

Supplementary data for:

**THERMAL PERFORMANCE OF
ADDITIVELY MANUFACTURED
HEAT PIPES**

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Appendix A. Functional tests

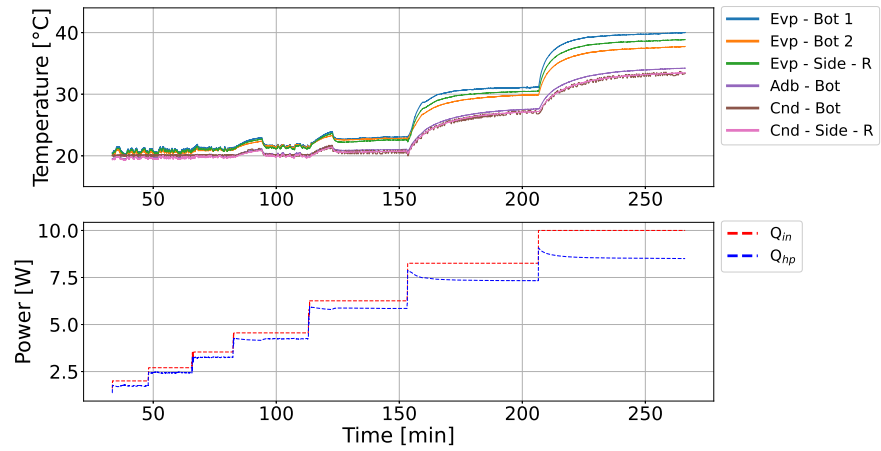


Figure A.1: Functional test in vertical configuration ($V = 1$ ml).

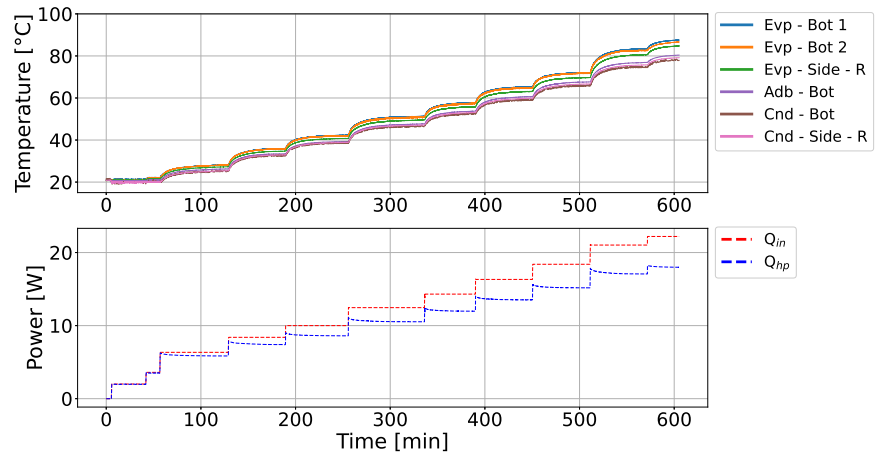


Figure A.2: Functional test in vertical configuration ($V = 1.5$ ml).

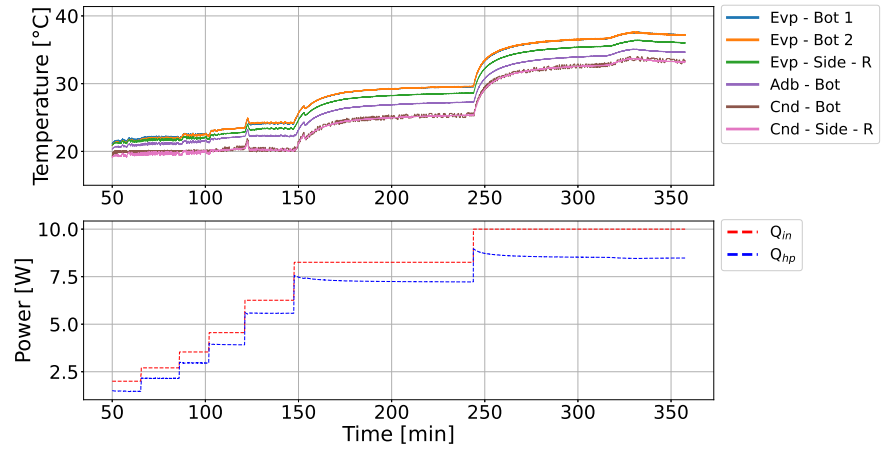


Figure A.3: Functional test in vertical configuration ($V = 2$ ml).

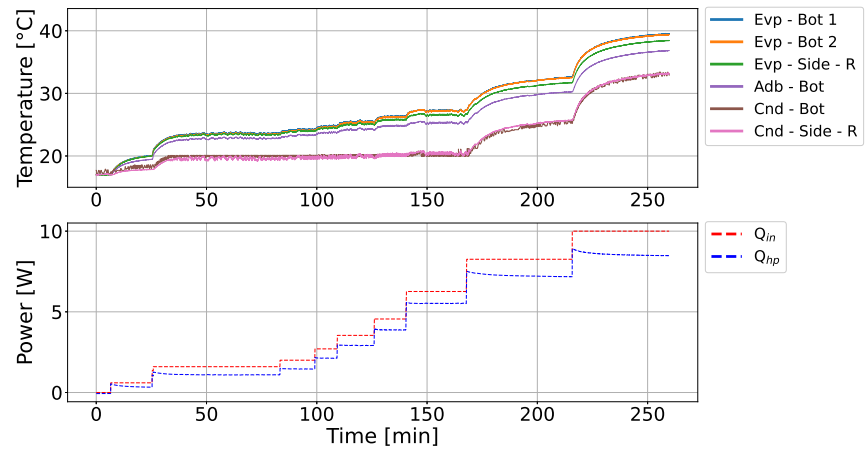


Figure A.4: Functional test in vertical configuration ($V = 3$ ml).

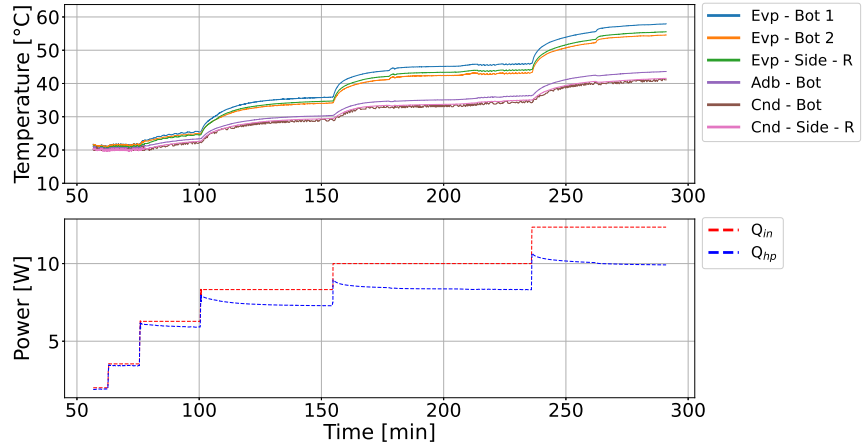


Figure A.5: Functional test in horizontal configuration ($V = 1$ ml).

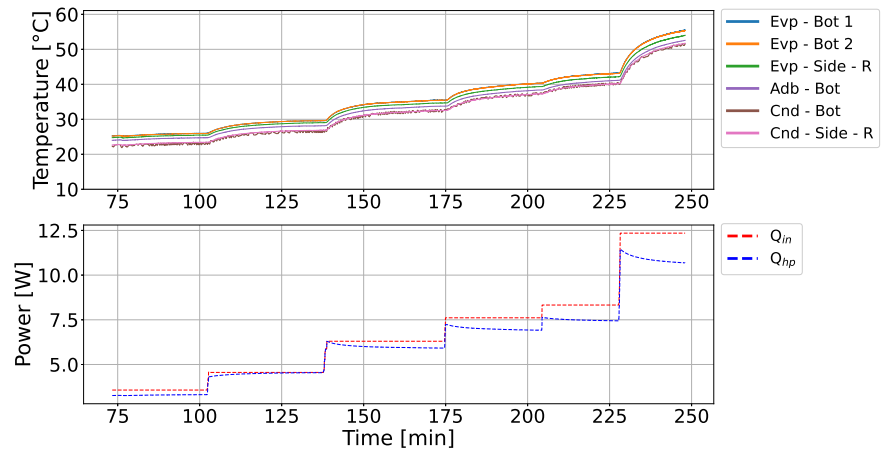


Figure A.6: Functional test in horizontal configuration ($V = 1.5$ ml) at $T_{amb} = 30$ °C.

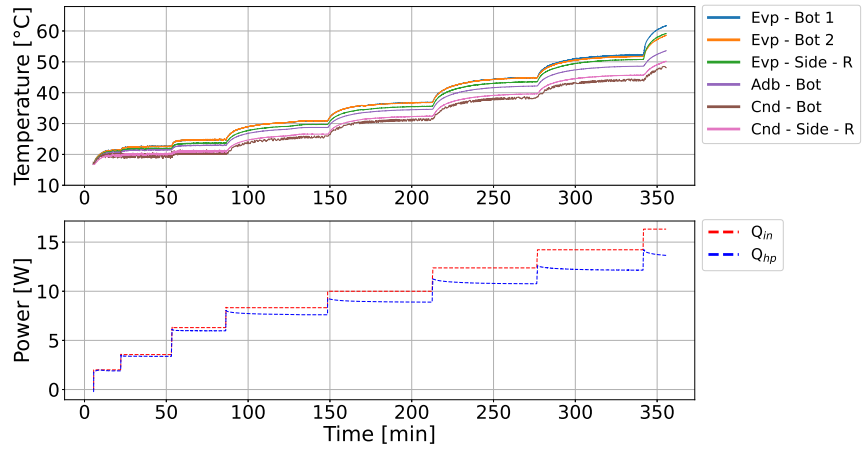


Figure A.7: Functional test in horizontal configuration ($V = 1.5$ ml) at $T_{amb} = 15$ °C.

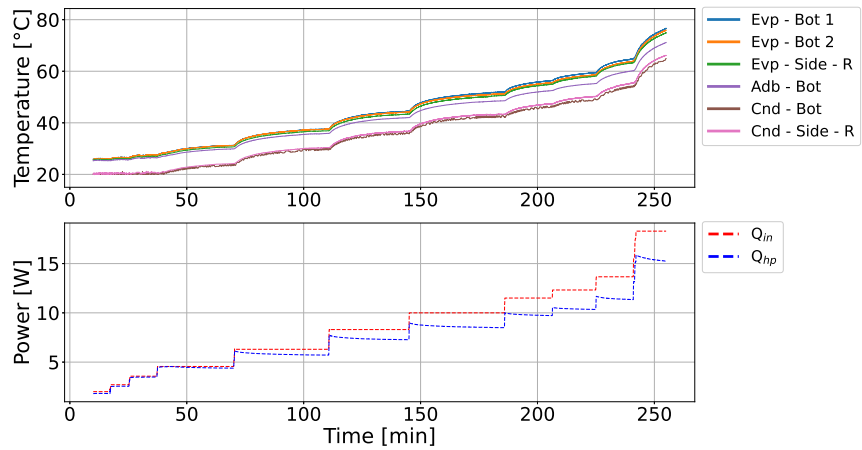


Figure A.8: Functional test in horizontal configuration ($V = 2$ ml) at $T_{amb} = 30$ °C.

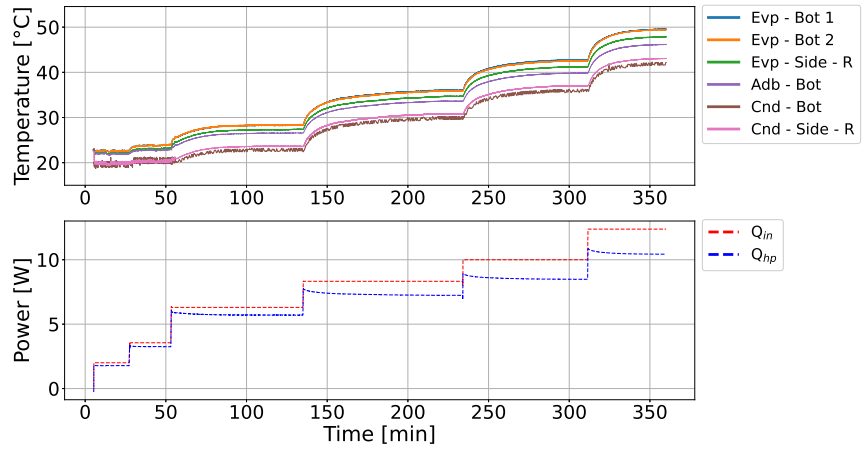


Figure A.9: Functional test in horizontal configuration ($V = 2$ ml) at $T_{amb} = 20$ °C.

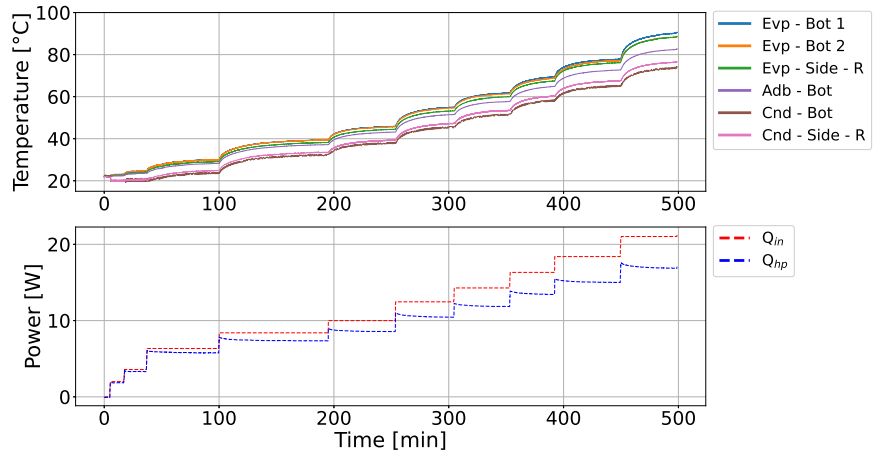


Figure A.10: Functional test in horizontal configuration ($V = 2$ ml) up to 20 W.

Appendix B. Dry tests

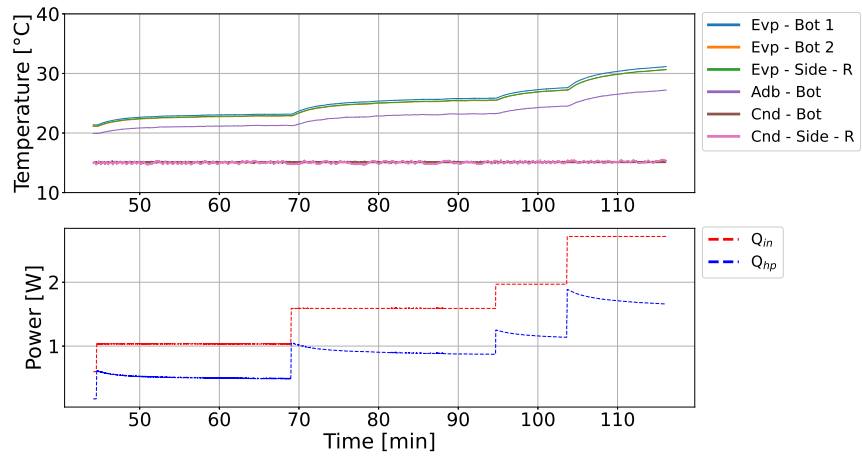


Figure B.11: Dry test in vertical configuration with $T_{p,c} = 15\text{ }^{\circ}\text{C}$ (Cnd-Bot).

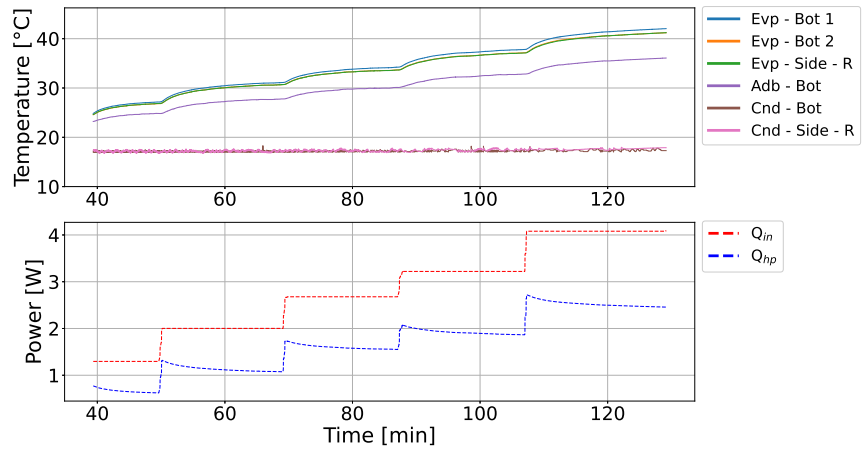


Figure B.12: Dry test in vertical configuration with $T_{p,c} = 17\text{ }^{\circ}\text{C}$ (Cnd-Bot).

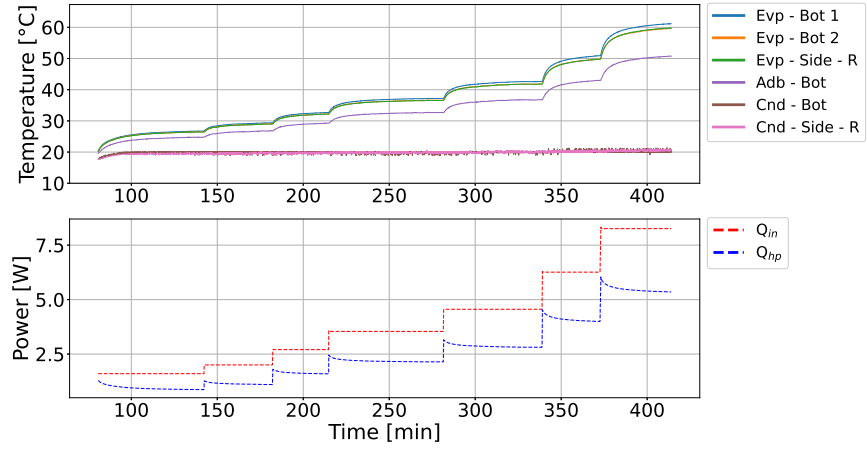


Figure B.13: Dry test in vertical configuration with $T_{p,c} = 20\text{ }^{\circ}\text{C}$ (Cnd-Bot).

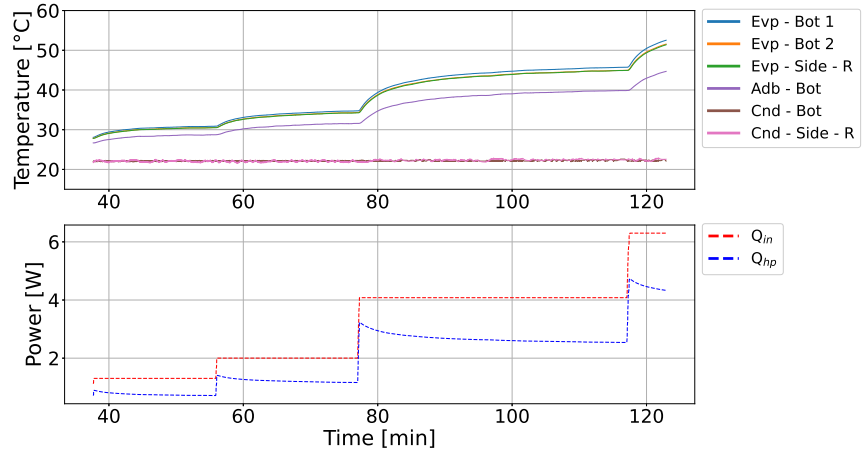


Figure B.14: Dry test in vertical configuration with $T_{p,c} = 22\text{ }^{\circ}\text{C}$ (Cnd-Bot).

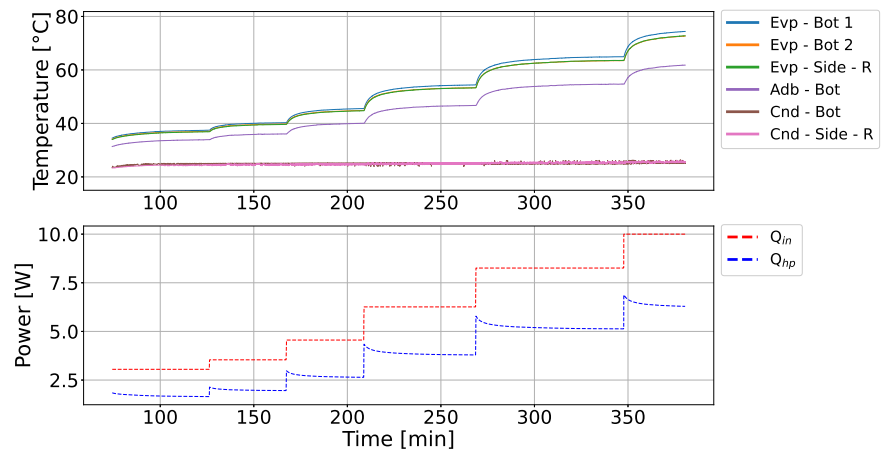


Figure B.15: Dry test in vertical configuration with $T_{p,c} = 25\text{ }^{\circ}\text{C}$ (Cnd-Bot).

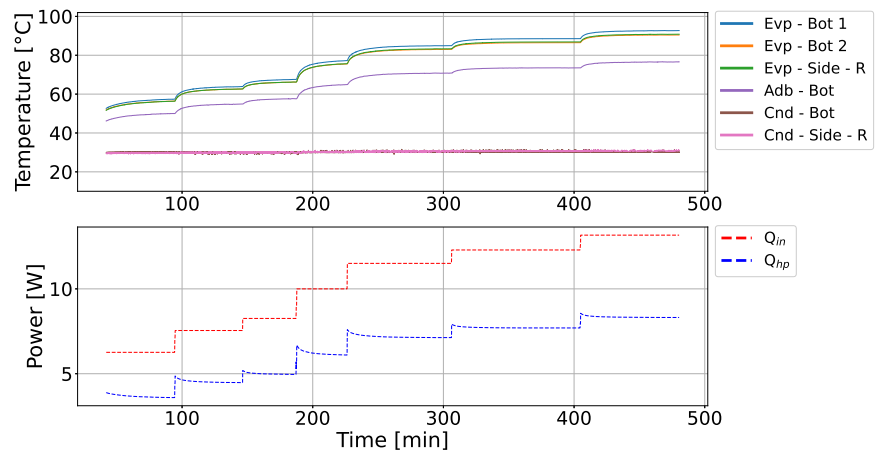


Figure B.16: Dry test in vertical configuration with $T_{p,c} = 30\text{ }^{\circ}\text{C}$ (Cnd-Bot).

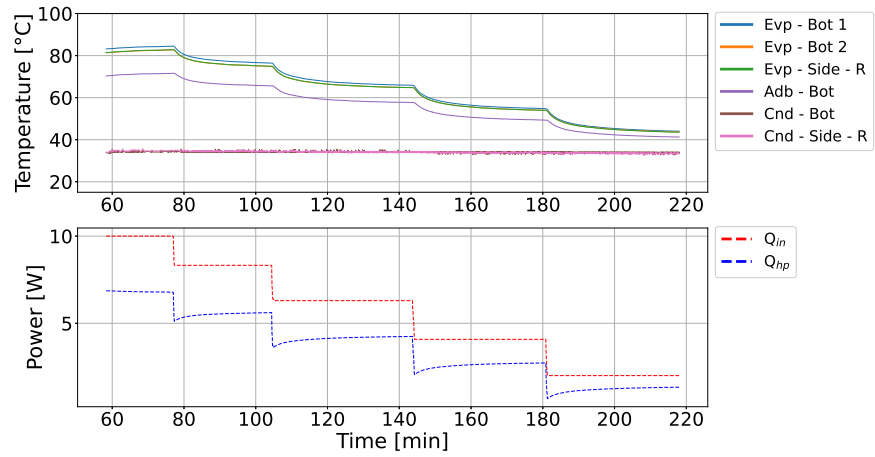


Figure B.17: Dry test in vertical configuration with $T_{p,c} = 34\text{ }^{\circ}\text{C}$ (Cnd-Bot).