

# IMA | Indirect oil fired with separate external burner



## IMA-111 RADIAL

### FEATURES

- Fully automatic burner control with thermostat connection.
- The combustion chamber is heat resistant up to 850°C.
- Equipped with overheat protection and temperature limitation of warm air.
- Supplied with Intercal industrial burner with flow control. Alternative burners available (Riello oil- or gas burner for instance).
- Outlet temperature  $\Delta T$  of about 47°C.
- The EC fan is equipped with built-in soft starter and phase control as a standard. (IMA-61 EC)
- High efficiency heat exchanger (92% Min).

### APPLICATIONS

- Storage of flower bulbs without risk of harmful ethylene emission.
- Heating of greenhouses and polytunnels without risk of harmful CO<sub>2</sub> and CO emission.
- Heating of construction sites, tents, showrooms halls, warehouses and workshops.
- Drying of agricultural produce, construction - and renovation projects.

### TECHNICAL SPECIFICATIONS

IMA SERIES	61 AX	61 RAD	65 EC	111 AX	111 RDD	111 RHP	150 AX	150 RAD	150 RHP	200 RAD	200 RHP
Heat output (kW)	65	65	65	110	110	110	150	150	150	200	200
Fuel consumption (l/hr)	6.5	6.5	6.5	10.9	10.9	10.9	14.8	14.8	14.8	19.4	19.4
Heated airflow (m <sup>3</sup> /hr)	4.000	4.000	4.400	5.800	8.000	10.000	7.400	9.000	11.000	10.000	13.000
Power consumption (A)	3.3A/230V	6.5A/230V	5.5A/230V	4.4A/230V	15A/230V	7.5A/400V	5.7A/230V	15A/230V	9A/400V	15A/230V	10A/400V
Thermostat connection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Max. ventilator back pressure (Pa)	130	250	500	130	300	500	100	300	500	300	500
Outlet cone Ø (mm)	400	400	500	500	500	500	500	500	500	600	600
Flue connection Ø (mm)	180	180	180	200	200	200	200	200	200	200	200
Dimensions L*W*H (cm)	162*71*128	199*71*128	179*71*128	179*78*134	223*78*134	223*78*134	200*84*151	246*84*151	246*84*151	271*91*152	271*91*152
Weight (kg)	210kg	245kg	235kg	295kg	350kg	340kg	324kg	385kg	385kg	450kg	450kg
Item number	41.722.800	41.722.300	at request	41.724.800	41.724.710	41.724.210	41.726.800	41.726.650	41.726.000	41.728.650	41.728.010

### ADVANTAGES

- Maintenance friendly, easy to install and operate.
- Economic thanks to the high efficiency heat exchanger and the possibility of recirculation.
- Can be easily transported.

### WORKING PRINCIPLE

Indirect diesel fired heater that produces 100%, clean and dry, warm air by blowing air alongside a heat exchanger with a powerful radial fan.

