOTOR DATA			EQUIPMENT DATA									
			CFM	OA	TCL	SC	EATdb	EAwb	LAwb	LAwb (COIL)	LAwb (PREHEAT)	MODEL NUMBER	VOLT/PH	MCA	MOCP	HEATING INPUT	HEATING OUTPUT	FUEL	EER	NOTES	WEIGHT									
AHU-100A	DINING ROOM 100	8000	2800	402	228.7	81.4	55.0	26.4	57.5	56.0	2-1/2"	10	6000	382.4	46.3	105.0	160.1	38.5	2"	10	1.25	10	17.7	30	460/3Φ	VERTICALAHU	TRANE/UCCA-17	6/2	1-14	1,732 LBS
AHU-100B	DINING ROOM 100	8000	2800	402	228.7	81.4	55.0	26.4	57.5	56.0	2-1/2"	10	6000	382.4	46.3	105.0	160.1	38.5	2"	10	1.25	10	17.7	30	460/3Φ	VERTICALAHU	TRANE/UCCA-17	6/2	1-14	1,732 LBS
AHU-164A	BAND ROOM 164	3000	700	114	77.8	78.9	55.0	23.9	16.5	55.8	1-1/2"	10	2250	123.3	54.5	105.0	160.3	12.5	1-1/4"	10	1.25	5	28	50	208/3Φ	HORIZONTALAHU	TRANE/UCCA-08	6/2	1-14	762 LBS
AHU-164B	BAND ROOM 164	3000	700	114	77.8	78.9	55.0	23.9	16.5	55.8	1-1/2"	10	2250	123.3	54.5	105.0	160.3	12.5	1-1/4"	10	1.25	5	28	50	208/3Φ	HORIZONTALAHU	TRANE/UCCA-08	6/2	1-14	762 LBS

NOTES:
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 (2) SEE ALSO EQUIPMENT INSTALLATION DETAILS FOR ACCESSORIES, OPTIONS, ETC.
 (3) PROVIDE UNIT WITH CONDENSER COIL GUARD (METAL GRILLE w/ PVC COATING).
 (4) HEATING LOAD UNITS ARE MBH. EXTERIOR DESIGN CONDITIONS: WINTER DRY BULB = 18°F, SUMMER DRY BULB = 95°F, SUMMER WET BULB = 75°F
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 (6) PROVIDE UNITS WITH EQUAL STAGES OF HEATING AND COOLING. (EQ 15 TON = 7.5 TON x 2)
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 (11) WEIGHT LISTED ABOVE DOES NOT INCLUDE ROOF CURBS.
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ELECTRIC UNIT HEATER SCHEDULE

TAG(S)	SERVICE	HEAT	MBH	CFM	MFR / MODEL NO.	ELECT	NOTES	WEIGHT
UH-1	SPR 842	3.3 kW	11.2	400	MARKEL NO. G1G5103N	277V/1PH/11.9A	1-3	25 LBS
UH-2	SPR 521	3.3 kW	11.2	400	MARKEL NO. G1G5103N	277V/1PH/11.9A	1-3	25 LBS

NOTES:
 (1) PROVIDE UNIT WITH CONDENSER COIL GUARD (METAL GRILLE w/ PVC COATING).
 (2) UL LISTED ELECTRIC HEATERS MEETING OR EXCEEDING SPECIFICATIONS MANUFACTURED BY STERLING SHALL BE CONSIDERED EQUAL.
 (3) M.C. SHALL PROVIDE MANUFACTURER'S WALL MOUNTED BRACKET WITH DUST SHIELD

DX CONDENSING/HEAT PUMP EQUIPMENT SCHEDULE

SYS	ZONE	AIRFLOW/FAN DATA										HEATING COIL			EQUIPMENT MODEL NO.							
		CFM	O.A.	ESP	TCL	SC	EATdb	EAwb	HEAT	GPM	OUTDOOR	INDOOR	OUTDOOR	MCA	MOCP	WEIGHT	INDOOR	MCA	MOCP	AUX	STAGE	EER
CU-2/AHU-2	15 TON	6000	1500	0.5	180.0	126.0	-	-														