

Baths and circulators, water, refrigerated thermostatic systems, Optima series



Low temperature circulators provide a source of precision cooling for most low temperature applications. Suitable for use in both open and closed loop circulation.

- The four Grant Optima thermostats (T100, TC120, TX150 and TXF200) are combined with the five Grant refrigeration units to provide a choice of systems
- R2, R3, R4 and R5 models include a drain tap
- Two ready assembled low temperature refrigeration kits which have the Optima ready mounted on the refrigeration unit are also available

For accessories for the Optima range, please see our website.

Technical Specification - Specific

	12787799	12797799	12707809	12717809	13273129	12727819	12747819
Capacity	5	5	20	12	5	5	20
Temperature range, °C	0 to 100	0 to 100	0 to 100	0 to 100	-20 to 100	-20 to 100	-20 to 100
Heating capacity kW	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Cooling capacity, kW [at 20°C]	0.25 0.14 0.035	0.25 0.14 0.035	0.9 0.5 0.18	1.1 1.05 0.58 0.13	0.25 0.14 0.035	0.25 0.14 0.035	0.9 0.5 0.18
Dimensions, external [w x d x h], mm	230 x 410 x 605	230 x 410 x 605	390 x 490 x 725	415 x 575 x 780	230 x 410 x 605	230 x 410 x 605	230 x 410 x 605
Dimensions, internal [w x d x h], mm	110 x 145 x 140	110 x 145 x 140	230 x 305 x 140	260 x 115 x 180	110 x 145 x 140	110 x 145 x 140	230 x 305 x 140

	12757819	12757829	12767829	12777829	12787829	12797829	12797839
Capacity	12	5	5	5	20	12	5
Temperature range, °C	-20 to 100	-20 to 100	-20 to 100	-30 to 100	-30 to 100	-47 to 100	-20 to 100
Heating capacity kW	1.3	1.9	1.9	1.9	1.9	1.9	1.9
Cooling capacity, kW [at 20°C]	1.1 1.05 0.58 0.13	0.25 0.14 0.035	0.25 0.14 0.035	0.16 0.15 0.05	0.9 0.5 0.18	1.1 1.05 0.58 0.13	0.25 0.14 0.035
Dimensions, external [w x d x h], mm	415 x 575 x 780	230 x 410 x 605	230 x 410 x 605	230 x 410 x 605	390 x 490 x 725	415 x 575 x 780	230 x 410 x 605
Dimensions, internal [w x d x h], mm	260 x 115 x 180	110 x 145 x 140	110 x 145 x 140	110 x 145 x 140	230 x 305 x 140	260 x 115 x 180	110 x 145 x 140

	12707849	12717849	12727849	12737849	12767859	12777859
Capacity	5	5	20	12	5	20
Temperature range, °C	-20 to 100	-30 to 100	-30 to 100	-47 to 100	-20 to 100	-30 to 100
Heating capacity kW	1.9	1.9	1.9	1.9	1.3	1.9
Cooling capacity, kW [at 20°C]	0.25 0.14 0.035	0.16 0.15 0.05	0.25 0.14 0.035	1.1 1.05 0.58 0.13	0.25 0.14 0.035	0.9 0.5 0.18
Dimensions, external [w x d x h], mm	230 x 410 x 605	230 x 410 x 605	390 x 490 x 725	415 x 575 x 780	230 x 410 x 605	390 x 490 x 725
Dimensions, internal [w x d x h], mm	110 x 145 x 140	110 x 145 x 140	230 x 305 x 140	260 x 115 x 180	110 x 145 x 140	230 x 305 x 140

Technical Specification - General

Temperature stability, °C	±0.1
Electrical supply	230V, 50/60Hz

T100 thermostat with refrigerated units
Cooling capacity measured at 20°C, 0°C, -20°C and -40°C

Catalogue No	Legacy No	Model No	Capacity, L
12787799	-	T100-R1	5
12797799	-	T100-R2	5
12707809	-	T100-R4	20
12717809	-	T100-R5	12