



**LEGEND**

HTF: HEAT TRANSFER FLUID  
 SL: REFRIGERANT SUCTION LINE  
 LL: REFRIGERANT LIQUID LINE  
 Ø-xx: PIPE DIAMETER  
 ET-xx: EXPANSION TANK (xx CAPACITY OR ID)  
 PUMP\_IC-xx: PUMP WITH INTEGRATED CHECK VALVE  
 PUMP-xx: PUMP WITHOUT INTEGRATED CHECK VALVE  
 T<sub>DHW</sub>: DOMESTIC HOT WATER TEMPERATURE  
 T<sub>HW</sub>: HOT WATER TEMPERATURE  
 T<sub>CW</sub>: CHILLED WATER TEMPERATURE  
 HP: HEAT PUMP  
 BKH: BACK UP HEAT

ITEM	DESCRIPTION
HTF	WATER
SL	15.88mm <span style="border: 1px solid black; padding: 2px;">19 mm</span>
LL	12.7mm <span style="border: 1px solid black; padding: 2px;">12.7mm</span>
T <sub>DHW</sub>	131°F
T <sub>HW</sub>	105°F
T <sub>CW</sub>	45°F
Ø-01	1" <span style="border: 1px solid black; padding: 2px;">1 1/4"</span> 1 1/2"
Ø-02	1" <span style="border: 1px solid black; padding: 2px;">1 1/4"</span> 1 1/2" <span style="border: 1px solid black; padding: 2px;">2"</span>
Ø-03	1" <span style="border: 1px solid black; padding: 2px;">1 1/4"</span> 1 1/2" <span style="border: 1px solid black; padding: 2px;">2"</span> <span style="border: 1px solid black; padding: 2px;">2 1/2"</span>
Ø-04	1" <span style="border: 1px solid black; padding: 2px;">1 1/4"</span> 1 1/2"
Ø-05	1" <span style="border: 1px solid black; padding: 2px;">1 1/4"</span> 1 1/2"

Ref. #	P/N
Designed by DAPHNE	Checked by ROGER
Approved by - date 2022-09-23	File name HP2ATWSSCT20203
Date 2022-09-23	Scale NTS

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