

90



LULEH VA MACHINSAZI IRAN (L.M.I.) Co.

The M.I.3. cast-iron boiler model "L90"
with 5 year guarantee support and
permanent after-sale services
holder of the Iranian national standard award

M.I.3



The M.I.3. cast-iron new model of boilers titled as "L90" suitable for working with both gas and gasoil-fueled burners: presented in 8 sizes with working capacity ranging from 172,000 to 560,000 Kcal/h and the maximal heat output.



Luleh va Machinsazi Iran (L.M.I.) known as the first manufacturer of cast-iron boilers of central heating systems in Iran, aided by 30 years of working experience in this field of industry, now presents its newest and the third type of cast-iron boiler under code of M.I.3. model L90, which is as efficient as its European modern sorts. This boiler has the high efficiency and low noise, working quality, with the work output more than %90.

The boiler has been designed for installation on the ground level and possesses the capacity of meeting any heat requirements in household, industrial and other places.

The New Model's Features:

■ Combustion Chamber

The special design provides the facility of cooling down its flue combustion, by directing the combustion products through the three-fold ducts devised within the body of the boiler, before being exhausted. This provides a desired working situation of the boiler, with an ideal combustion, diminished noise, and high output operation.

■ Front Panel

The burner plate and view hatch designed just suitable to the requirements are installed on the front panel.

The front panel is indeed a door which can be determined to be opened in two different directions, upon need and order; and has been completely isolated for a proper heat transition and avoiding infiltration of the burning gases into the site wherein the central heating system is installed.

■ Carbon Accumulation Chamber

A small chamber has been devised at the end section of the boiler for gathering mass of the smoke and gases generated by combustion. This chamber is totally isolated in order to prevent air pollution of the environment.

Control Panel

The control panel is a perfect complex for regulating the operation of the boiler with a high output.

This part includes the following features:

Termo-manometer, which displays the pressure and temperature of the water within the boiler; Adjustable thermostat, for adjusting the required degree of temperature; Limit thermostat, for securing the boiler (in case the adjustable thermostat fails to function) ; Signal lamp, to indicate functioning of the limit thermostat. Meanwhile, the control panel excludes the elementary control circuits as well as securing the boiler system.

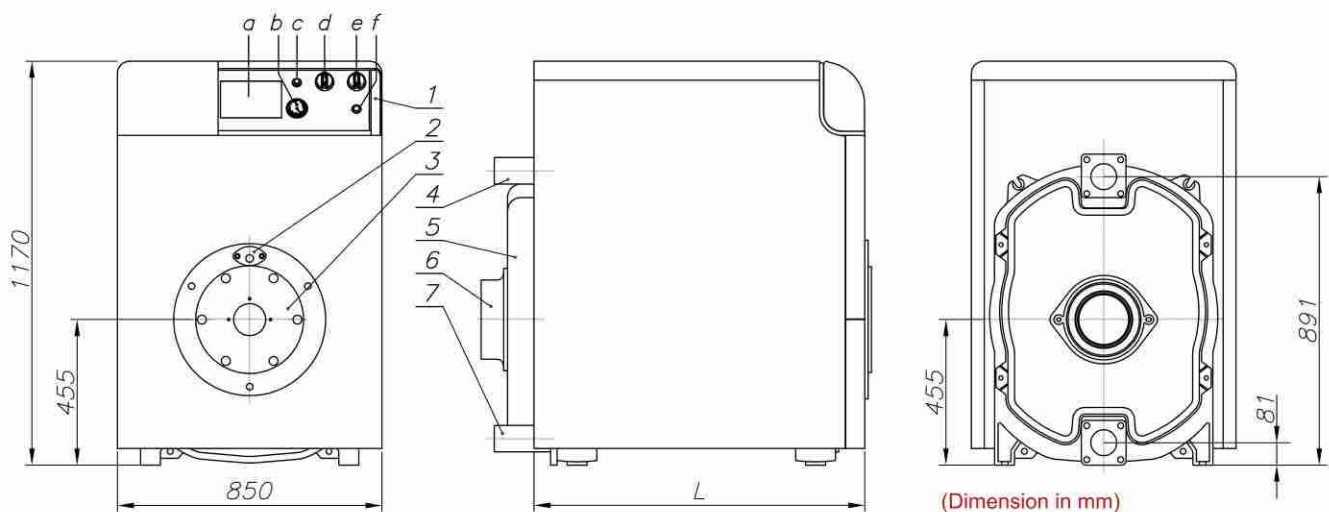
How To Supply The Product To Customer

Model "L90" of the M.I.3. series is supplied in 4 packages:

- 1.The covers
- 2.Control panel and wire-box
- 3.Components necessary for assembling the boiler
- 4.Components consisting of the disassembled boiler sections (which can alternatively be supplied in assembled form, upon the user's order)

This way of supplying guarantees an easy installation of the boiler, and also facilitate transportation and handing of the set.

An assemblage instruction accompanies the boiler which eases the job for any user.



- 1.Control Panel
- 2.View Hatch
- 3.Burner Connection
- 4.Flange outlet (3")
- 5.Carbon Accumulation Chamber
- 6.Chimney Connection
- 7.Flange inlet (3")

- a. Place for installation of programming set
- b. Thermo-manometer 120°C, 4 bars
- c. Limit thermostat 100°C
- d. Adjustable thermostat 0-90°C
- e. Position selection button
- f. signal lamp

Type of Boiler	Capacity of Output Heat		Capacity of Input Heat		Fall of Water Pressure (m bar) $\Delta T = 20^{\circ}C$	Fall of Smoke Pressure (m bar)	Length of Cover L mm	Boiler Capacity lit	Total Weight kg
	Kcal/h	Kw	Kcal/h	Kw					
L.7	172,000	200	186620	217	20	0.20	1055	131	930
L.8	215,000	250	232200	270	30	0.22	1188	150	1045
L.9	258,000	300	278640	324	42	0.24	1321	169	1160
L.10	310,000	360	333680	388	54	0.26	1455	188	1275
L.11	362,000	420	388720	452	65	0.28	1588	207	1390
L.12	413,000	480	443760	516	77	0.30	1721	226	1505
L.13	482,000	560	516000	600	88	0.32	1854	245	1620
L.14	560,000	650	597700	695	100	0.34	1987	264	1735



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