

# ADOBE LOOS & WORMS

*Organic Waste & Wastewater Treatment Systems*

## SUN-MAR EXCEL

Some potential buyers of waterless toilets are unable to buy a split system because their home is built on a concrete slab with no opportunity to install a composting chamber beneath the bathroom floor. For this type of installation we supply **Sun-Mar** self contained toilets. **Sun-Mar** is a Canadian manufacturer and one of the largest producers of composting toilets in the world. They have been producing waterless toilets for 30 years. Nature Loo is the exclusive Australian importer.

The **Excel**, first produced in 1979, has been continuously improved ever since. **It is certified as complying with Australian Standards 1546.2 and is approved in all states.** The **Excel** has a unique three chamber processing system including the patented Bio-drum. The exterior is made of fibreglass. The attractive high gloss white finish ensures it fits in well with other bathroom fittings and, unlike other products where the vent pipe exits the top of the unit inside the bathroom, the **Excel** vent is unseen. It exits from the rear of the unit.

The **Excel** is superior to other self-contained toilets because it uses a rotating drum to mix and aerate, rather than just a mixing bar or rake. The drum ensures optimum processing by providing the best composting conditions:

- Even moisture distribution
- Thorough mixing
- Complete aeration

To accommodate the drum, the toilet is taller than a conventional toilet. An optional step is supplied. To reduce the apparent height of the toilet it can be installed in a 20mm cavity. There is a heater which further enhances the composting process and evaporates liquids. The 240 volt ventilation system ensures the system is odourless. The standard **Excel** has a single electrical plug for the heater and fan. To have the option to use the fan alone without heater (during low occupancy or hot weather) there is the **Dual Plug** option, the **Excel DP**.

Unit Dimensions: Height 79 cm x Width 57 cm x Depth 84 cm

**Excel Price: \$3,270** Capacity: *4 people full-time use* **DP option: add \$25**

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The **Excel NE** (Non Electric) is a lower cost version of the **Excel**. It has no heater and no fan. There is a 12 volt fan option, and because of the efficiency of the process, this is normally unnecessary. The **Excel NE** is very popular in solar powered homes. The vent pipe exits from the top of the unit.

Unit Dimensions: Height 76 cm x Width 57 cm x Depth 84 cm

**Excel NE Price: \$2,940** With Fan Option: **\$3,000** Capacity: *3 people full-time use*

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## SUN-MAR SPECIFICATIONS

	EXCEL	EXCEL NE
<b>COMPOSTING CAPACITY</b>		
Residential & Continuous use (Adults / families *)	3 / 4	2 / 3
Weekend & holiday use (Adults / families)	6 / 8	5 / 7
<b>ELECTRICAL</b>		
Max. amps (heater on)	2.4	NA
Fan Watts (required or Optional Hook-up)	30 Req.	Opt.
Heater Watts (when thermostat switches it on)	250	NA
Average power use in watts (heater on ½ time)	150	NA
<b>UNIT DIMENSIONS (cm)</b>		
Height (unit only)	79.3	75.7
Depth (unit only)	83.8	83.8
Width ((unit only)	57.2	57.2
Footrest height (when in use)	26.7	26.7
Footrest to seat height	45.7	43.2
<b>VENTS AND DRAINS</b>		
Vent pipe (2" Cent. Vac. Tubing; 3" & 4" sewer)	2	4
Drains (required or optional hook-up)	½" opt.	1" req.
<b>ROUGH-IN MEASUREMENTS (cm)</b>		
Depth required to remove draw	121.9	121.9
Vent outlet centre distance from right side	25.4	28.6
Height to centre of vent	72.1	NA
Height to top of vent outlet assembly	NA	88.9
* Family numbers include adults and small children		

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