

H₂
Ready

Nominal power **116 ÷ 9302 kW**

Design pressure **10 bar**



OPX

Thermal oil heat boiler

ICI

POWERING EVOLUTION



The OPX range includes thermal oil heaters with three flue gas passes, single pass furnace and flue gas outlet to the rear. It is designed with low thermal loads and high oil speed to eliminate any oil cracking risk, offering a high reliability against the risks of overheating even in cases of oil circulation interruptions.

TECHNICAL DATA

OPX	Heat output	Design pressure	100% Productivity (ref. P.C.I.)		Emissions	Max operating temperature
	kW	bar	With ECO %	Without ECO %	NOx (mg/Nm ³)	°C
100	116	10	92	86	< 80	290
200	233	10	92	86	< 80	290
300	349	10	92	86	< 80	290
400	465	10	92	86	< 80	290
500	581	10	92	86	< 80	290
600	698	10	92	86	< 80	290
800	930	10	92	86	< 80	290
1000	1163	10	92	86	< 80	290
1200	1395	10	92	86	< 80	290
1500	1744	10	92	86	< 80	290
2000	2326	10	92	86	< 80	290
2500	2907	10	92	86	< 80	290
3000	3488	10	92	86	< 80	290
4000	4651	10	92	86	< 80	290
5000	5814	10	92	86	< 80	290
6000	6977	10	92	86	< 80	290
8000	9302	10	92	86	< 80	290



Standard accessories

1. Electrical panel
2. Oil supply pumps
3. Connection piping

Optional accessories

4. First stage economiser
5. Burner
6. Connection piping between boiler and economiser

DIMENSION

OPX	H	L	P	Total weight	Total volume
	mm	mm	mm	kg	l
100	1150	1330	1540	600	33
200	1400	1510	1780	870	75
300	1600	1730	1805	1150	118
400	1650	1790	2070	1500	206
500	1645	1765	2315	1650	243
600	1695	1885	2390	1750	195
800	1725	1910	2940	2200	274
1000	1805	1985	3050	2650	444
1200	1915	2180	3500	3750	657
1500	2050	2300	3900	3800	673
2000	2700	2700	4625	8700	1350
2500	2900	2900	5410	9800	1600
3000	28500	3000	5750	10500	1520
4000	3300	3300	6200	13500	2300
5000	3800	3450	6300	15000	2500
6000	3800	3600	7050	19500	2800
8000	3800	3750	7300	26000	3650

*ICI Caldaie S.p.a. reserves the right to make changes to the technical/dimensional information of the products in order to continue to improve their quality.

*ICI Caldaie S.p.a. se réserve le droit d'apporter des modifications aux informations techniques/dimensionnelles des produits afin de continuer à améliorer leur qualité

ADVANTAGES

- **Control and regulation:**
connection and regulation of the entire system via a PLC entirely developed by ICI.
- **Interconnection with the heating plant:**
remotization of all operating data via communication protocols. Creation of a synoptic on a dedicated web page for remote telemanagement.
- **Traditional fuels:**
Methane - LPG - Naphtha - Diesel
- **H₂ Ready:**
Compatibility with hydrogen operation with mixtures up to 100%
- **Certifications**



MAIN APPLICATIONS



Industry



Food&Beverage



Oil&Gas

SUPPORT SERVICES

With the new Assistance Services specific to the different types of generators and the impact they have on productivity, ICI Powering Evolution customers can maintain the high efficiency status of their thermal power plants.

Activities

Each package offers a unique level of service, designed to guarantee:

- A wide range of included services
- Tailored support for specific needs
- Performance analysis and monitoring

Support service activities are grouped into 3 categories:



Basic Support



Active Support



Active Support Plus

COMPONENTS COMPATIBLE



ECO-OIL
Vertical economiser



ECXV KOND
Stainless steel vertical
condensing economiser



PMX
Oil supply pumps



VEO
Thermal oil expansion vessel



ADD
Feed water treatment for
steam generators



SERVICE LEVEL AGREEMENT
19 managed services, 3 levels of
offering



POWERING EVOLUTION