

KITCHEN MAKE-UP AIR UNIT SCHEDULE																														
BASIS OF DESIGN				AIR-HANDLING DATA					COOLING PERFORMANCE DATA					REHEAT PERFORMANCE DATA				HEATING PERFORMANCE DATA					ELECTRICAL DATA					APPROX. WEIGHT LBS	NOTES	
TAG	MANUFACTURER	MODEL	LOCATION	DESCRIPTION	MAXIMUM SUPPLY-AIR CFM	MINIMUM SUPPLY-AIR CFM	ESP INCHES WC	MOTOR HP	MOTOR SPEED CONTROL	TYPE	AMBIENT TEMP. DEG-F	TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	EADB/WB DEG-F	LAOB/WB DEG-F	TYPE	CAPACITY MBH	TEMP. RISE DEG-F	TYPE	CAPACITY MBH	EAT DEG-F	LAT DEG-F	STAGES	VOLTS	PHASE	HERTZ	MCA			MOP
KMU-1	GREENHECK	RV-70-35D	ROOF	DX COOLED MAKE-UP AIR	4,800	2,400	1	(2) 1-1/2	VFD	PACKAGED DX	105	478	197.8	91.8 / 81.2	54.6 / 54.6	MODULATING HOT GAS	176.8	34.1	ELECTRIC	35	46.7	69.7	SCR	480	3	60	73.3	80	6,300	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
<p>GENERAL NOTES</p> <p>G1. PROVIDE THE PRODUCT INDICATED OR A COMPARABLE PRODUCT BY ONE OF THE MANUFACTURERS LISTED IN SPECIFICATION SECTION 237434. CAPTIVE-AIRE MAKE-UP AIR UNITS ARE NOT CONSIDERED APPROVED EQUALS. ANY SUBMITTAL OF CAPTIVE-AIRE MAKE-UP AIR UNITS WILL BE REJECTED.</p> <p>G2. UNIT WEIGHT IS APPROXIMATE AND INCLUDES ACCESSORIES.</p> <p>G3. ALL THREE-PHASE MOTORS SHALL BE PREMIUM EFFICIENCY AND INVERTER-DUTY RATED.</p> <p>G4. UNIT FURNISHED WITH FACTORY-MOUNTED VARIABLE FREQUENCY DRIVE(S). INTERNALLY MOUNTED CONTROL CENTER INCLUDES MOTOR STARTERS, 24 VAC CONTROL TRANSFORMERS AND CONTROL CIRCUIT FUSING.</p> <p>G5. UNIT SHALL BE CAPABLE OF FULL FAN MODULATION FROM MINIMUM TO MAXIMUM SUPPLY AIRFLOW BASED UPON INPUT FROM KITCHEN VENTILATION CONTROL SYSTEM.</p> <p>G6. UNIT SHALL BE DISABLED WHEN THE FIRE-EXTINGUISHING SYSTEM FOR THE KITCHEN HOODS IS ACTIVATED.</p> <p>G7. UNIT SHALL BE RATED FOR HIGH WINDS. REFER TO SPECIFICATIONS.</p>																														
<p>NOTES</p> <div><div><p>1. PROVIDE UNIT WITH DOUBLE WALL CONSTRUCTION.</p><p>2. PROVIDE UNIT WITH HINGED ACCESS DOORS.</p><p>3. PROVIDE UNIT WITH ELECTROFIN COIL COATING FOR ALL COILS.</p><p>4. PROVIDE UNIT WITH SPECIAL DESIGN REQUEST FOR ALUMINUM MESH FILTERS IN INTAKE HOOD.</p><p>5. PROVIDE UNIT WITH 14 INCH ROOF CURB.</p><p>6. PROVIDE UNIT WITH LOW LEAKAGE DAMPER.</p></div><div><p>7. PROVIDE UNIT WITH 2 INCH PLEATED, MERV 8, DISPOSABLE FILTERS.</p><p>8. PROVIDE UNIT WITH DIRTY FILTER SENSOR.</p><p>9. PROVIDE UNIT WITH BACNET INTERFACE FOR BUILDING AUTOMATION SYSTEM.</p><p>10. PROVIDE UNIT WITH DIGITAL SCROLL COMPRESSOR.</p><p>11. SMOKE DETECTORS TO BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR. INSTALL DETECTOR IN DUCTWORK AND PROVIDE CONTROL WIRING AS NECESSARY TO SHUTDOWN UNIT.</p></div></div>																														

POWER VENTILATOR SCHEDULE																					
TAG	BASIS OF DESIGN			LOCATION	SERVES	AIRFLOW CFM	ESP INCHES WC	MOTOR DATA				ELECTRICAL DATA			CURB HEIGHT INCHES	SOUND DATA			APPROX. WEIGHT LBS	NOTES	
	MANUFACTURER	MODEL	TYPE					DRIVE	ENCLOSURE	HP	RPM	SPEED CONTROL	VOLTS	PHASE		HERTZ	LWA	dBA			SONES
KEF-1	GREENHECK	CUBE-300XP	CENTRIFUGAL UPLAST	ROOF	KH-1	4,800	2.25	BELT	ODP	5	1725	VFD	480	3	60	18	85	74	2.2	300	1, 2, 3, 4, 5, 6, 9
KEF-2	GREENHECK	CUE-095-VG	CENTRIFUGAL UPLAST	ROOF	KH-2	350	0.75	DIRECT	ODP	1/8	1725	ECM	120	1	60	18	70	58	9.1	100	1, 2, 3, 4, 5, 6, 7, 8, 14
TF-1	GREENHECK	SP-A1050	CEILING VENTILATOR	AV CLOSET	AV CLOSET	850	0.25	DIRECT	ODP	420 WATTS	998	SOLID STATE	120	1	60	-	61	47	4.5	100	7, 10, 11, 12, 13
GENERAL NOTES: G1. PROVIDE PRODUCT INDICATED OR A COMPARABLE PRODUCT BY ONE OF THE MANUFACTURERS LISTED IN SPECIFICATION SECTION 234423. G2. ALL FANS SHALL HAVE AMCA-CERTIFIED PERFORMANCE RATINGS AND SHALL BEAR THE AMCA-CERTIFIED RATINGS SEAL. G3. POWER VENTILATORS SHALL COMPLY WITH UL 705. POWER VENTILATORS FOR USE FOR KITCHEN EXHAUST SHALL ALSO COMPLY WITH UL 762. G4. FAN WEIGHTS ARE APPROXIMATE AND INCLUDE ACCESSORIES. G5. ALL SINGLE-PHASE FAN MOTORS SHALL INCLUDE THERMAL OVERLOAD PROTECTION. G6. ALL THREE-PHASE FAN MOTORS SHALL BE PREMIUM EFFICIENCY AND INVERTER-DUTY RATED.																					
NOTES: 1. PROVIDE UNIT WITH FACTORY MOUNTED AND WIRED, NEMA-3R DISCONNECT. 2. PROVIDE UNIT WITH HINGED BASE AND HIGH TEMPERATURE CURB SEAL. 3. PROVIDE UNIT WITH HIGH WIND RATED CONSTRUCTION. 4. PROVIDE UNIT WITH H40 POLYESTER COATING, CONCRETE GREY COLOR. 5. PROVIDE UNIT WITH HEAT BAFFLE, NON-STICK WHEEL, CLEANOUT PORT, AND GREASE TRAP. 6. PROVIDE UNIT WITH HOOD HASPS AND TIE-DOWN POINTS. 7. PROVIDE UNIT WITH SPEED CONTROL DIAL ON MOTOR. 8. PROVIDE UNIT WITH ALUMINUM BROS/GREEN. 9. PROVIDE UNIT WITH STAINLESS STEEL MOTOR SHAFT, GROUNDING RINGS, AND THERMAL OVERLOAD. 10. PROVIDE ALUMINUM GRILLE WITH WHITE ENAMEL FINISH. 11. PROVIDE UNIT WITH VIBRATION ISOLATION KIT. 12. PROVIDE UNIT WITH REVERSE ACTING THERMOSTAT TO ENERGIZE FAN IF SPACE TEMPERATURE EXCEEDS 80 DEG-F. 13. PROVIDE UNIT WITH PLUG TYPE DISCONNECT. 14. PROVIDE GREENHECK W0-100 GRAVITY BACKDRAFT DAMPER OR EQUAL GRAVITY BACKDRAFT DAMPER.																					

TAG	BASIS OF DESIGN		USAGE	DESCRIPTION	MATERIAL / FINISH	MAX. NOISE CRITERIA NC	NOTES
	MANUFACTURER	MODEL					
CD-1	TITUS	OMNI	CEILING SUPPLY DIFFUSER	24"x24" PLAQUE FACE DIFFUSER WITH ROUND NECK	ST	30	1.2
CD-2	TITUS	TRITEC	CEILING SUPPLY DIFFUSER	24"x24" PERFORATED, HIGH CAPACITY, LOW-VELOCITY DIFFUSER WITH ROUND NECK, TWO-WAY THROW & RADIAL PATTERN	SEE NOTE 5	30	1.2, 4
LD-1	TITUS	TBDI-30	CEILING SUPPLY SLOT	48" LONG 3-SLOT 3/4" WIDE ADJUSTABLE LINEAR DIFFUSER	ST	25	1.2, 6
LD-2	TITUS	FL-20-1-66-JT	CEILING SUPPLY SLOT	48" LONG 1-SLOT 2" WIDE ADJUSTABLE LINEAR DIFFUSER	ST	25	1.2, 6
RG/TG-1	TITUS	350	RETURN / TRANSFER GRILLE	24"x24" SINGLE DEFL. GRILLE, FIXED BLADES, 3/4" SPACING AT 35 DEG.	ST	25	1.7
RG/TG-2	TITUS	350	RETURN / TRANSFER GRILLE	SINGLE DEFL. GRILLE, FIXED BLADES, 3/4" SPACING AT 35 DEG.	ST	25	1.2, 3

GENERAL NOTES

G1. PROVIDE THE PRODUCT INDICATED OR A COMPARABLE PRODUCT BY ONE OF THE MANUFACTURERS LISTED IN SPECIFICATION SECTION 233713.

G2. PROVIDE APPROPRIATE FRAME/BORDER/FLANGE FOR PROPER MOUNTING. REFER TO THE ARCHITECTURAL DRAWINGS FOR SURFACES IN WHICH GRILLES REGISTERS AND DIFFUSERS ARE LOCATED.

G3. MATERIAL/FINISH KEY

AL - ALUMINUM WITH STANDARD FACTORY WHITE ENAMEL FINISH.

ST - STEEL WITH STANDARD FACTORY WHITE ENAMEL FINISH.

NOTES:

- SEE PLANS FOR ADDITIONAL GRILLE, REGISTER AND DIFFUSER SIZE INFORMATION.
- SEE PLAN FOR NECK SIZE.
- FRONT BLADE PARALLEL TO LONG DIMENSION
- PERFORATED DIFFUSER: 51% FREE AREA, 3/16" DIAMETER HOLES, 1/4" STAGGERED CENTERS
- STEEL BACKPAN COATED, STEEL FACE WITH STANDARD WHITE ENAMEL OR POWER COATED FINISH.
- PROVIDE WITH INSULATED PLENUM BOX
- INSTALLATION NOTE: WHEN CONNECTING DUCT DIRECTLY TO GRILLE, PLENUM BOX SHALL BE SAME SIZE AS GRILLE. SEE PLAN FOR DUCT CONNECTION SIZE.

KITCHEN RENOVATION FOR
US FOODS - SOUTH FLORIDA
7598 NW 6TH AVENUE
BOCA RATON, FL 33487

REVISIONS					
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