

# Adoratec ORC – Standard Modules for Combined Heat and Power generation (CHP)



		AD 300 TF-plus	AD 400 TF-plus	AD 500 TF-plus	AD 625 TF-plus	AD 750 TF-plus	AD 875 TF-plus	AD 1000 TF-plus	AD 1250 TF-plus	AD 1500 TF-plus	AD 1750 TF-plus	AD 2000 TF-plus	AD 2400 TF-plus
<b>Thermal Oil</b>													
Total thermal capacity	kW <sub>th</sub>	1650	2180	2690	3290	3950	4610	5270	6580	7900	9380	10730	12970
Thermal capacity of main circuit	kW	1505	1985	2450	2995	3595	4200	4800	5990	7190	8540	9765	11805
Flow and return temperature of main circuit	°C	320/245	320/245	320/245	320/245	320/245	320/245	320/245	320/245	320/245	325/250	325/250	325/250
Thermal capacity of sub circuit	kW <sub>th</sub>	145	195	240	295	355	410	470	590	710	840	965	1165
Flow and return temperature of sub circuit	°C	245/155	245/155	245/155	245/155	245/155	245/155	245/155	245/155	245/155	250/160	250/160	250/160
<b>Heating Water</b>													
Thermal capacity	kW <sub>th</sub>	1350	1780	2190	2665	3200	3735	4270	5330	6400	7630	8730	10570
Temperature in / out	°C	60/80	60/80	60/80	60/80	60/80	60/80	60/80	60/80	60/80	60/90	60/90	60/90
Volume flow	m <sup>3</sup> /h	59	78	96	117	141	164	188	234	281	224	256	310
<b>Generator</b>													
Power at terminals	kW <sub>el</sub>	300	400	500	625	750	875	1000	1250	1500	1750	2000	2400
Voltage	V	400	400	400	400	400	400	400	690	690	690	690	690
Auxiliary power	kW <sub>el</sub>	19	24	30	36	43	49	55	69	82	109	124	149

The mentioned data are not obligatory and calculated based on the shown heating water temperatures. Exact data will be calculated individual for every project. Higher heating water temperatures are possible but will cause lower electrical output or require higher thermal oil capacities and cause higher auxiliary power.