Mechanical Data

	Standard	Plus	Elite
Max RPM	2000	2000	2000
Max G	500	500	500
Drive system	Direct	Direct	Direct
Max Sample load (including swings)	1.5kg	1.5kg	1.5kg
Max. imbalance	40g	40g	40g
IR lamps (number)	1	1	1

Vacuum System

	Standard	Plus	Elite
Pressure display	0-1200mbar	0-1200mbar	0-1200mbar
Pressure control	automatic, 10 mbar - atmosphere	automatic, 2mbar - atmosphere	automatic, 0.5mbar - atmosphere
Bump protection	Yes	Yes	Yes
System ultimate pressure	10mbar	2mbar	0.5mbar
Auto vacuum vent valve	Yes	Yes	Yes

Temperature controls

	Standard	Plus	Elite
Temperature control range	Ambient to 80°C	Ambient to 80°C	Ambient to 80°C
Temperature control accuracy	+/- 2.5°C	+/- 2.5°C	+/- 2.5°C
Temperature sensing	by SampleShield infra red pyrometer	by SampleShield infra red pyrometer	by SampleShield infra red pyrometer
Temperature display range	0° to + 80°C	0° to + 80°C	0° to + 80°C
Chamber temp. range	Ambient (Ambient to 60°C)	Ambient (Ambient to 60°C)	Ambient (Ambient to 60°C)
End of run determination	Automatic	Automatic	Automatic

Condenser Data

	Standard	Plus	Elite
Condenser temperature	Minimum -50°C; Nominal operating temperature -35°C	Minimum -50°C; Nominal operating temperature -35°C	Minimum -50°C; Nominal operating temperature -35°C
Condenser power	70 Watts max load	70 Watts max load	70 Watts max load
Useable capacity – vacuum pot	1 litre	1 litre	=
Materials – condenser pots	Vacuum insulated Borosilicate glass	Vacuum insulated Borosilicate glass	Vacuum insulated Borosilicate glass
Condenser coils	FEP coated	FEP coated	FEP coated
Refrigerant gas	R449A	R449A	R449A
Refrigerant charge	0.064kg	0.064kg	0.064kg
CO_2e	Less than 0.1 tonnes	Less than 0.1 tonnes	Less than 0.1 tonnes

Solvent compatibility:

	Standard	Plus	Elite
Boiling points	Up to 120°C	Up to 165°C	Up to 220°C
Including: alcohols, DCM/methylene chloride, ethyl acetate, water, TFA,	Yes	Yes	Yes
DMSO	No	No	Yes
DMF	No	Yes	Yes
HCl	EZ-2 standard, only with HCl option	Only with HCl option	Only with HCl option
HNO_3	No	No	No
Diethyl ether	Only with inert purge option	Only with inert purge option	Only with inert purge option

Dimensions

	Standard	Plus	Elite
Width (max)	597mm (570mm without catchpot)	597mm (570mm without catchpot)	570mm (without pump)
Depth (max)	645mm	645mm	645mm
Height (max)	700mm	700mm	700mm
Weight	82kg	88kg	108kg

Services

Power supply – 120V (±10%), 60 Hz, 15A (USA), 230V (±10%), 50 Hz, 13A (UK + Europe), 100V (±10%), 50 Hz, 15A (Japan), 100V (±10%), 60 Hz, 15A (Japan).
EZ-2 Standard and Plus require a single power supply at the above rating.
EZ-2 Elite requires two power supplies at the above rating.

Safety

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

Contains fluorinated greenhouse gasses which are hermetically sealed within the equipment. Refrigerant gas R449A; GWP 1397; Charge 0.064kg; CO_2e less than 0.1 tonnes.