

## Industrial Dryers

Our range of Industrial Dryers have been designed to heat air using hot water for applications such as drying grain, woodchip, paper, bricks, logs and many more.

The outputs of the standard range are from 50 kW to 1000 kW with air delivery pressures from 250 Pa up to 1000 Pa.

Each Industrial Dryer is delivered fully assembled for easy on-site installation.

### Standard Design

Our standard range is based on the following:

Hot Water: 80°C flow / 60°C return

Air: 15°C inlet / 55°C outlet

For alternative air and/or water temperatures or air pressures please contact our sales department.

We can also supply coils that use thermal oil, steam or high pressure hot water as the heating medium.

### Finned Tube Coil

- High Efficiency Design
- Copper Tubes
- Aluminium Fins
- Galvanised Steel Casing as standard
- Stainless Steel Casing (Optional)
- Painted Steel Inlet Screen as standard
- Inlet filter box (Optional)
- Inlet weather louvre (Optional)

### Fan Complete with Electric Motor

- High Efficiency, 3 phase 415V motor
- Class F Insulation
- Weatherproof to IP55 minimum
- Anti Vibration mounts (On Centrifugal fans)
- Inverter control to adjust air flow (Optional)

### Transition Piece

- Galvanised Steel as standard
- Stainless Steel (Optional)
- Flexible rubber connection for anti vibration

### Skid Base Frame

- Suitable for lifting using a forklift truck
- Fully welded industrial strength
- Painted Mild Steel as standard
- Stainless Steel (Optional)

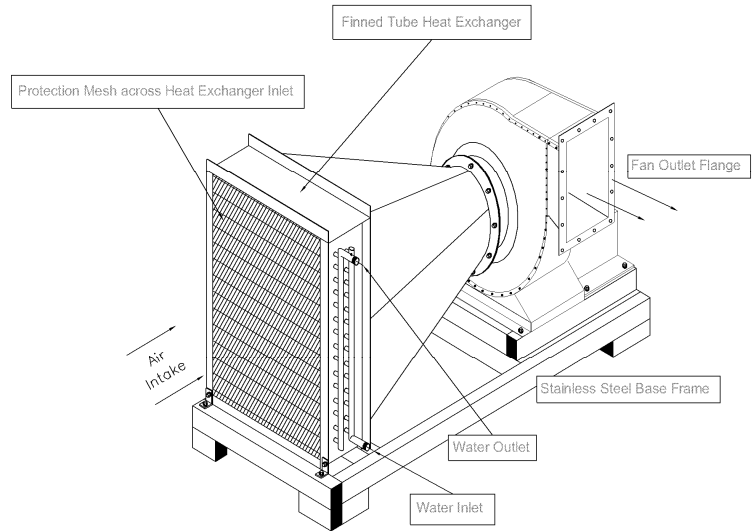


Typical duties for our standard range are in the below table. For alternative design conditions please contact our sales department.

L models: Low pressure, typically used for drying logs, bricks, and wood chip drying floors less than 1m.

W models: Medium Pressure, typically used for drying woodchip floors and containers higher than 1m.

G models: High Pressure, typically used for used for drying grain and cereals.



MODEL	MAX DUTY	AIR FLOW 15°C in / 55°C out	USEABLE AIR PRESSURE	DESIGN WATER FLOW 80°C flow / 60°C return
ID-50-L	50 kW	3,600 m <sup>3</sup> /hr	250 Pa	0.6 l/sec
ID-50-W	50 kW	3,600 m <sup>3</sup> /hr	612 Pa	0.6 l/sec
ID-100-L	100 kW	7,200 m <sup>3</sup> /hr	240 Pa	1.2 l/sec
ID-100-W	100 kW	7,200 m <sup>3</sup> /hr	666 Pa	1.2 l/sec
ID-100-G	100 kW	7,200 m <sup>3</sup> /hr	966 Pa	1.2 l/sec
ID-150-L	150 kW	10,800 m <sup>3</sup> /hr	250 Pa	1.8 l/sec
ID-150-W	150 kW	10,800 m <sup>3</sup> /hr	642 Pa	1.8 l/sec
ID-150-G	150 kW	10,800 m <sup>3</sup> /hr	942 Pa	1.8 l/sec
ID-200-L	200 kW	14,400 m <sup>3</sup> /hr	250 Pa	2.4 l/sec
ID-200-W	200 kW	14,400 m <sup>3</sup> /hr	528 Pa	2.4 l/sec
ID-200-G	200 kW	14,400 m <sup>3</sup> /hr	928 Pa	2.4 l/sec
ID-250-L	250 kW	18,180 m <sup>3</sup> /hr	300 Pa	3.0 l/sec
ID-250-W	250 kW	18,180 m <sup>3</sup> /hr	623 Pa	3.0 l/sec
ID-250-G	250 kW	18,180 m <sup>3</sup> /hr	923 Pa	3.0 l/sec
ID-400-W	400 kW	29,250 m <sup>3</sup> /hr	703 Pa	4.8 l/sec
ID-400-G	400 kW	29,250 m <sup>3</sup> /hr	1003 Pa	4.8 l/sec
ID-500-W	500 kW	37,750 m <sup>3</sup> /hr	647 Pa	6.0 l/sec
ID-500-G	500 kW	37,750 m <sup>3</sup> /hr	837 Pa	6.0 l/sec
ID-600-W	600 kW	43,900 m <sup>3</sup> /hr	625 Pa	7.1 l/sec
ID-600-G	600 kW	43,900 m <sup>3</sup> /hr	830 Pa	7.1 l/sec
ID-800-G	800 kW	58,680 m <sup>3</sup> /hr	940 Pa	9.8 l/sec
ID-1000-W	1000 kW	66,500 m <sup>3</sup> /hr	600 Pa	11.9 l/sec
ID-1000-G	1000 kW	66,500 m <sup>3</sup> /hr	854 Pa	11.9 l/sec

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