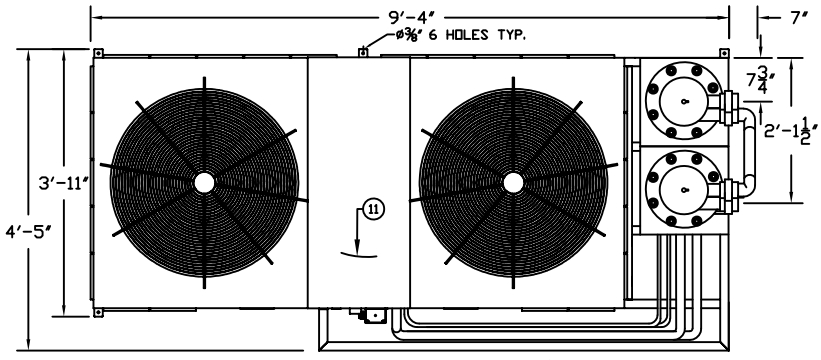


PLAN VIEW

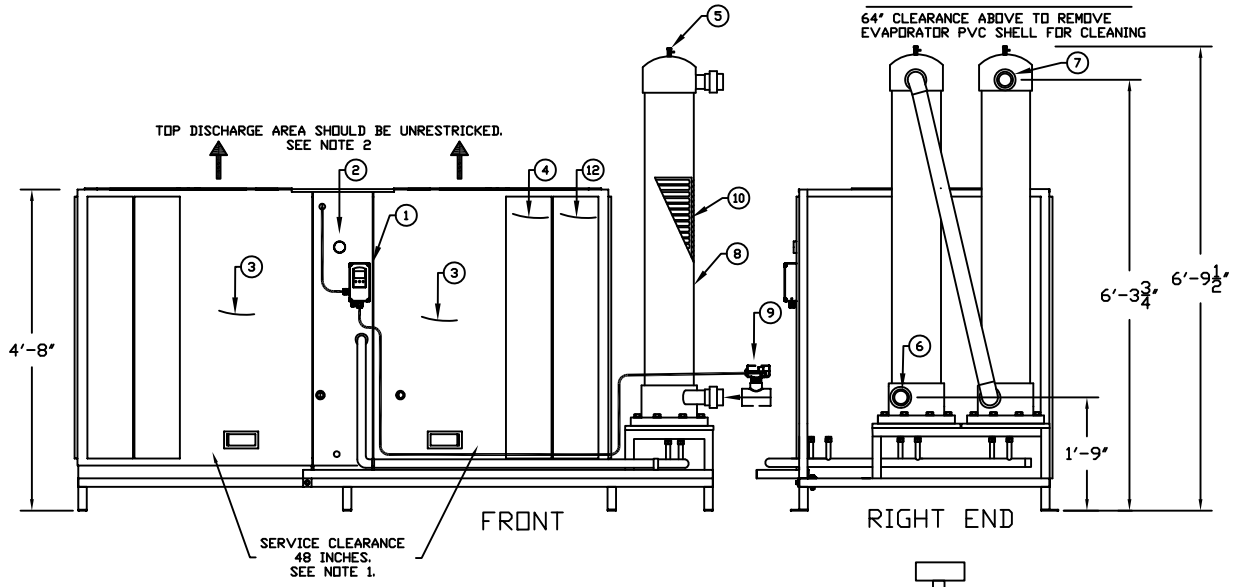
304 STAINLESS STEEL STAND

NOTES:

1. MINIMUM CLEARANCE FOR PROPER OPERATION IS 36 INCHES FROM THE WALLS, SHRUBBERY, FENCES, ETC. MINIMUM CLEARANCE BETWEEN ADJACENT UNITS IS 72 INCHES. RECOMMENDED SERVICE CLEARANCE 48 INCHES
2. TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR 100 INCHES MINIMUM. UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER OR FALLING SNOW FROM ROOF DOES NOT POUR/FALL DIRECTLY ON UNIT.
3. ALL DIMENSIONS ARE APPROXIMATE AND CAN CHANGE AT ANY TIME DEPENDING ON WHAT CONDENSING IS SUPPLIED TRANE OR RHEEM BRAND NAME.

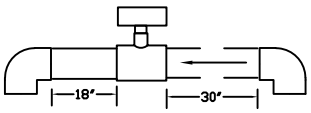
OPTIONAL ACCESSORIES:

- ☐ 316 STAINLESS STEEL STAND AND HARDWARE.
- ☐ LOW AMBIENT HEAD PRESSURE KIT FOR OPERATION 55°F AND BELOW DOWN TO 0°F
- ☐ COASTAL MARINE CONDENSER COATING.
- ☐ EXTENDED 5 YEAR PARTS AND LABOR WARRANTY. (CONDENSING UNIT ONLY)



SPECIFICATIONS		
	230V	460V
HEAT PUMP MODEL NO.	HP-20-230-DE	HP-20-460-DE
WATER FLOW RATE RANGE (GPM @ <15 △PD)	50 - 100	50 - 100
NET COOLING CAPACITY (MBH / kW)	258 / 75.5	258 / 75.5
NET HEATING CAPACITY (MBH / kW)	244 / 71.5	244 / 71.5
SYSTEM (COP / kW)	3.2 / 23.9	3.2 / 23.9
STANDARD AMBIENT AIR OPERATING RANGE	60-125°F	60-125°F
WITH LOW AMBIENT AIR OPTION	DOWN TO 0°F	DOWN TO 0°F
COMPRESSOR DATA		
TYPE	SCROLL	SCROLL
NO. OF COMPRESSORS	2	2
TONS EACH	10.0	10.0
UNIT CAPACITY STEPS (%)	100	100
REFRIGERATION DATA		
NO. OF CIRCUITS	1	1
REFRIGERANT TYPE	R-454B	R-454B
** APPROX. REFRIGERANT CHARGE (LBS)	22	22
ELECTRICAL		
VOLTS / PH / HZ	230 / 3 / 60	460 / 3 / 60
ALLOWABLE VOLTAGE RATING	208-254	414-506
RLA TOTAL (COMPRESSORS AND FANS)	98.8	47.4
MAX. TOTAL POWER (kW)	21	21
MINIMUM CIRCUIT AMP (MCA)	112	54
MAX. OVER CURRENT PROTECTION (MOP)	150	70
OPERATING WEIGHT (LBS.)	1600	1600

** SEE PRODUCT LABEL FOR REFRIGERANT CHARGE AMOUNT.



FLOW SWITCH INSTALLATION NOTE:

FLOW SWITCH AND TEE FITTING IS FIELD INSTALLED WITH NO LESS THAN 30 INCHES OF STRAIGHT PIPE ON THE INLET SIDE AND NO LESS THAN 18 INCHES ON THE OUTLET SIDE

1. DIGITAL LED TEMPERATURE CONTROLLER
2. MAIN POWER IN
3. SERVICE ACCESS PANEL
4. HAIL GUARDS
5. PVC SHELL AIR BLEED
6. 3″ NPS UNION EVAPORATOR WATER INLET
7. 3″ NPS UNION EVAPORATOR WATER OUTLET
8. SCHEDULE 40 PVC EVAPORATOR SHELL
9. SAFETY "NO WATER FLOW" CUTOUT SWITCH
10. GR2 TITANIUM EVAPORATOR COIL.
11. MAIN ELECTRICAL ACCESS PANEL
12. MICRO-CHANNEL CONDENSER

AQUA LOGIC, INC. 2806 GRAY FOX RD, MONROE, NC. 28110 Ph: 704.774.1391 www.aqualogicinc.com

TITLE	HP-20-230-DE AND HP-20-460-DE R-454B SPECIFICATION SHEET	PROJECT	AQUA LOGIC	FILE	D:\AutoCad Files\AutoCad Files\HP Heat pumps\HP-20-DE R-454B 230V or 460V 3 ph 7-8-25.dwg	DRAWING NO	00	EDITED	6/18/2026	SCALE	1:1
		CLIENT	AQUA LOGIC			DRAWN BY	CE	CREATED	7/8/2025	PAGE	1 of 1