

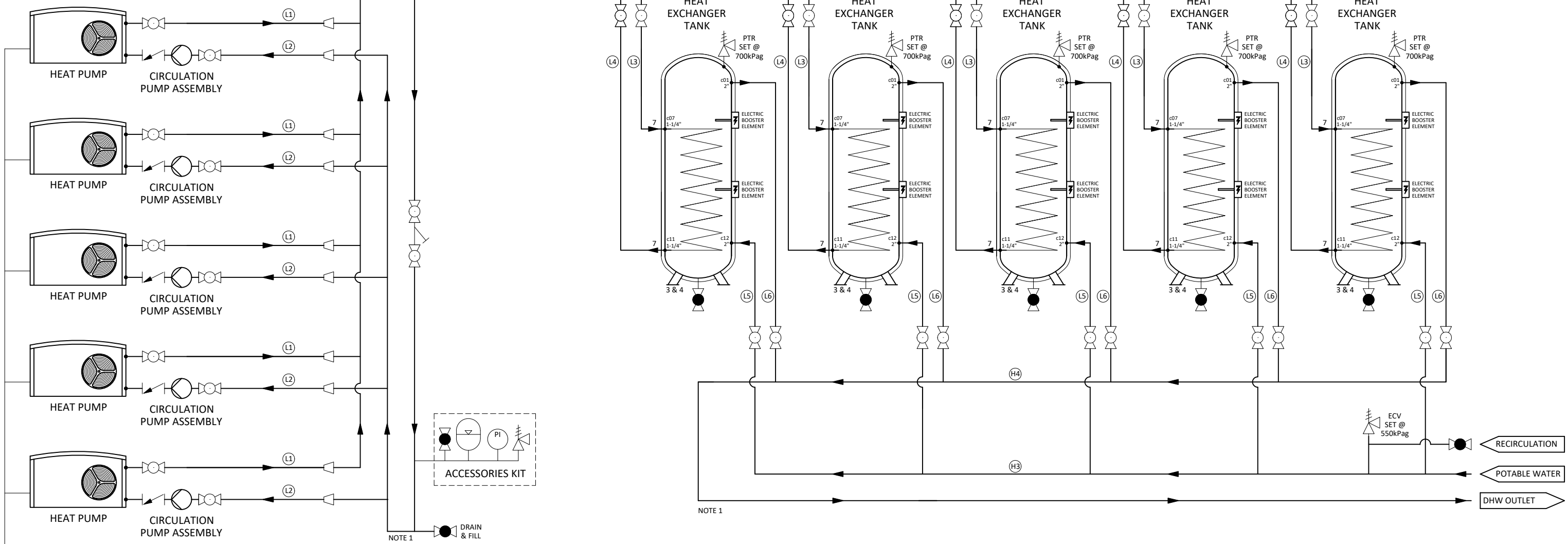
HEAT PUMP	
MAX HEATING PRESSURE:	3 Barg
MAX HEATING TEMPERATURE:	75 °C
MAX HEATING CAPACITY:	8 kW
MODEL:	WPL-A 07 HK 230 PREMIUM

CIRCULATION PUMP	
MAX FLOWRATE:	4.0 m3/h
HEAD:	8.4 m
POWER:	230 VAC / 50Hz
MODEL:	UP 25/7.5 PCV

HEAT EXCHANGER TANK	
MAX OPERATING PRESSURE:	7.5 Barg
MAX OPERATING TEMPERATURE:	90 °C
VOLUME:	829 L NOMINAL
MODEL:	SCE 800 WP

PIPE SIZING SCHEDULE			
LINE	DESCRIPTION	MIN SIZE Ø	OEM SIZE Ø
H1	HEAT PUMP FLOW HEADER	DN50	DN50
H2	HEAT PUMP RETURN HEADER	DN50	DN50
H3	POTABLE WATER HEADER	-	-
H4	DHW HEADER	-	-
L1	HEAT PUMP FLOW LINE	DN25	DN25
L2	HEAT PUMP RETURN LINE	DN25	DN25
L3	HEAT PUMP TO TANK FLOW	DN32	DN32
L4	TANK TO HEAT PUMP RETURN	DN32	DN32
L5	POTABLE WATER TO TANK FLOW	-	-
L6	DHW RETURN	-	-

- NOTES:
- PRIMARY AND SECONDARY HEADERS TO BE INSTALLED IN A TICHELLMANN CONFIGURATION FOR EQUAL FLOW THROUGH THE SYSTEM.
 - FOIL BACKED INSULATION TO AS/NZS 4426 TO BE INSTALLED ON ALL PIPING PER NATIONAL CONSTRUCTION CODE AND AS/NZS 3500.
 - ALL ISOLATION VALVES TO BE FULL PORT BALL VALVES TO MINIMISE PRESSURE DROP.
 - ALL FITTINGS AND VALVES INSTALLED ON THE POTABLE WATER SIDE OF THIS SYSTEM TO BE WATERMARKED AND INSTALLED IN ACCORDANCE WITH AS/NZS 3500 AND COMPLY TO THE LOCAL RULES AND REGULATIONS.
 - CONDENSATE LINES RUN TO SITE TUNDISH.
 - POTABLE WATER AND DHW LINE SIZING BY ON SITE INSTALLER TO SUIT FLOW DEMAND.
 - PIPE LENGTHS SHOULD BE MINIMISED AS FAR AS PRACTICAL TO IMPROVE SYSTEM PERFORMANCE.
 - AUTOMATIC AIR VENTS TO BE INSTALLED AT HIGHEST POINT OF PIPING. DRAINS TO BE INSTALLED AT LOWEST POINT OF PIPING.
 - THIS DRAWING MAY NOT SHOW ALL REQUIRED CONTROL VALVE, ISOLATION VALVES, OR OTHER EQUIPMENT. THESE MUST BE PROVIDED AND INSTALLED AS NECESSARY.
 - DISCLAIMER: THIS SCHEMATIC DRAWING IS FOR REFERENCE ONLY AND MUST BE VERIFIED BY A QUALIFIED PROFESSIONAL. THE CUSTOMER IS SOLELY RESPONSIBLE FOR ENSURING THAT THE SCHEMATIC IS SUITABLE FOR THE INTENDED PURPOSE. STIEBEL ELTRON ACCEPTS NO LIABILITY FOR ANY ERRORS OR OMISSIONS, OR FOR ANY DAMAGE OR LOSS RESULTING FROM RELIANCE ON THE INFORMATION CONTAINED IN THIS DOCUMENT.



LEGEND	
	BALL VALVE (FULL PORT)
	NON-RETURN VALVE
	BALANCING VALVE
	SPIROVENT
	PUMP
	AIR VENT VALVE
	REDUCER
	Y STRAINER
	PRESSURE GAUGE
	EXPANSION TANK

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS THIRD ANGLE PROJECTION FABRICATION TOLERANCE: ± 2.0mm MACHINED TOLERANCE: ± 0.5mm		THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF STIEBEL ELTRON PTY LTD. REPRODUCTION OR DISTRIBUTION RIGHTS ARE RESERVED EXCLUSIVELY TO STIEBEL ELTRON PTY LTD UNLESS OTHERWISE AGREED		STIEBEL ELTRON		PIPING & INSTRUMENTATION DIAGRAM HOT WATER HEAT PUMP INSTALLATION WATER CIRCUIT CMT-55 STIEBEL ELTRON	
0	5/11/2025	ISSUED FOR USE	JM	BR	BR	SIZE: A3	SCALE: N.T.S
REV	DATE	DESCRIPTION	DRN	CHK	APP	DO NOT SCALE DRAWING	TEMPLATE: B0099-DWG-ADM-G-0001
						DWG No: B1140-DWG-PID-P-0001	
						SHEET: 5/6	
						REV: 0	