

PRODUCT SPECIFICATIONS



IMA 200 RADIAL IMA 150 RADIAL IMA 111 RDD IMA 61 RADIAL



IMA 150 AXIAL IMA 111 AXIAL IMA 61 AXIAL

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/hr 1 kW = 3,413 Btu/hr 1 kW = 3.6 MJ/hr 1 kg = 1.2 l/hr

| MODEL IMA | 61 AX | 61 RAD | 65 EC | 111 AX | 111 RAD | 111 RHP | 150 AX | 150 RAD | 150 RHP | 200 RAD | 200 RHP |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| Item number | 41.722.800 | 41.722.300 | 41.722.850 | 41.724.800 | 41.724.207 | 41.724.210 | 41.726.800 | 41.726.650 | 41.726.000 | 41.728.650 | 41.728.010 |
| Fuel | Diesel | Diesel | Diesel | Diesel | Diesel | Diesel | Diesel | Diesel | Diesel | Diesel | Diesel |
| Heat output (Btu/hr) | 222,000 | 222,000 | 222,000 | 375,000 | 375,000 | 375,000 | 512,000 | 512,000 | 512,000 | 682,000 | 682,000 |
| Heat output (kW) | 65 | 65 | 65 | 110 | 110 | 110 | 150 | 150 | 150 | 200 | 200 |
| Fuel consumption max. (l/hr) | 6.5 | 6.5 | 6.5 | 10.9 | 10.9 | 10.9 | 14.8 | 14.8 | 14.8 | 19.4 | 19.4 |
| Efficiency (%) | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| Heated air flow (m³/hr) | 4,000 | 4,000 | 4,400 | 5,800 | 8,000 | 10,000 | 7,400 | 9,000 | 11,000 | 10,000 | 13,000 |
| Max. ventilator back pressure (Pa) | 130 | 250 | 500 | 130 | 300 | 500 | 100 | 300 | 500 | 300 | 500 |
| Power supply (V) | 230 | 230 | 230 | 230 | 230 | 3 x 400 | 230 | 230 | 3 x 400 | 230 | 3 x 400 |
| Power consumption (AMPS) | 3.3 | 6.5 | 5.5 | 4.4 | 9.2 | 7.5 | 5.7 | 15 | 9 | 15 | 10 |
| 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 |
| Thermostat connection | * | * | * | * | * | * | * | * | * | * | * |
| Dim. heater only L x W x H (mm) | 1620 x 710 x 1280 | 1990 x 710 x 1280 | 1790 x 710 x 1280 | 1790 x 780 x 1340 | 2230 x 780 x 1340 | 2230 x 780 x 1340 | 2000 x 840 x 1510 | 2460 x 840 x 1510 | 2460 x 840 x 1510 | 2710 x 910 x 1520 | 2710 x 910 x 1520 |
| Dim. incl. packing L x W x H (mm) | 2030 x 750 x 1450 | 2030 x 750 x 1450 | 2030 x 750 x 1450 | 1800 x 800 x 1450 | 2410 x 980 x 1720 | 2410 x 980 x 1720 | 2100 x 950 x 1720 | 2650 x 950 x 1720 | 2650 x 950 x 1720 | 3000 x 1040 x 1720 | 3000 x 1040 x 1720 |
| Weight (kg) | 210 | 245 | 235 | 295 | 350 | 340 | 324 | 385 | 385 | 450 | 450 |
| Weight incl. packing (kg) | 250 | 275 | 260 | 325 | 450 | 440 | 435 | 525 | 525 | 588 | 588 |

FEATURES

| MODEL IMA | 61 AX | 61 RAD | 65 EC | 111 AX | 111 RAD | 111 RHP | 150 AX | 150 RAD | 150 RHP | 200 RAD | 200 RHP | Item number |
|--|-------|--------|-------|--------|---------|---------|--------|---------|---------|---------|---------|-------------|
| FLUE STACKS | | | | | | | | | | | | |
| Galvanized pipe 1 m, Ø 180 mm | * | * | * | | | | | | | | | 41.522.172 |
| Galvanized pipe 1 m, Ø 200 mm | | | | * | * | * | * | * | * | * | * | 41.528.192 |
| Galvanized rain cap, Ø 180 mm | * | * | * | | | | | | | | | 41.522.175 |
| Galvanized rain cap, Ø 200 mm | | | | * | * | * | * | * | * | * | * | 41.528.187 |
| Galvanized bend 45°, Ø 180 mm | * | * | * | | | | | | | | | 41.522.171 |
| Galvanized bend 45°, Ø 200 mm | | | | * | * | * | * | * | * | * | * | 41.528.230 |
| Bushing set for flue in polytunnels, Ø 180 mm | * | * | * | | | | | | | | | 41.750.250 |
| Bushing set for flue in polytunnels, Ø 200 mm | | | | * | * | * | * | * | * | * | * | 41.528.181 |
| THERMOSTATS | | | | | | | | | | | | |
| RT1, room thermostat -10/+40 °C with 5 m cable and plug, IP 54, switching differential ± 2 degrees | * | * | * | * | * | * | * | * | * | * | * | 40.228.405 |
| RT2, as RT1, with 10 m cable IP 54 | * | * | * | * | * | * | * | * | * | * | * | 40.228.410 |
| RT3, as RT1, with 20 m cable IP 54 | * | * | * | * | * | * | * | * | * | * | * | 40.228.420 |
| IT1, duct thermostat 0/100 °C with 6 m cable and plug, switching differential ± 1.5%. For control of temperature in ducting system | * | * | * | * | * | * | * | * | * | * | * | 40.000.107 |
| DA1, dual connection for thermostat. For control of 2 heaters on 1 thermostat | * | * | * | * | * | * | * | * | * | * | * | 41.729.220 |
| Extension cable 10 m for thermostat, with plug | * | * | * | * | * | * | * | * | * | * | * | 40.202.140 |
| Fault detector IMA GSM | * | * | * | * | * | * | * | * | * | * | * | 41.722.720 |
| Fault detector GSM room temperature monitoring, no connections needed. Regardless of the type of heater | * | * | * | * | * | * | * | * | * | * | * | 40.223.400 |
| SWITCHING / ELECTRONICS | | | | | | | | | | | | |
| Transformer set for electrical connections without 0 | | | | | | * | | | * | | * | 41.728.190 |
| Soft-starter set for gradual run-in of fan | | | | | | | | | | | | 41.728.203 |
| Hour counter | * | * | * | * | * | * | * | * | * | * | * | 41.728.235 |
| Digital timer, burning and ventilating | * | * | * | * | * | * | * | * | * | * | * | 41.728.302 |
| VFD fan speed controller (only factory option) | | | | | | * | | | * | | * | 41.724.930 |

PRODUCT SPECIFICATIONS

| MODEL IMA | | 61 AX | 61 RAD | 65 EC | 111 AX | 111 RAD | 111 RHP | 150 AX | 150 RAD | 150 RHP | 200 RAD | 200 RHP | Item number |
|---|----------|---|--------|-------|--------|---------|---------|--------|------------------------------|---------|---------|---------|-------------|
| DISTRIBUTION HEADS | | | | | | | | | | | | | |
| | Ø (mm) | | | | | | | | | | | | |
| To be connected to outlet cone of heater including 1 quick release clamp and 2 hose clips | 2 x 300 | * | * | | | | | | | | | | 41.722.068 |
| | 4 x 300 | | | | * | * | * | * | * | * | | | 41.724.177 |
| | 2 x 360 | | | | * | * | * | * | * | * | | | 41.724.192 |
| | 4 x 300 | | | | | | | | | | * | * | 41.728.177 |
| | 2 x 400 | | | | | | | | | | * | * | 41.728.443 |
| | 2 x 500 | | | | | | | | | | * | * | 41.728.068 |
| Air distributor | 400 | * | * | * | * | * | * | * | * | * | | | 50.500.450 |
| Connection piece 300 to 400 mm for air distributor | | To connect hoses 300 mm to the air distributor (400 mm) | | | | | | | | | | | 50.500.475 |
| Connection piece 150 to 400 mm for air distributor | | To connect hoses 150 mm to the air distributor (400 mm) | | | | | | | | | | | 50.500.465 |
| WARM AIR TRANSPORT HOSES | | | | | | | | | | | | | |
| Temperature resistant -30/+100 °C yellow, L = 6 m | 300 | v | v | | v | v | v | v | v | v | v | v | 40.107.276 |
| | 365 | | | | v | v | v | v | v | v | | | 40.107.278 |
| | 400 | * | * | | * | * | * | * | * | * | v | v | 40.107.280 |
| <i>v = distribution head instead of standard outlet cone</i> | 500 | | | * | * | * | * | * | * | * | v | v | 40.107.282 |
| On request warm air transport hoses temperature resistant -40/+80 °C and warm air transport hoses in other colours are available | | | | | | | | | | | | | |
| CONNECTION PIECE FOR HOSES WITH SLEEVE | | | | | | | | | | | | | |
| To connect hoses, including 2 hose clips | 300 | | | | | | | --- | for 300 mm hoses --- | | | | 41.218.071 |
| | 400 | | | | | | | --- | for 400 mm hoses --- | | | | 41.404.154 |
| RUBBER QUICK RELEASE CLAMPS FOR HOSES WITH END RING | | | | | | | | | | | | | |
| To connect hoses and if desired to fix to the heater flange | 300 | | | | | | | --- | for 300 mm hoses --- | | | | 40.502.067 |
| | 365 | | | | | | | --- | for 365 mm hoses --- | | | | 40.502.068 |
| | 400 | | | | | | | --- | for 400 mm hoses --- | | | | 40.502.069 |
| | 500 | | | | | | | --- | for 500 mm hoses --- | | | | 40.502.071 |
| GALVANIZED HOSE CLIPS | | | | | | | | | | | | | |
| To fasten hoses to the heater flange or to a connection piece | 60 - 600 | | | | | | | --- | for 60 till 600 mm hoses --- | | | | 41.522.196 |
| RECIRCULATION FLANGES AND HOSES | | | | | | | | | | | | | |
| Recirculation flange with bayonet connection for models from production year 2008 and up | 300 | * | * | | | | | | | | | | 41.722.140 |
| | 400 | | | | * | * | * | | | | | | 41.724.445 |
| | 500 | | | * | | | | | | | | | 41.722.854 |
| | 500 | | | | | | | * | * | * | * | * | 41.728.445 |
| Recirculation set for models up to production year 2008 | 300 | * | | | | | | | | | | | 41.722.120 |
| | 400 | | | | * | * | * | | | | | | 41.724.008 |
| | 500 | | | | | | | * | * | * | * | * | 41.728.008 |
| | L (m) | | | | | | | | | | | | |
| Recirculation hoses Ø 400 mm | 5 | | | | * | * | * | | | | | | 41.729.223 |
| | 10 | | | | * | * | * | | | | | | 41.729.224 |
| Recirculation hoses Ø 500 mm | 5 | * | * | * | | | | * | * | * | * | * | 41.729.228 |
| | 10 | * | * | * | | | | * | * | * | * | * | 41.729.246 |
| HOSE CONNECTION BEND 45 DEGREES | | | | | | | | | | | | | |
| | Ø (mm) | | | | | | | | | | | | |
| To connect hoses to marquees | 300 | v | v | | v | v | v | v | v | v | * | v | 41.000.300 |
| | 400 | * | * | | | | | | | | * | * | 41.000.400 |
| <i>v = distribution head instead of standard outlet cone</i> | 500 | | | * | * | * | * | * | * | * | v | v | 41.000.500 |
| FUEL ACCESSORIES | | | | | | | | | | | | | |
| Oil supply unit DE 600, 60 litre to transport oil under pressure from bulk tank to one or more heaters, to maximum height of 30 m | | | | * | * | * | * | * | * | * | * | * | 41.402.114 |
| Needed per heater: connection/reduction set with magnetic valve | | * | * | * | * | * | * | * | * | * | * | * | 41.530.005 |
| Oil preheating with cable (for SL 22) | | * | * | * | | | | | | | | | 41.527.212 |
| Oil preheating with cable (for SL 44 / 55) | | | | | * | * | * | * | * | * | * | * | 41.527.211 |
| Oil filter with water separation and bracket for return pipe | | * | * | * | * | * | * | * | * | * | * | * | 41.722.230 |
| Oil filter set with preheating | | * | * | * | * | * | * | * | * | * | * | * | 41.722.370 |
| Oil suction set universal | | * | * | * | * | * | * | * | * | * | * | * | 41.520.104 |
| TRANSPORT | | | | | | | | | | | | | |
| Set of air wheels with axle parts | | * | * | * | * | * | * | * | * | * | * | * | 41.722.237 |
| Various transport frames | | * | * | * | * | * | * | * | * | * | * | * | On request |



Flue stack with rain cap



RT1, RT2, RT3



Fault detector GSM



Distribution head



Yellow hose + end ring



Connection piece



Rubber quick release clamp