

PLANET TECHNOLOGY – ALC



ANNUAL POWER SAVINGS IN EXCESS OF \$1,000 AND NO EXTRACTION CANOPY REQUIRED

Making the right choice for the planet has never been as easy, or as good for your bottom line.

By recovering the heat from the steam generated during the operation of the dishwasher to heat the incoming rinse water, Starline ALC will provide your establishment with:

- ✓ Significant reductions in operating costs in excess of \$1,000 per year*
- ✓ Considerable reduction in steam emissions which eliminates the need for an extraction canopy in most locations**.

Additional Benefits:

- Improved operating environment: Drawing air from the machine during the cycle ensures minimal emissions during the cycle and when the hood is opened.
- Same great dishwasher: Starline ALC is constructed from heavy duty stainless steel and will provide excellent wash results year-after-year, just like Starline AL.
- Lower cost water treatment options: The cold inlet water required by Starline ALC is cheaper and easier to treat than a hot water supply.



*Savings calculations assume 20°C inlet temperature, with 25 cycles run per hour, 10 hours per day, 360 days per annum, at average power cost of \$0.15 per kWh.

**Full certification from SEED is available on request.



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Starline AL vs ALC

Energy Consumption Comparison
Indicative and for Discussion Purposes only

Assumptions:

Days usage per annum	360
Hours operation per day	10
Average cycles per hour	25
Power cost (kWh)	\$0.15



Starline AL
 Standard
 Hot inlet water
 3-phase/15amp
 1.5HP wash pump
 Canopy required



Starline ALC
 c/w Heat Recovery
 Cold inlet water
 3-phase/15amp
 1.5HP wash pump
 Canopy not required*

Rinse Water Usage (L):

Water consumption per cycle (L)	2.4	2.4
Total water usage per hour (L)	60	60
Total water usage per day (L)	600	600

Rinse Water Heating (per day):

Onsite heating to 65°C (from 20°C)	33.24	
Standard machine heating to 83°C **	16.99	
Dishwasher with HRU to 83°C ***		30.28

Daily Rinse Water Heating Cost: \$7.43 \$4.54

Annual Rinse Water Heating Cost: \$2,712.03 \$1,635.19

Forecast Annual Cost Savings: \$1,076.83

Forecast 5-Year Cost Savings: \$5,384.17

This is intended as an indicative analysis of the potential differences in operating costs for discussion purposes only. The total operating cost of both models will be higher once the water used to fill the machine and wash heating etc. are accounted for.

*SEED certified for installation without a canopy in most locations - certification available on request.

**Reduction in inlet temp between onsite heating and dishwasher will vary due to a number of factors, and in this example it is assumed to be 10°C.

***In factory trials the ALC HRU produces >20°C of heating from a 20°C cold water supply when operating on the medium cycle.

