











<u>PERFORMANCE</u>

TOTAL HEAT PUMP CAPACITY [MBH]	154
TOTAL PRIMARY STORAGE VOLUME (GAL.)	795
MAX. DAILY HW OUTPUT (GAL. / DAY)*	3,200
MAX. DAILY RUNTIME (hr. / DAY)	16
NOMINAL HOURLY HOT WATER OUTPUT (GAL. / hr.)	200
RECIRCULATION PUMP OUTPUT (HP)	1/2
RECIRC. PUMP MAX. HEAD (FT H2O)	55
NOMINAL OPERATING SOUND PRESSURE LEVEL (dBA)	40
MAX. SYSTEM WATER PRESSURE (PSI)	94

^{*100°}F LIFT AND 16 hr./DAY MAX. COMPRESSOR RUNTIME

ELECTRICAL

В

	PRIMARY SKID PANEL	SECONDARY SKID PANEL
SUPPLY	208V/3Ph/60Hz	208V/3Ph/60Hz
TOTAL CONNECTED LOAD [kVA]	30.4	10.9
FULL LOAD AMPS [A]	84.2	30.2
MINIMUM CIRCUIT AMPACITY [A]	108.4	47.5
MAXIMUM OVERCURRENT PROTECTION [A]	110	50

WEIGHT (APPROX.)

PRIMARY / SECONDARY DRY (LBS.)	5,500 / 5,400
PRIMARY / SECONDARY WETTED (LBS.)	9,350 / 9,800

COMPONENTS

	REFRIGERANT TYPE: R-744 (CO2)	
(10) HEAT PUMP WATER HEATERS	TOTAL CHARGE: 254 OZ.	
	AIRFLOW (CFM): 6,000	
	EXTERNAL STATIC PRESSURE (INH2O): 0	
(3) 265 GAL. STORAGE TANKS		
(1) SWING TANK, 200 GAL. / 18 kW		
(2) EXPANSION TANKS, 45 GAL. / 30	GAL. ACCEPTANCE	
(1) ELECTRONIC MIXING VALVE	1 IN. BODY: 3-94 GPM RECOMMENDED FLOW RANGE	
(1) RECIRCULATION PUMP, ECM		
(1) HEAT PUMP STAGING CONTROLLER		
(1) INCOMING COLD WATER WYE-STRAINER, 20-MESH		

CONSTRUCTION

ENCLOSURE PANELS	R8 INSULATION	
	POWDER COAT FINISH	
PIPING	TYPE K COPPER	
	DIELECTRIC CONNECTIONS WHERE	
	REQUIRED	
	1-1/2" INSULATION, MIN. R-VALUE: 8.6	
UL508A - LISTED ELECTRICAL PANELS	POWER DISTRIBUTION	
	EQUIPMENT / STAGING CONTROLLER	
PAINTED CARBON STEEL FRAME		
ELECTRICAL DISTRIBUTION PANEL WITH MAIN DISCONNECT		
INDIVIDUAL COMPONENT DISCONNECTS ON HEAT PUMPS AND SWING TANK		
HEAT PUMPS MOUNTED WITH VIBRATION ISOLATORS		
INSULATED BASE NOT PROVIDED BELOW STORAGE AND SWING TANKS		
REVERSE-RETURN HEAT PUMP MANIFOLD PIPING CONFIGURATION		
INDIVIDUAL HEAT PUMP ISOLATION, DRAIN AND CHECK VALVE		

NOTES: ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED	SMALL PLANET SUPPLY TUMWATER, WA TITLE: WD2S-150-0800-200-18 SUBMITTAL
	SIZE DWG. NO. REV
	B 003-00005 A
	SCALE: 1:30 SHEET 7 OF 9

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