ORC Stand-alone Power Plant Technical Data

Model (LT MT HT)	Nominal generation capacity (kW)	Dimensions (m)	Weight (ton)
OPB-ORC-150	100-150	6.0x2.8x3.7	18.3
OPB-ORC-200	150-200	6.0x2.8x3.7	19.9
OPB-ORC-250	200-250	6.0x2.9x3.7	22.1
OPB-ORC-300	250-300	6.0x2.9x3.7	23.8
OPB-ORC-400	300-400	6.0x2.9x3.7	28.3
OPB-ORC-600	400-600	7.3x3.3x4.2	33.5
OPB-ORC-800	600-800	8.5x3.4x4.6	37.1
OPB-ORC-1000	800-1000	8.5x3.6x5.0	45.7
OPB-ORC-1200	1000-1200	11.0x3.9x5.2	53.2
OPB-ORC-1600	1200-1600	11.0x4.1x5.6	66.5

Note: All data are approximate and to be verified in actual design for each individual case.

Example of performance data for the Opcon Powerbox ORC-series

Rating class	150	350	550	750	950	1150	1350	1550
Heat resource(℃)	+75℃	+75℃	+75℃	+75℃	+75℃	+75℃	+75℃	+75℃
Heat resource flow(m^3/h)	150	500	700	800	950	1400	1700	2400
Cooling water flow(m^3/h)	400	900	1100	1600	1800	2500	2800	2800
Generator output(kW)	157	324	565	590	975	1181	1318	1377
Heat resource(℃)	+85℃	+85℃	+85℃	+85℃	+85℃	+85℃	+85℃	+85℃
Heat resource flow(m^3/h)	100	300	450	650	600	750	900	1250
Cooling water flow(m^3/h)	400	600	1100	1400	1200	1500	2100	2500
Generator output(kW)	162	355	570	766	986	1188	1380	1589
Heat resource(℃)	+100℃	+100℃	+100℃	+100℃	+100℃	+100℃	+100℃	+100℃
Heat resource flow(m^3/h)	100	250	400	500	500	570	650	720
Cooling water flow(m^3/h)	200	500	700	1100	1000	1100	1300	1400
Generator output(kW)	164	350	572	773	990	1181	1389	1611
Heat resource(℃)	+135℃	+135℃	+135℃	+135℃	+135℃	+135℃	+135℃	+135℃
Heat resource flow(m^3/h)	50	120	200	350	300	450	540	620
Cooling water flow(m^3/h)	200	250	400	700	800	900	1000	1200
Generator output(kW)	155	365	571	781	979	1187	1406	1627

Remarks:

The table illustrates the possibilities by the Opcon Powerbox's ORC-range of different performance ratings.

Due to the flexibility of the product, the OPB, also other conditions may be established for the different rating classes.