

Hot Air Dryers

HAD Series



The hot-air dryers of the HAD series have been designed to dry non-hygroscopic plastic granules. Non-hygroscopic plastic materials are polymers which trap the humidity on the surface of granules in very small percentages.

However, the processing of plastic materials in the presence of humidity may seriously affect the quality of the process and, as a consequence, the finished product.

Hot-air dryers are divided into two series. The first series includes the range HAD30 - HAD200 with airflow rates from 70 to 200 m³/h that can directly be installed on the plasticization throat of the machine. The second series includes the range HAD300 - HAD2500 with airflow rates from 400 to 1350 m³/h that are installed on a support structure.

Technical Specifications

- ▶ Glass-wool-insulated stainless-steel hoppers with central cone.
- ▶ Electronic control of the heating phase of the process air with PID algorithm. The control board is equipped with a microprocessor. The machine features a control keypad and display for entering parameters and viewing alarms.
- ▶ Daily/Weekly timer.
- ▶ Hinged covers where single-phase/three-phase hopper loaders can be installed.
- ▶ Insulated inspection door starting from model HAD150.

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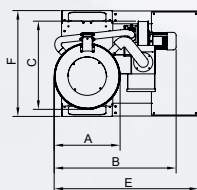
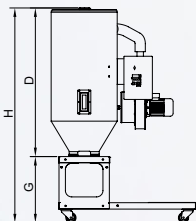
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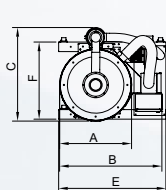
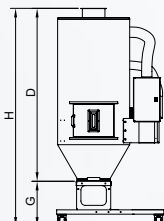
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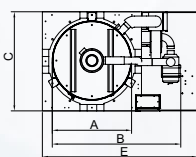
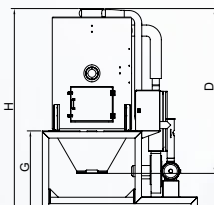
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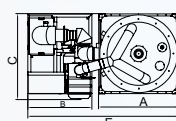
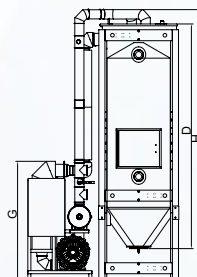
HAD30-200



HAD300-400



HAD600-1200



HAD1500-30000

| Technical Data | | HAD 30 | HAD 50 | HAD 75 | HAD 100 | HAD 150 | HAD 200 | HAD 300 | HAD 400 | HAD 600 | HAD 800 | HAD 1200 | HAD 1500 | HAD 2000 | HAD 2500 | HAD 3000 |
|---------------------|-------|-----------|--------|--------|-----------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|
| Max Process Airflow | m³/h | 70 | | 100 | | 200 | | | 400 | 600 | 600 | 600 | 750 | 1000 | 1350 | 1500 |
| Process Temperature | °C | 140 | | | | | | | | | | | | | | |
| Heating Power | kW | 1,6 | | 2,4 | | 3,6 | | | 9,6 | 12 | | | 27 | | 40,5 | |
| Fan/Blower Power | kW | 0,08 | | 0,18 | | 0,37 | | | 0,75 | 1,1 | | | 7,5 | | 11 | |
| Total Power | kW | 1,68 | | 2,58 | | 3,97 | | | 10,35 | 13,1 | | | 34,5 | | 51,5 | |
| Noise Level | dB(A) | <80 | | | | | | | | | | | | | | |
| Hopper Capacity | dm³ | 30 | 50 | 75 | 100 | 150 | 200 | 300 | 4100 | 600 | 800 | 1200 | 1500 | 2000 | 2500 | 3000 |
| Voltage/Frequency | V/Hz | 230/50-60 | | | 400/50-60 | | | | | | | | | | | |
| Weight | kg | 40 | 55 | 60 | 65 | 75 | 85 | 120 | 350 | 550 | 600 | 650 | 800 | 900 | 1000 | 1100 |

| Dimensions | | HAD 30 | HAD 50 | HAD 75 | HAD 100 | HAD 150 | HAD 200 | HAD 300 | HAD 400 | HAD 600 | HAD 800 | HAD 1200 | HAD 1500 | HAD 2000 | HAD 2500 | HAD 3000 | |
|------------|----|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|--|
| A | mm | 437 | | 515 | | 597 | | 832 | | 992 | | 1090 | 1126 | 1306 | 1316 | 1570 | |
| B | mm | 779 | | 952 | | 1021 | | 1178 | | 1608 | | 1865 | 1050 | | | | |
| C | mm | 555 | | 689 | | 731 | | 1078 | | 1240 | | | 1393 | | | 1570 | |
| D | mm | 740 | 960 | 969 | 1160 | 1319 | 1609 | 1750 | 1992 | 2062 | 2463 | 3025 | 3026 | 3187 | 3683 | 3935 | |
| E | mm | 1193 | | 1127 | | 1180 | | 1235 | 1235 | 1940 | | | 2211 | 2436 | 2475 | 2702 | |
| F | mm | 826 | | | | | | 888 | | - | - | - | - | - | - | - | |
| G | mm | 517 | | | | | | | | 1020 | | | 1942 | | | | |
| H | mm | 1257 | 1477 | 1486 | 1677 | 1836 | 2126 | 2267 | 2509 | 2551 | 2951 | 3529 | 3726 | 3933 | 4430 | 4727 | |

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