

MOBILE GREENHOUSE DESIGN CHART FOR A QUOTATION

CONFIGURATION		EXAMPLES			YOUR CHOICE INCLUDES	NOTES
		BASIC MODEL	RESEARCH MODEL	PC2/QC2 MODEL		
	Type A	yes	yes			
	Type B					
	Type C					
	Type D			yes		PC2/QC2
CLADDING	10mm PC twin wall	yes				80% light transmission (excl UV) - 10 year useful life
	16mm Acrylic twin wall		yes	yes		90% light transmission (inc UV) - 30 year life
RAMP AND HAND RAIL	Hot dip galvanised					Suitable for trolley and wheel chair access
FLOOR	Non slip vinyl	yes	yes	yes	standard	
FLOOR DRAINS	1 per room	yes	yes	yes	standard	
FLOOR DRAINS PC2/QC2	100 micron mesh			yes		
SUB FLOOR TANK	800 litre cap with pump outlet					
BENCHES 50X50 MESH TOP	2.5X0.9	yes	yes	yes		Capacity 6 in type A - 4+2 halves in type D
	2.5X1.1					Capacity 6 in type A - 4+2 halves in type D
	2.5X1.2					Capacity 6 in type A - 4+2 halves in type D
	2.24x1.6 rolling					Capacity 4 in type B&C
PLUMBING	RPZ	yes	yes	yes		Back flow prevention - normally mandatory
	Wash basin			yes		PC2/QC2
	Eye wash facility			yes		PC2/QC2
	Hose tap	yes		yes		State quantity - 1 is standard
WIRING AND ELECTRICAL	For evaporative cooling	yes				Provision for only
	For refrigerative cooling		yes	yes		Provision for only
	Electric heating		yes	yes		Provision for only
	Grow lights		yes	yes		Provision for only - 12 outlets with round pin earth
	Reticulation - 2 solenoids	yes	yes	yes		Provision for only
	Thermal screen	yes	yes	yes		Provision for only
	Exhaust fan and inlet shutter	yes	yes	yes		Provision for only
	General purpose sockets	4	2	2		State number required
Roof vent motor					Provision for only	

EQUIPMENT SUPPLY

		<u>BASIC MODEL</u>	<u>EXAMPLES RESEARCH MODEL</u>	<u>PC2/QC2 MODEL</u>	<u>YOUR CHOICE INCLUDES</u>	<u>NOTES</u>
ROOF VENTS	Up to 9 for natural ventilation	yes				Manual operation
	4 vents for emergency only		yes	yes		Manual operation
AUTO VENT OPENERS	1 per vent self contained	yes				
ROOF VENT MOTORISED SYSTEM	1x 0.45 kw motor				<u>YOUR</u>	Includes limit switches and overload
THERMAL SCREEN	External OLS 50				<u>CHOICE</u>	Seasonal manual screen with operating gearboxes
	External OLS 70				<u>INCLUDE</u>	Seasonal manual screen with operating gearboxes
	Internal XLS 15F					Motorised manual or computer controlled
	Internal XLS 16F	yes	yes	yes		Motorised manual or computer controlled
EVAPORATIVE COOLING	2 X Kerulai 06B	yes				Remote control manual operation or computer
REFRIGERATIVE COOLING	Rooftop unit 21kw cooling		yes	yes		1 A/C for 30C - subject to location
	Rooftop unit 21kw cooling					2 A/C for 20C - subject to location
	Clear ducting		yes			Internal in F Clean plastic
ELECTRICAL FAN HEATERS	2 X 3kw Industrial		yes	yes		Subject to location and screen properties
EXHAUST FAN & INLET SHUTTER	1x 500mm fan & shutter	yes	yes	yes		Shutter has electrical actuator - Rooms Type A&D
	2x 300mm fans and shutters				standard	Shutters have electrical actuators - Rooms Type B&C
HUMIDIFIER	0.6kw - 6 kg/hour		yes	yes	standard	On wheels and can be sited externally
BENCH ENCLOSURES	Clear plastic+ rollup front					To suit benches - state number
ELECTRICAL BENCH HEATING	300 watts/m2					Foil heating with protective mat - to match benches
	Thermostat					General purpose plug sockets required
RETICULATION	2 solenoids	yes	yes	yes		Main computer controlled
	Misting	yes				Coolnet 7 litre /hour 4 headed jets at 1m centres
	Bench trays	yes	yes	yes		Includes capillary mat and dripperline
	Reticulation controller	yes				Not required with computer
GROW LIGHTING	400w HP sodium					Includes shades and round pin earth plugs
ELECTRICAL INTERLOCKING DOORS	Electro magnetic with control			yes		PC2/QC2
ENTRANCE CLEANING FAN	1x 500mm caged fan			yes		PC2/QC2

COMPUTER CONTROL

		<u>BASIC MODEL</u>	<u>EXAMPLES RESEARCH MODEL</u>	<u>PC2/QC2 MODEL</u>	<u>YOUR CHOICE INCLUDES</u>	<u>NOTES</u>
ROOF VENTS	Up to 9 for natural ventilation	yes				Manual operation
COMPUTER WITH CONTROL RELAYS	Envirostep		yes	yes		Controls: Heating & air conditioning, screen, growlights,
	Internal aspirated temp/hum sensor		yes	yes		exhaust fan, bench heating, reticulation
	External temp sensor		yes	yes		
	Light sensor		yes	yes		
LAPTOP WITH LOGGING SOFTWARE	Stepsaver		yes	yes		Plugs into controller
MOBILE PHONE ALARM	Alarm manager		yes	yes		Be warned if there is a problem in the greenhouse.