



PERFORMANCES AND TECHNICAL DATA BOILERS "MINIRAC"

(According to D.P.R. 412/93 and UNI 10348)

MODEL	NOMINAL CAPACITY (kW)	FURNACE CAPACITY (kW)	EFFICIENCY at 100% (ref. PCI) (%) Tav = 70°C smoke side	EFFICIENCY at 30% (ref. PCI) (%) Tav = 50°C smoke side	EFFICIENCY at 100% (ref. PCI) (%) Tav = 70°C water side	EFFICIENCY at 30% (ref. PCI) (%) Tav = 50°C water side	FLUEGAS SIDE LOSSES (mbar)	LOSSES AT CHINMEY* (burner on) (%)	SIDE LOSSES** (%)	SMOKES NET TEMPERATURE WITH GAS (°C)	SMOKES NET TEMPERATURE WITH OIL (°C)	GAS CONSUMPTION (Nm ³ /h)	OIL CONSUMPTION (Kg/h)	FLUEGAS FLOW WITH GAS (Nm ³ /h)	FLUEGAS FLOW WITH OIL (Kg/h)
MiniRac 30	31,8	34,5	93,8	93,5	92,2	90,7	0,4	5,1	1,1	106	112	3,5	2,9	52	55
MiniRac 50	47,0	51,0	94,0	95,0	92,2	92,3	0,45	5,1	0,9	106	112	5,2	4,3	77	82
MiniRac 80	76,1	82,5	94,5	96,3	92,3	91,0	0,5	6,7	0,9	140	147	8,3	7,0	125	132

* losses at chimney with burner off = 0,1%
burner equipped with comburent air closing damper

Minimum temperature for water return to boiler: 50°C

** in calm air, with room temperature 20°C

light oil fuel: CO₂ = 13%

gas fuel: CO₂ = 10%