

Electrical Load Schedule

XX0000-GED-XX-XX-SH-E-0001

Project:	Technium 1
Engineer:	JO
Date:	16-Mar-2026
Issue:	P02
Issue Notes:	Issued for Comment

Description	Equipment Ref #	Mains Power	Connected Load					Max Simultaneous Design Load ³				Phase Balance ⁴			Controls	NOTES
			Units	max P / unit	FLA /unit	Max Inrush ¹ /unit	Load Type ²	Units	Design P / unit	Power Factor	A /unit	L1	L2	L3		
			no	kW	A	A	DOL/VSD	no	kW	cos(φ)	A	A	A	A		
3Ph 400V																
Heat Pump (OAT -3°C, LLT +60°C)	ASHP1.1 - 1.2	400V TP	2	6.0	10		VSD	2	6.0	0.90	9.7	19	19	19		Clivet Edge Pro WISAN-PMP 1S 8.1
1Ph 230V																
LTHW Secondary Pump	P1.1	230V SP	1	0.6	2.75		VSD	1	0.6	0.90	1.0	0.6				Magna3 D 40-150 F
DHW Circulation	P2.1	230V SP	1	0.1	0.2		DOL	1	0.1	0.90	0.2	0.1	0.1			UPS 15-50 N 130
UFH manifold pump	P3.1	230V SP	1	0.8	0.7		DOL	1	0.8	0.90	1.2			0.8		ALPHA2 GO 25-75 130
												20	19	20		

Safety Factor		Total Connected Load	Maximum Design Demand	
10%		16	10%	
16	kVA		15	kVA
26	A		22	A

- Notes:
- 1: Max Inrush is not given where it is below FLA (eg: for inverter driven equipment starting at lowest speed, and electronic equipment)
 - 2: DOL = Direct on Line; VSD = Variable Speed Drive
 - 3: Calculation of maximum demand is based on the maximum simultaneous combination of equipment running.
 - 4: Phase allocation is for information only. Maximum Demand per phase to be confirmed by an electrical engineer during detailed electrical design.