Mechanical Data

Maximum rotor speed	1760rpm
Maximum G-force	700g
Drive system	Direct drive
Maximum sample load	6 x 450ml / 5 liters

Vacuum System

Pressure display	0-1200mbar
Pressure control	Automatic / 3mbar / to atmosphere
System ultimate vacuum	3mbar
Bumping / foaming protection	Dri-Pure®

Temperature And Control

Control range	Ambient +7°C to 60°C
Control accuracy	±1°C
Temperature sensing	Via thermistor
Display range	0°C to 60°C
End of method	Time or automatic
Process visualization	Strobe & Delta T

Solvent Compatibility

Boiling point range	40°C to 160°C at ambient
Includes	Alcohols, DCM/methylene chloride, DMF, ethyl acetate, water
HCl	Not compatible
Diethyl ether	Requires Inert Gas Purge option (compatible with flask rotor only)

Dimensions

Width x Depth x Height	780 x 640 x 530mm
Height with lid open	782mm
Weight	75kg

Services

Rocket Synergy 2 requires one mains power outlet

UK & Europe	230V (±10%), 50Hz, 13A
USA	120V (±10%), 60Hz, 15A
Japan	100V (±10%), 50Hz or 60Hz, 15A
USB A	For data upload and download
For chamber water	Approx. 50ml per day

Cold Trap Cooling Requirement

Temp range	–15°C to +10°C dependent upon application
Heat removal	700 Watts at +10°C
Flow rate	1.5 to 2.5 l/min
Pressure	1 (min) to 2 bar (max) static
Connections (to chiller):	8mm nylon hardwall tube for Genevac supplied chiller

Recirculating Chiller

A powerful recirculating chiller is available for the Rocket Synergy 2 evaporation system. The system can control the chiller via an RS232 link, thereby providing improved solvent recovery and better drying of samples compared with using a static cooled supply. A connection kit with insulated pipe work is available to accompany the chiller.

Maintenance

All seals are durable consumables and user replaceable. Easy access is provided to the pump, which can be maintained by trained users.

Safety

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