

SPLIT SYSTEM HEAT PUMP SCHEDULE

MARK	OUTDOOR MARK	SUPPLY CFM	OUTDOOR AIR CFM	SUPPLY FAN		INDOOR UNIT TYPE	TYPE OF REFRIGERANT	COOLING COIL @ 95 DEG. F								HEATING COIL				ELECTRICAL				INDOOR MODEL	OUTDOOR MODEL	MANUFACTURER
				TSP (IN. W.G.)	ESP (IN. W.G.)			TOTAL CAPACITY (MBH)	SENS CAPACITY (MBH)	EAT DB	EAT WB	LAT DB	LAT WB	CFM	TYPE	CAPACITY (MBH) @ 17°F	EAT DB	LAT DB	AUXILIARY COIL CAPACITY (KW)	VOLTAGE	PHASE	VOLTAGE	PHASE			
AH-3	HP-3	2000 CFM	400 CFM	1.58	0.75	UPFLOW	410A	60.0	45.6	80°F	67°F	58°F	56°F	2000 CFM	HEAT PUMP	25.6	65°F	95°F	7.5	208	1	208 V	1	BCCD060	4TWR4	TRANE
AH-4	HP-4	1500 CFM	320 CFM	1.70	1.00	UPFLOW	410A	52.4	36.9	80°F	67°F	58°F	56°F	1500 CFM	HEAT PUMP	25.6	65°F	95°F	7.5	208	1	208 V	1	BCCD048	4TWR4	TRANE

NOTES:
 1. PROVIDE LOW AMBIENT CONTROL TO 0°F.
 2. PROVIDE ANTISHORT CYCLE.
 3. PROVIDE HILO PRESSURE SWITCH.
 4. PROVIDE EMERGENCY FILTERS.
 5. INSTALL AIR HANDLER ON METAL SUPPORT FRAME. PROVIDE BOTTOM RETURN AIR KIT.
 6. PROVIDE SINGLE POINT POWER.
 7. AIR HANDLER SHALL BE INSTALLED IN THE UPFLOW POSITION.

SPLIT SYSTEM AIR HANDLING UNIT WITH FURNACE SCHEDULE

MARK	OUTDOOR MARK	SUPPLY CFM	OUTDOOR AIR CFM	SUPPLY FAN ESP (IN. W.G.)	INDOOR UNIT TYPE	TYPE OF REFRIGERANT	COOLING COIL @ 95 DEG. F								FURNACE								ELECTRICAL				INDOOR MODEL	OUTDOOR MODEL	MANUFACTURER
							TOTAL CAPACITY (MBH)	SENS CAPACITY (MBH)	EAT DB	EAT WB	LAT DB	LAT WB	CFM	TYPE	INPUT	OUTPUT (MBH)	EAT DB	LAT DB	SEER	AJUE %	VOLTAGE	PHASE	VOLTAGE	PHASE					
AH-2	CU-2	1200 CFM	240 CFM	0.90	UPFLOW	410A	36.9	27.6	80°F	67°F	58°F	56°F	14	1200 CFM	GAS	60.0	50	60°F	95°F	17	80	120	1	208 V	1	4PXCCU06B53 + SX1C100MPSA	4TTR4	TRANE	
AH-5	CU-5	1500 CFM	300 CFM	0.90	UPFLOW	410A	48.7	35.1	80°F	67°F	58°F	56°F	13.5	1500 CFM	GAS	80.0	66	60°F	95°F	16	80	120	1	208 V	1	4PXCCU06B53 + SX1C100MPSA	4TTR4	TRANE	
AH-6	CU-6	2000 CFM	250 CFM	0.90	UPFLOW	410A	59.8	44.5	80°F	67°F	58°F	56°F	12.5	2000 CFM	GAS	100.0	80	60°F	95°F	15	80	120	1	208 V	1	4PXCCU06B53 + SX1C100MPSA	4TTR4	TRANE	

NOTES:
 1. PROVIDE CONCENTRIC VENT KIT FOR FLUE GAS AND COMBUSTION AIR INTAKE. MODEL BAYAR30A/VENTA OR EQUAL.
 2. PROVIDE LOW AMBIENT CONTROL TO 0°F.
 3. PROVIDE ANTISHORT CYCLE.
 4. PROVIDE HILO PRESSURE SWITCH.
 5. PROVIDE EMERGENCY FILTERS.
 6. INSTALL AIR HANDLER ON METAL SUPPORT FRAME. PROVIDE BOTTOM RETURN AIR KIT.
 7. PROVIDE SINGLE POINT POWER.
 8. FURNACE AND COOLING COIL SHALL BE INSTALLED IN THE UPFLOW POSITION.

DUCTLESS MINI-SPLIT SYSTEM HEAT PUMP SCHEDULE

MARK	OUTDOOR MARK	TYPE OF REFRIGERANT	COOLING COIL @ 95 DEG. F			HEATING @ 47 DEG. F			INDOOR UNIT TYPE	ELECTRICAL		INDOOR MODEL	OUTDOOR MODEL	MANUFACTURER
			RATED CAPACITY (MBH)	MINIMUM CAPACITY (MBH)	EER @ AHR1	RATED CAPACITY (MBH)	MINIMUM CAPACITY (MBH)	COP		VOLTAGE	PHASE			
AH-7	HP-7	R-410A	12.0	5.8	12	14	14	4.31	1	120	1	PKA-A2H47	FUZA12N47	MITSUBISHI

NOTES:
 1. WIRED THERMOSTAT IN SPACE.

MECHANICAL / ELECTRICAL EQUIPMENT COORDINATION SCHEDULE

MARK	MECH UNIT FUNCTION	VOLTAGE	PHASE	HP	FLA	MCA	MOCP	DISCONNECT FURN.	STARTER FURN.	BY	CONTROLS	NOTES
AH-1	AIR HANDLER	120	1		14.1	15	MC	MC	MC	MC	THERMOSTAT	
AH-2	AIR HANDLER	120	1		14.1	15	MC	MC	MC	MC	THERMOSTAT	
AH-3	AIR HANDLER	208	1		55	60	MC	MC	MC	MC	THERMOSTAT	
AH-4	AIR HANDLER	208	1		55	60	MC	MC	MC	MC	THERMOSTAT	
AH-5	AIR HANDLER	120	1		14.1	15	MC	MC	MC	MC	THERMOSTAT	
AH-6	AIR HANDLER	120	1		14.1	15	MC	MC	MC	MC	THERMOSTAT	
AH-7	DUCTLESS MINI SPLIT AIR HANDLER	120	1				MC	MC	MC	MC	THERMOSTAT	INDOOR UNIT SERVED FROM OUTDOOR UNIT ELECTRICAL CONNECTION
CU-2	CONDENSING UNIT	208	1		26	40	MC	MC	MC	MC		
CU-5	CONDENSING UNIT	208	1		26	40	MC	MC	MC	MC		
CU-6	CONDENSING UNIT	208	1		32	50	MC	MC	MC	MC		
EF-1	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-2	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-3	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-4	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-5	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-6	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-7	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-8	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-9	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-10	EXHAUST FAN	115	1	1/15			15	MC	MC	MC		
EF-11	EXHAUST FAN	115	1	1/2			15	MC	MC	MC	THERMOSTAT	
EF-12	VEHICLE EXHAUST FAN	208	3	5			35	MC	MC	MC	CONTROL PANEL	
EF-12 ALT	VEHICLE EXHAUST FAN	208	3	7.5			50	MC	MC	MC	CONTROL PANEL	
EF-13	EXHAUST FAN	115	1	1/15			15	MC	MC	MC	THERMOSTAT	
EF-13 ALT	EXHAUST FAN	115	1	1/15			15	MC	MC	MC	THERMOSTAT	
EF-14	EXHAUST FAN	115	1	1/20			15	MC	MC	MC	THERMOSTAT	
GH-2	GAS HEATER	120	1	1/8			15	MC	MC	MC	THERMOSTAT	
GH-3	GAS HEATER	120	1	1/8			15	MC	MC	MC	THERMOSTAT	
GH-4	GAS HEATER	120	1	1/8			15	MC	MC	MC	THERMOSTAT	
GH-4 ALT	GAS HEATER	120	1	1/8			15	MC	MC	MC	THERMOSTAT	
HP-3	HEAT PUMP	208	1				32	30	MC	MC		
HP-4	HEAT PUMP	208	1				25	45	MC	MC		
HP-7	HEAT PUMP	208	1				11	30	MC	MC		

AIR DISTRIBUTION SCHEDULE

MARK	DESCRIPTION	FACE SIZE	NECK SIZE	THROW PATTERN	MAX IN	MODEL	MANUFACTURER
A	PLAQUE FACE D FRUSER	12x12"	8"	4-WAY	20	ASPD	PRICE
B	PLAQUE FACE D FRUSER	24x24"	8"	4-WAY	20	ASPD	PRICE
C	PLAQUE FACE D FRUSER	24x24"	10"	4-WAY	20	ASPD	PRICE
X	RETURN GRILLE	24x24"	22x22"	---	20	APDR	PRICE

NOTES:
 1. COORDINATE MOUNTING TYPE AND ACCESSORIES WITH ARCHITECTURAL CEILING GRID.
 2. COORDINATE AIR DISTRIBUTION LOCATIONS WITH ALL OTHER TRACES.
 3. AIR DISTRIBUTION TO BE ALUMINUM CONSTRUCTION WITH BAKED ENAMEL "WHITE" FINISH.
 4. SURFACE MOUNTED AIR DISTRIBUTION DEVICES SHALL BE MOUNTED WITHOUT VISIBLE FASTENERS.

GAS UNIT HEATER SCHEDULE

MARK	TYPE	CFM	FAN HP	INPUT (MBH)	OUTPUT (MBH)	TEMPERATURE RISE	VOLTAGE	PHASE	MODEL	MANUFACTURER
GH-1	HORIZONTAL DISCHARGE	1100 CFM	1/8	55	51	40°F	120 V	1	PTC	MOORE
GH-2	HORIZONTAL DISCHARGE	1100 CFM	1/8	55	51	40°F	120 V	1	PTC	MOORE
GH-3	HORIZONTAL DISCHARGE	1100 CFM	1/8	55	51	40°F	120 V	1	PTC	MOORE
GH-4	HORIZONTAL DISCHARGE	1100 CFM	1/8	55	51	40°F	120 V	1	PTC	MOORE
GH-5 ALT	HORIZONTAL DISCHARGE	1100 CFM	1/8	55	51	40°F	120 V	1	PTC	MOORE
GH-6 ALT	HORIZONTAL DISCHARGE	1100 CFM	1/8	55	51	40°F	120 V	1	PTC	MOORE

NOTES:
 1. PROVIDE SINGLE POINT ELECTRICAL AND THERMAL OVERLOAD PROTECTION.
 2. PROVIDE WALL MOUNT KIT AND MOTOR BELT GUARD.
 3. PROVIDE WITH NATURAL GAS KIT.
 4. PROVIDE WITH HORIZONTAL CONCENTRIC VENT KIT (4" CONCENTRIC FLUE + COMBUSTION AIR INTAKE).

EXHAUST FAN SCHEDULE

MARK	CFM	ESP (IN. W.G.)	TYPE	FRPM	MAXIMUM SOUND RATING (SONES)	VOLTAGE	PHASE	BHP	MODEL	MANUFACTURER
EF-1	250 CFM	0.50	CABINET	1050	5.7	115 V	1	1/15	SP-A30-VG	GREENHECK
EF-2	70 CFM	0.50	CABINET	1050	5.7	115 V	1	1/15	SP-B150	GREENHECK
EF-3	70 CFM	0.50	CABINET	1050	5.7	115 V	1	1/15	SP-B150	GREENHECK
EF-4	120 CFM	0.50	CABINET	1050	5.7	115 V	1	1/15	SP-B150	GREENHECK
EF-5	120 CFM	0.50	CABINET	1050	5.7	115 V	1	1/15	SP-B150	GREENHECK
EF-6	120 CFM	0.50	CABINET	1050	5.7	115 V	1	1/15	SP-B150	GREENHECK
EF-7	70 CFM	0.50	CABINET	1050	5.7	115 V	1	1/15	SP-B150	GREENHECK
EF-8	70 CFM	0.50	CABINET	1050	5.7	115 V	1	1/15	SP-B150	GREENHECK
EF-9	70 CFM	0.50	CABINET	1050	5.7	115 V	1	1/15	SP-B150	GREENHECK
EF-10	450 CFM	0.50	ROOF MOUNTED	1725	5.7	115 V	1	1/15	G-070-E	GREENHECK
EF-11	3200 CFM	0.50	SIDEWALL	1750	25	115 V	1	1/2	ABR-EX20-319-AS	GREENHECK
EF-13	2800 CFM	0.20	SIDEWALL	1350	25	208 V	3	3/4	SEE SPEC'S	GREENHECK
EF-13 ALT	2800 CFM	0.20	SIDEWALL	1350	25	115 V	3	3/4	SEE SPEC'S	GREENHECK
EF-14	300 CFM	0.20	ROOF MOUNTED	1050	7.3	115 V	1	1/20	G-080-E	GREENHECK

NOTES:
 1. EXHAUST FANS EF-1 THROUGH EF-10 WILL BE TIED TO OCCUPANCY SENSORS IN ROOM. SEE ELECTRICAL PLANS.
 2. EXHAUST FAN EF-11, 13, AND 14 WILL BE TIED TO THERMOSTAT IN ROOM.
 3. PROVIDE EF-10 WITH BACKDRAFT DAMPER AND BIRDSCREEN.
 4. PROVIDE EF-11 AND EF-13 WITH MOTOR BELT GUARD.

LOUVER SCHEDULE

MARK	TYPE	WID	HEIGHT	FREE AREA	CFM	ESP (IN. W.G.)	FREE AREA VELOCITY (FPM)	MODEL	MANUFACTURER
L-1	INTAKE	27"	30"	4.86 SF	3200 CFM	0.10	686	EL-F3750-XH	RUSKIN
L-2	INTAKE	20"	20"	2.70 SF	2000 CFM	0.11	741	EL-F3750-XH	RUSKIN
L-3	INTAKE	27"	30"	4.86 SF	3200 CFM	0.10	741	EL-F3750-XH	RUSKIN
L-4	INTAKE	27"	30"	4.86 SF	3200 CFM	0.10	711	EL-F3750-XH	RUSKIN

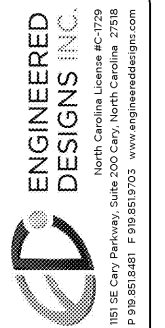
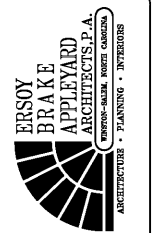
NOTES:
 1. PROVIDE WITH MOTORIZED DAMPER. DAMPER OPERATION CONTROLLED BY EXHAUST FAN.

GRAVITY VENTILATOR SCHEDULE

MARK	CFM	ESP (IN. W.G.)	DESCRIPTION	VELOCITY (FPM)	NECK SIZE	MANUFACTURER	MODEL
GVE-1	250 CFM	0.01 in wg/100ft	EXHAUST	305	12	GREENHECK	GRSR
GVE-2	240 CFM	0.01 in wg/100ft	EXHAUST	305	8	GREENHECK	GRSR
GVE-3	142 CFM	0.02 in wg/100ft	EXHAUST	378	8	GREENHECK	GRSR
GVE-4	480 CFM	0.01 in wg/100ft	EXHAUST	331	16	GREENHECK	GRSR
GVI-1	400 CFM	0.01 in wg/100ft	INTAKE	276	16	GREENHECK	GRSI
GVI-2	240 CFM	0.01 in wg/100ft	INTAKE	293	12	GREENHECK	GRSI
GVI-3	400 CFM	0.01 in wg/100ft	INTAKE	276	16	GREENHECK	GRSI
GVI-4	320 CFM	0.01 in wg/100ft	INTAKE	221	16	GREENHECK	GRSI
GVI-5	300 CFM	0.01 in wg/100ft	INTAKE	221	16	GREENHECK	GRSI
GVI-6	300 CFM	0.01 in wg/100ft	INTAKE	221	16	GREENHECK	GRSI

NOTES:
 1. PROVIDE WITH BIRDSCREEN.

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