PACKAGED TERMINAL HEAT PUMP UNIT SCHEDULE																							
UNIT NO.	LOCATION	AREA SERVED	SUPPLY — FAN DATA					COOLING CAPACITY				HEATING CAPACITY		POWER/ RATINGS					WEIGHT	UNIT	GE		
			LOW CFM	HI CFM	VENT FULL OPEN	VENT PART OPEN	SET O.A. CFM TO	REFRIG TYPE	TOTAL B.T.U.H	EER BTU/WATT	DEHUMID PINTS/HR	TOTAL B.T.U.H	СОР	POWER FACTOR	s heat ratio	COOLING WATTS	COOLING AMPS	HEATING WATTS	HEATING AMPS		POWER	MODELS NUMBER	NOTES
PTU-1	SEE PLANS	SEE PLANS	212	360	70	45	0	410A	9,200	12.7	2.7	8,100	3.8	92%	75%	725	3.8	630	3.3	105	208V/1PH	AZ61H09D	1-9
PTU-2	SEE PLANS	SEE PLANS	284	370	75	45	0	410A	11,600	12.1	3.5	10,400	3.7	92%	70%	960	5.0	835	4.5	105	208V/1PH	AZ61H12D	1-9

- NOTES:
 1. PROVIDE WITH LINE CORD CONNECTION KIT PROVIDE WALL SLEEVE
- 3. PROVIDE OUTSIDE GRILLE TYPE PER DIRECTION OF ARCHITECT
 4. PROVIDE OUTSIDE GRILLE COLOR PER DIRECTION OF ARCHITECT
- 5. PROVIDE WITH REMOTE THERMOSTAT 6. PROVIDE OTHER ACCESSORIES AS NEEDED FOR A COMPLETE INSTALLATION WITH PROPER UNIT FUNCTIONS

LOUVER SCHEDULE	SWIMMING POOL UNIT - SPLIT SYSTEM	
<u>L-1</u> - RELIEF LOUVER RUSKIN MODEL ELF375DX - 24" WIDE x 18" TALL	DRY-0-TRON Load Summary and DRY-0-TRON® Selection	DRY-0-TRON* Dehumidifier Unit Schedule
ELF375DX IS A STATIONARY LOUVER, EXTRUDED ALUMINUM CONTUCTION. PROVIDE LOUVER TO MATCH WALL CONSTRUCTION TYPE.	NORMAL MODE SUMMARY Page 1 of 1 September 11, 2013	Dectron Dehumidifier Unit Schedule Job Information
650 CFM, 1.33 SF (50%) FREE AREA, 490 FPM RELIEF VELOCITY, 0.03" PRESSURE DROP.	Project Information Project Name Hampton Inn & Suites - Monroe, LA Location Monroe, LA Summer Winter	Job Name Hampton Inn & Suites - Monroe, LA (Monroe, LA) Description Room Volume 13,500 ⋒³ Model Number DS-042 (Conventional) Cabinet Size 042 LBX Nomenclature DSH042ZAZX13337Q3452ZLZDZZZ188
PROVIDE L-3 LOUVER WITH: 1 2 3 4	Altitude 79 ft Active Hours Outdoor Dry Bulb Plant 96.0 °F Plant 22.0 °F Plant Dry Bulb Plant Index Room Temperature Dry Bulb Plant Index Plant Occupied Plant Unoccupied Plant Room Temperature 82 °F 82.77 °F Relative Humidity Range 50 % 50 %	Supply Fan(s) Motor Nom. Act. VFD Blower Model CFM Type Pole Type HP BHP FLA VFD Amp.
<u>L-2</u> - EXHAUST LOUVER RUSKIN MODEL ELF375DX - 18" WIDE x 12" TALL	Refrigerant R407C	ATLI 12 - 9 T 2 3,300 FC DWDI ODP 3.00 2.06 7.80 No 0.00 89.50 % Eff Unit Supply
ELF375DX IS A STATIONARY LOUVER, EXTRUDED ALUMINUM CONTUCTION. PROVIDE LOUVER TO MATCH WALL CONSTRUCTION TYPE.	Load Sources Load Active Load Inactive Surface Activity Factor Water Temp Primary Water Heater Hotel 29.4 18.4 600 0.80 84 Dry-O-Tron Outdoor Air 9.2 449 CFM Spectators 0.0 0@0.1550 Total Dehumidification Load Lb/h 38.6 18.4 Summer Design Day Runtime 77 %	Air Changes Per Unit Total CFM SA RA Total 14.70 14.70 3,300 0.80 0.20 1.00 ASHRAE Recommends 4 to 8 air changes.
250 CFM (MAX), 0.41 SF (41% FREE AREA LOUVER), 610 FPM EXHAUST VELOCITY, 0.05" PRESSURE DROP.	DRY-O-TRON® SELECTION: 1 x DS-042 LBX Indoor Horizontal Conventional Pool Dehumidification & A/C Unit(s) Unit(s) complete with:	Exhaust Fan #1 (Minimum Exhaust) Mounting E.S.P Total CFM Location EA RA Total OA CFM
PROVIDE LOUVER <u>L-2</u> WITH: 1 2 3	 3300 CFM @ 1.00" TOTAL ESP 1 x Forward Curve DWDI supply fan(s) (1 x 3 HP ODP motor) 2 scroll compressor(s) / 2 circuit(s) / 2 stage(s) 107.9 MBH Nominal Capacity Refrigerant R-407c 	* = Remote Fan By Others. OA must be preheated to 35°F during normal mode.
<u>L-3</u> - EXHAUST LOUVER RUSKIN MODEL ELF375DX - 12" WIDE x 12" TALL	 • 39.4 lbs/Hr Moisture Removal Capacity @ 82 °F @ 50% RH • 68.3 MBH Gross Sensible Cooling Cap. @ 82 °F @ 50% RH • Refrigerant Hot-Gas 'main' pool water heat exchanger • Full Sized Refrigerant Hot-Gas air reheat coil 	Return Air Filtration Package Description Dimensions Quantity 2" MERV-8 Extended Surface, Pleated Filter with Antimicrobial 20" x 20" x 2" 4
ELF375DX IS A STATIONARY LOUVER, EXTRUDED ALUMINUM CONTUCTION. PROVIDE LOUVER TO MATCH WALL CONSTRUCTION TYPE.	 Electric Heater (Unit Mounted) (38 kW) - 2 Stage Single Point Power Remote (Split) Outdoor Air Cooled Air Conditionning (1 x KVG082) Outdoor Air Cooled Condenser Distance: 75 / 75 feet 449 CFM outdoor air opening (with Damper, filters, actuator and 7-day timeclock) 	Outdoor Air Filters Description Dimensions Quantity Standard 2" MERV-2 permanent washable and reusable N/A N/A
50 CFM, 0.26 SF (26% FREE AREA LOUVER), 192 FPM EXHAUST VELOCITY, 0.06" PRESSURE DROP.	• ½" Insulation • Drain Pan Coating: Standard(Resin) • Blower Coating: Standard (Epoxy)	Compressor(s)
PROVIDE LOUVER <u>L-3</u> WITH: 1 2 3	 Enclosure Coating: Powder Coil Coating: Standard: Fins = HyPoxy + End sheets = galvanized Supervisaire Microprocessor 2 Year Standard Coil Warranty 	Refrigerant R-407C # of Compressor 2 Stages 2 # of Independent Refrigerant Circuits 2 Compressor Number LRA RLA kW Capacity (btu/h) Compressor Type Compressor #1 91 14.7 3.3 54,000 scroll
ACCESSORIES:	5 Year Extended Compressor Warranty 2 Year Standard Major Component Warranty Unit Mounted Sensors:	Compressor #2 91 14.7 3.3 54,000 scroll
1) INSECT SCREEN 2) KYNAR FINISH 3) COLOR AS DIRECTED BY ARCHITECT 4 BACKDRAFT DAMPER	-Return Air Temperature (Standard) -Return Air Humidity (Standard) -Pool Water Temperature (Standard) • Unit Mounted (Operator Panel #1) • Filtration Package: - 2" MERV-8 Extended Surface, Pleated Filter with Antimicrobial	
	DRY-O-Tron will heat a maximum of two (2) pools, selected for the highest load DRY-O-TRON Dehumidifier Unit Schedule 9/11/2013	* Please validate all information with DECTRON engineering 1 210000889-0-210- DRY-0-TRON* Dehumidifier Unit Schedule 9/11/201
	Job Name Hampton Inn & Suites - Monroe, LA (Monroe, LA) Description Room Volume 13,500 ft ³ Model Number DS-042 (Conventional) Cabinet Size 042 LBX Nomenclature DSH042ZAZX13337Q3452ZLZDZZZ188	Job Name Hampton Inn & Suites - Monroe, LA (Monroe, LA) Description Room Volume 13,500 ft ³ Model Number DS-042 (Conventional) Cabinet Size 042 LBX Nomenclature DSH042ZAZX13337Q3452ZLZDZZZ188
	Refrigerant Coil Data Space Temperature (°F) 82.0 Full Reheat Coil Capacity (btu/h) 127,158 Minimum RH Maximum RH Selected RH Relative Humidity (%RH) 50 60 50 Moisture Removal Capacity (lb/h) 39.40 48.91 39.40 Evaporator Coil Sensible Capacity (btu/h) 63,280 59,280 68,280 Net Sensible Capacity Including Outside Air Load (btu/h) 49,645 40,645 49,645 Net Sensible Capacity Not Including Outside Air Load (btu/h) 56,434 47,434 56,434	Air Cooled Condenser #1 (Stages #1 & #2) Model KVG082 Location Remote (Split) Tag Vertical Air Flow Voltage 230/3/60 Condensing Temp 120 °F Power per Motor 1.4/0.95 kW TD 20 °F FLA per Motor 6.20 Condenser Capacity 210,800 Btu/hr RPM per Motor 550/780 RPM rpm Fan Arrangement 2 x 1 Total MCA 14.00
	Pool Water Heater Condenser / Unit Mounted Capacity (btu/h) Heater Type Per Unit GPM Type Size PSIG FT #1 CuNi Vented Coax. 89,033 12.00 CPVC Schedule 80 Connections 1 1/2 6.00 13.86 Pool Water Auxiliary Heater	Total Condenser Weight 1,130.00 lbs Total Fuse/MOP 15 Refrigerant Type R-407C Control Panel P52 - Contactor(s) without control, twin speed Ziehl-abegg Control Panel Voltage 24/1/60 Control Panel Options N - None
	Capacity (btu/h) Auxiliary Type Per Unit Location	DnyO-Tron refrigerant circuits canacity charge and line sizes summary:

Space Heating Coil Electric Heater

Capacity (btu/h)

Power Supply

MCA (Amps)

Voltage

MOP (Amps) Nominal unit kW

Control / Stages

Temperature Rise per Stage

Dehumidification Mode (°F) Pool Water Heating Mode (°F)

EER (Energy Efficiency Ratio)

* Please validate all information with DECTRON engineering

Leaving Air Temperatures (Not Including Outside Air)

129,700 38.0

Single Point 2 Stages 18.2

100.7 82.0

Remote By Others

Air Conditioning Mode (°F) Recirculation Mode (°F)

Entering Air Temp. (°F)

Leaving Air Temp. (°F)

Normal Mode Purge®

73.8 110.2



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9/11/2013

Circuits Number Capacity (btu/hr) Factory Field System Distance Liquid Riser Gas Riser Liquid Hot Gas
Circuit #1 THR 63,579 20.39 44.69 65.08 75 0 0 5/8" 7/8"

Circuit #2 THR 63,579 20.39 44.69 65.08 75 0 0 5/8" 7/8"

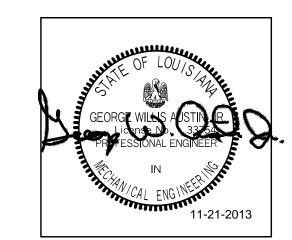
Line Sizes must be same size as UNIT Connections and will be size adjusted at the point of connection to the Outdoor Air

Cooled Condenser
+/- 10% Refer to unit nameplate for confirmation.

* Please validate all information with DECTRON engineering

REVISIONS No. Date Description

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KEY PLAN

Southern Hospitality Services

Hampton Inn and Suites

5400 I-20 & Frontage Rd. Monroe, LA 71201

Mechanical HVAC Schedules

FOR CONSTRUCTION

Project No. 12-111 Prepared by CDC M102 Date September 16, 2013