

# Series 3 HT Evaporators – Mechanical Data

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Maximum speed	1415 rpm
Maximum G-force	500g
Drive system	Direct drive
Motor drive	Multi speed Inverter drive

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## Vacuum system

Pressure display	0-1200mbar
Pressure control	Automatic 1mbar to atmosphere
System ultimate vacuum	0.4 mbar
Bumping / foaming protection	Dri-Pure

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## Temperature and control

Control range	Ambient +10°C to 60°C
Control accuracy	±1°C (at ≤ 50°C)
Temperature sensing	Thermocouple
Display range	0°C to 60°C
End of method	Time or automatic
Process visualisation	Graphical display

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## Condenser Data

Condenser temperature	Minimum -75°C;
Refrigerant gas – stage 1	R404A, GWP=3922
Refrigerant charge – stage 1	0.330 kg
Refrigerant gas – stage 2	R508B, GWP=13396
Refrigerant charge – stage 2	0.120 kg
CO <sub>2</sub> equivalent (CO <sub>2</sub> e)	2.768 tonnes

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## Solvent compatibility

Boiling point range	40°C to 200°C at atmospheric pressure
HCl	Resistant option required
Diethyl ether, Pentane	Requires Inert Gas Purge option

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## Dimensions

Width x Depth x Height	660 x 710 x 840 mm
Weight (approximate)	193.3 kg (varies with build options)

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## Services

Supplied with single power cable and plug, IEC 60309 / Nema L6-30P  
Requires 32A power supply, 230V 50Hz / 220V 60Hz / 208V 60Hz  
USB A For data upload and download

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## Maintenance

Consumable parts (including IR lamps and door seal) are user replaceable. Easy access is provided to the condenser.

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## Safety

Complies with BS EN 61010-1:2010 and is CE marked.

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*Contains fluorinated greenhouse gases which are hermetically sealed within the equipment. Refrigerant gas R404a; GWP 3922; Charge 0.355kg; CO<sub>2</sub>e 1.4 tonnes. Refrigerant gas R508b; GWP 13996; Charge 1.13kg; CO<sub>2</sub>e 1.74 tonnes.*



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