

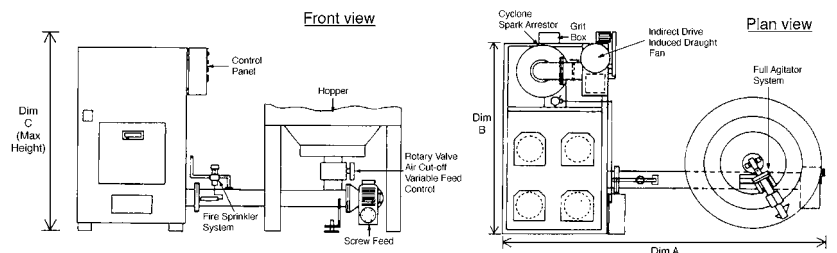
T-Range Automatic Combustion Units T1.5/A to TM/A

- The T-Range automatic units are designed to combust sawdust, shavings, MDF and MFC renewable energy woodchips
- The units produce direct warm air for space heating requirements
- The heaters are a compact cost effective package and include all major components
- The hoppers can be manually or automatically fed via a transfer system
- The storage capacity of the hopper can also be specified according to individual site requirements
- The heater and feed screw are available separately, if required
- Units comply with Clean Air Act Regulations
- Heat dumps, ducting systems, larger capacity silos and feed mechanisms available for all units



Specification						
Model	A mm	B mm	C (Max Height) mm	Silo Dia. as Standard mm	Weight Kg	Heat Output kW/Hr
T1.5/A	2864	1372	2260	1750	850	50
T3/A	3120	2057	2260	1750	1600	100
T5/A	3120	2057	2692	1750	2350	150
TM/A	3120	2743	2820	1750	2650	300

On the above measurements please allow for cleaning access and warm air ducting above and around each model.



T-Range Hand Fed Combustion Units T75 to T500

- Fuel:
 - Wood offcuts
 - Chipboard
 - MDF
 - Softwoods
 - Pallets
- Robust construction
- Simple design
- Low maintenance
- A proven flexible range of units suitable for any size of workshop
- Firebrick lined combustion zones
- Over 3,500 working installations worldwide
- Afterburners available
- Heat dumps and ducting systems available

Specification						
Model	Loading Door Size mm	Length mm	Width mm	Height mm	Weight Kg	Heat Output kW/Hr
T75	360 x 360	1230	914	1000	850	50
T150	420 x 360	1450	914	1700	720	50
T300	470 x 470	1970	1170	1830	1000	100
T500	540 x 540	2295	1170	1995	1740	150

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C-Range Automatic Combustion Units C1 to C12

STANDARDS

- Units designed to comply with world wide emission standard
- Full EPA compliant monitoring equipment supplied where necessary
- CE marked/CSA compliant

OPTIONS

- Direct units available with warm air heat exchangers or
- Medium pressure hot water boilers able to operate at 3 bar pressure (maximum 110°C)
- Different design pressures available upon request
- Can be fitted to any type of heat exchanger

FUELS

- Softwoods, hardwoods, medium density fibreboard (MDF), melamine faced chipboard (MFC), shavings, sawdust, chips, paper, cardboard, hog, treated timber, energy crops, i.e. short rotation coppice, straw, tree thinnings, brush & myscanthus

SPECIAL FEATURES

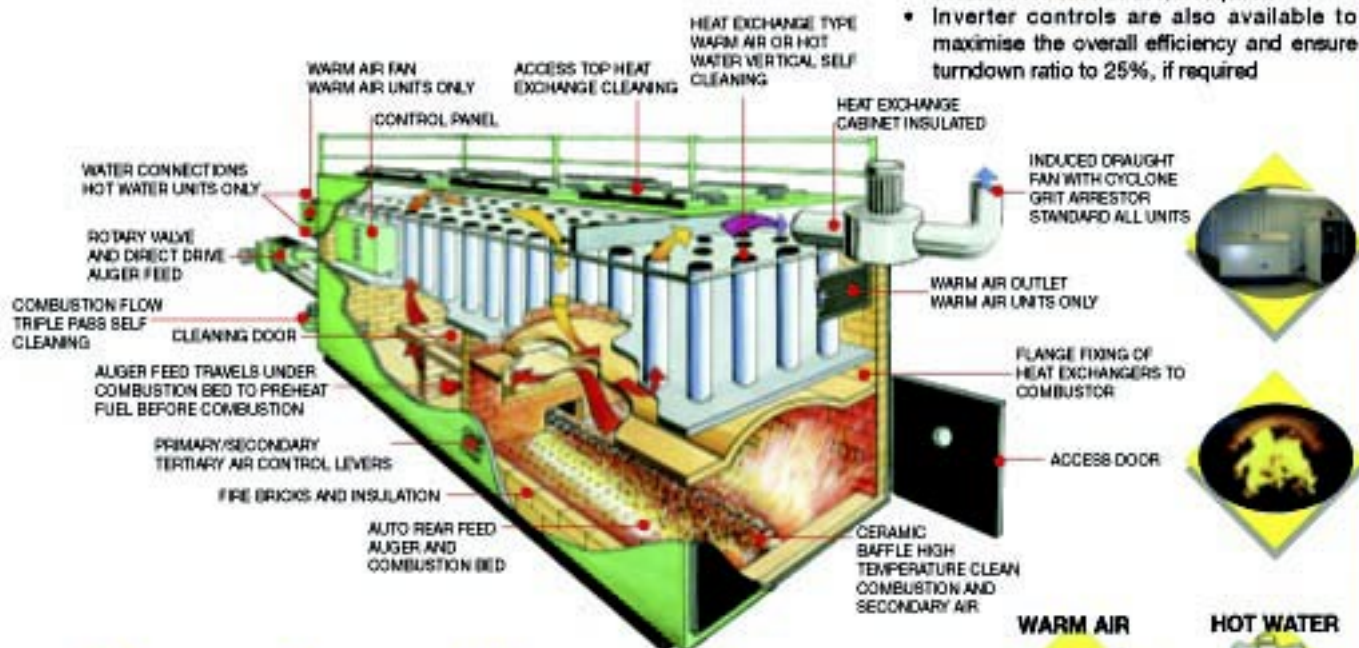
- Vertical tube heat exchange that self-cleans to ensure consistent efficiency
- Easy maintenance, multiple access ports
- High performance ceramic refractory lining
- Fully insulated
- Separate heat exchange and combustion chamber for longer life
- Fuel stock infeed is automatically controlled to avoid overheating
- Turnkey packages available

INCLUSIVE OF

- Rotary valve air lock between combustion zone and fuel supply
- Screw auger feed into the fire
- Static steel grates
- Warm air or medium pressure hot water heat exchange
- Cyclone grit arrestor
- Combustion fans and induced draught fan
- Control panel

RENEWABLE ENERGY INSTALLATIONS

- Suitable for large domestic/commercial heating and hot water demand
- High efficiency boilers
- Suitable for the safe combustion of renewable energy crops or wood waste
- Programmable computer control system available for ease of use, if required
- Inverter controls are also available to maximise the overall efficiency and ensure turndown ratio to 25%, if required



Specification					
Model	Length of Boiler mtrs	Width of Boiler mtrs	Approx Height of System mm	Approx Weight Kg	Heat Output kW/Hr
C1	1.0	1.0	2.0	2,000	50
C2	1.25	1.0	2.2	2,500	100
C3	1.5	1.25	2.5	3,500	150
C4	2.0	1.5	2.6	7,000	300
C5	3.0	2.0	3.0	13,000	600
C6	4.0	2.0	2.9	20,000	1,000
C7	6.0	2.0	3.2	27,000	1,500
C8	7.0	2.0	3.3	33,000	2,000
C9	9.0	2.0	3.3	37,000	2,500
C10	10.0	2.0	3.5	43,000	3,000
C11	11.0	2.0	3.5	48,000	3,500
C12	12.0	2.0	3.5	52,000	4,000

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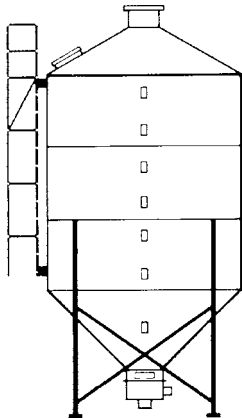


Silos and Hoppers

The silos and hoppers are designed to give safe storage of sawdust, woodchips and paper/cardboard shreadings. Silos and hoppers are available in 6 sizes.

The Mini Hopper and Midi Hopper are ideal for the T1/5C and T3/AC.

Hoppers come supplied as standard with their own discharge mechanisms and can also be used on the larger units as intermediate storage where they can be filled automatically from a central silo.



7 cubic metre



7 cubic metre

Specification						
	Mini Hopper	Midi Hopper	7 cu.m. Silo	13 cu.m. Silo	20 cu.m. Silo	35 cu.m. Silo
Height Overall	1.390m	2.320m	4.524m	4.928m	5.740m	7.023m
Diameter	1.000m	1.500m	2.057m	2.565m	2.870m	3.353m
Height of Base	390mm	820mm	640mm	640mm	640mm	640mm
Volume/cu.m.	0.785	2.65	7.426	14.540	20.710	35.290
Agitator Speed	2 rpm	2 rpm	2.86 rpm	2.86 rpm	2.89 rpm	2.89 rpm
Power Consumption	0.55 kW	0.55 kW	0.55 kW	0.55 kW	1.1 kW	1.1 kW
Discharge Outlet	0.2 x 0.125m	0.2 x 0.125m	0.2 x 0.125m	0.2 x 0.125m	0.2 x 0.125m	0.2 x 0.125m

Discharge Mechanism

The larger silos are supplied complete with ladders, safety rails, access hatches and a discharge mechanism as standard.

The discharge mechanism (which also includes an agitator) can be purchased separately when you have your own silo or wish to obtain your own silo.

The PM40 is for silo diameters up to 2.5 metres.

The PM50 is for silo diameters above 2.5 metres up to 4 metres

The PM60 is for silo diameters above 4 metres up to 6 metres

Silos and hoppers are designed to be flexible and any of the automatic models can be matched to the relevant silo or hopper.



Specification			
	PM40 Discharge	PM50 Discharge	PM60 Discharge
Power Consumption	0.55 kW	1.1 kW	2 kW
Agitator Speed	2.86 rpm	2.89 rpm	1.89 rpm
Cone Base Diameter	670mm	770mm	1000mm
Output Torque	763Nm	1,487Nm	2,483Nm
Drive Shaft Diameter	0.060m	0.070m	90mm

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