

general specifications

DESCRIPTION

The Myson Kickspace has been predominantly designed to be installed into recessed locations. It requires an adequate supply of inlet air and the axis of the motor to be horizontal.

Kickspace is available in three types:

HYDRONIC

Connects to a standard two pipe pumped central heating system. All hydronic units are supplied with 0.75m of flexible pipes.

DUO (HYDRONIC-ELECTRIC)

Connects to a standard two piped pumped central heating system but includes an electric heating element to provide an alternative means of heating.

ELECTRIC

Electric element heating.

HYDRONIC PRODUCT RANGE

MODEL	GRILLE OPTIONS	FLEXIBLE HOSES*	ISOLATING VALVES (15mm)	ELECTRIC CABLE	TRANSFORMER	FAN ONLY OPTION
KICKSPACE 500	Cream, White, Brown, Black, Regal Gold, Chrome, Brushed Stainless, Aluminium	Supplied	Supplied	2 metres (mains fitted)	N/A	Yes
KICKSPACE 600	Cream, White, Brown, Black, Regal Gold, Chrome, Brushed Stainless, Aluminium	Supplied	Supplied	2 metres (mains fitted)	N/A	Yes
KICKSPACE 800	Cream, White, Brown, Black, Chrome, Brushed Stainless, Aluminium	Supplied	Supplied	2 metres (mains fitted)	N/A	Yes
KICKSPACE FLOOR	Beige	Supplied	Supplied	2 metres (mains fitted)	N/A	No

LOW VOLTAGE HYDRONIC PRODUCT RANGE

MODEL	GRILLE OPTIONS	FLEXIBLE HOSES*	ISOLATING VALVES (15mm)	ELECTRIC CABLE	TRANSFORMER	FAN ONLY OPTION
KICKSPACE 600-12V COMPACT	Cream, White, Brown, Black, Regal Gold, Chrome, Brushed Stainless, Aluminium	Supplied	Supplied	3 metres (low voltage fitted) 2 metres (mains fitted)	Supplied (external from product)	Yes
KICKSPACE 600-12V	Cream, White, Brown, Black, Regal Gold, Chrome, Brushed Stainless, Aluminium	Supplied	Supplied	3 metres (low voltage fitted) 2 metres (mains fitted)	Supplied (external from product)	Yes

DUO (HYDRONIC-ELECTRIC) PRODUCT RANGE

MODEL	GRILLE OPTIONS	FLEXIBLE HOSES*	ISOLATING VALVES (15mm)	ELECTRIC CABLE	TRANSFORMER	FAN ONLY OPTION
KICKSPACE 500 DUO	Cream, White, Brown, Black, Regal Gold, Chrome, Brushed Stainless, Aluminium	Supplied	Supplied	2 metres (mains fitted)	N/A	Yes

ELECTRIC PRODUCT RANGE

MODEL	GRILLE OPTIONS	FLEXIBLE HOSES*	ISOLATING VALVES (15mm)	ELECTRIC CABLE	TRANSFORMER	FAN ONLY OPTION
KICKSPACE 500E	Cream, White, Brown, Black, Regal Gold, Chrome, Brushed Stainless, Aluminium	N/A	N/A	2 metres (mains fitted)	N/A	Yes
KICKSPACE 600E	White or Brown	N/A	N/A	2 1/2 metres (mains fitted)	N/A	Yes

*750mm x 10mm bore, EPDM hoses, sheathed in AISI 304 stainless steel braid.

N.B. Kickspace 600E grilles are an integral part of the product and cannot be changed.

COLOUR REFERENCE (GRILLES)

WHITE (RAL 9003)	500, 600, 800, 600-12V Compact, 600-12V, 500 Duo, 500E
BROWN (RAL 8017)	500, 600, 800, 600-12V Compact, 600-12V, 500 Duo, 500E
BLACK (RAL 9011)	500, 600, 800, 600-12V Compact, 600-12V, 500 Duo, 500E
CREAM (RAL 1013)	500, 600, 800, 600-12V Compact, 600-12V, 500 Duo, 500E
BEIGE	Floor
BROWN OR WHITE	600E

REMOTE WALL SWITCH (OPTIONAL)

AVAILABLE FINISHES: White, Chrome, Brass, Brushed Stainless.

All remote wall switches are supplied with 3 metres of cable. All models are equipped to facilitate direct wiring.

Suitable for use with standard single gang surface or recessed mounting box (not supplied). The switch must only be used to operate a single Kickspace unit.

For use on Hydronic and Hydronic-Electric models only.
Not suitable for Electric only models.

N.B. When a remote wall switch is fitted, the fan speed control switch on the Kickspace fascia grille becomes inoperable and must be disconnected.

CONTROLS

HYDRONIC (KICKSPACE 500, 600, 800, 600-12V & 600-12V COMPACT)

FAN SPEED - Normal/off/boost

SUMMER/WINTER - Fan only/heating option

HYDRONIC-ELECTRIC (KICKSPACE 500 DUO)

SUMMER/OFF/WINTER - Fan only/off/heating option

SYSTEM SELECTOR - Central heating/electric heating

FAN SPEED - Normal/boost

ELECTRIC (KICKSPACE 500E)

SUMMER/OFF/WINTER - Fan only/off/heating option

POWER SELECTOR - 1kw or 2kw

FAN SPEED - Normal/boost

ELECTRIC (KICKSPACE 600E)

Summer/winter/output

ELECTRICAL DATA

All Kickspace models require an electrical supply of 220-240V-50Hz. All models can be used in conjunction with a room thermostat, however it is essential that the thermostat used is capable of carrying the electrical load.

HYDRONIC (KICKSPACE 500, 600 & 800)

Supplied with 2 metres of cable (0.75mm²).

Requires a supply fused at 3A.

LOW VOLTAGE HYDRONIC (KICKSPACE 600-12V & 600-12V COMPACT)

Supplied with 2 metres of cable (0.75mm²).

Requires a supply fused at 3A.

N.B. Low voltage models comply with BS 7671 section 601 (IEE Safety Extra Low Voltage wiring regulations for bathrooms). The transformer complies with BS 3535. Where a remote switch or thermostat is used, the line voltage to both is 12 volts maximum.

HYDRONIC-ELECTRIC (KICKSPACE 500 DUO)

Supplied with 2 metres of cable (0.75mm²).

Requires a supply fused at 5A.

ELECTRIC (KICKSPACE 500E & 600E)

500E supplied with 2 metres of cable (1.0mm²).

Requires a supply fused at 10A.

600E supplied with 2½ metres of cable (1.0mm²).

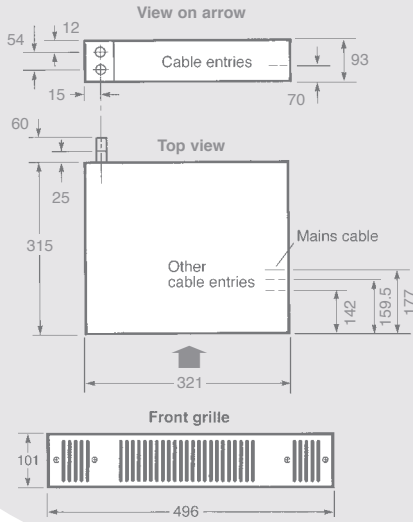
Requires a supply fused at 13A.

THERMOSTAT

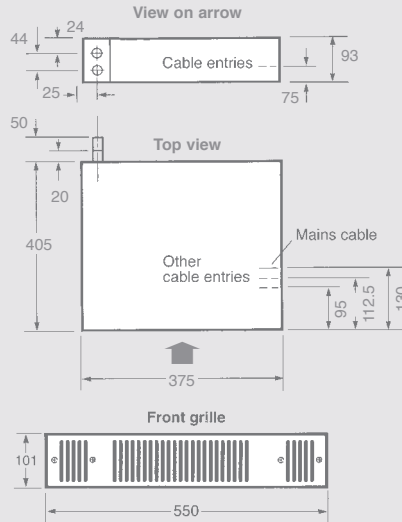
Kickspace models have a facility for connecting to an external room thermostat. Myson recommend a Myson MRT1 room thermostat.

KICKSPACE DIMENSIONS

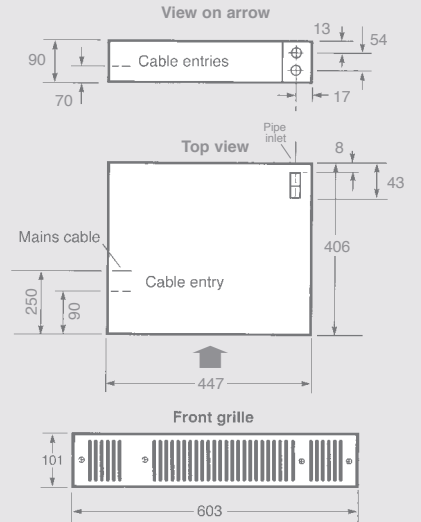
KICKSPACE 500



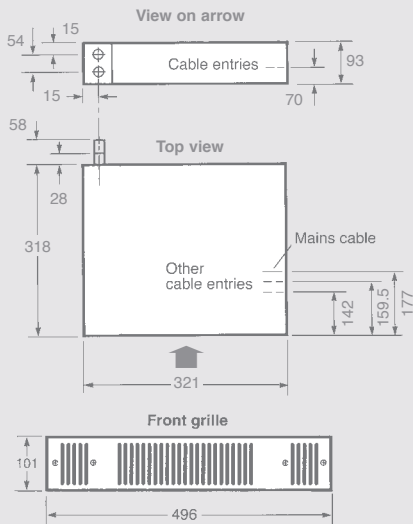
KICKSPACE 600, 600-12V



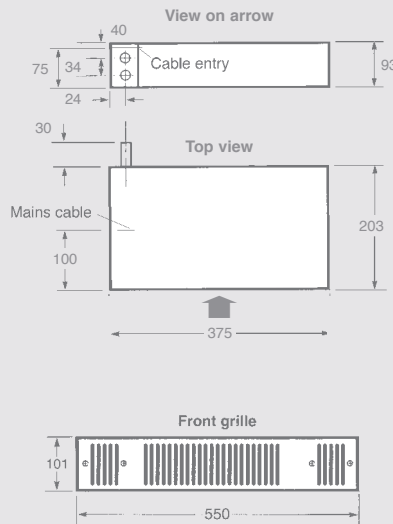
KICKSPACE 800



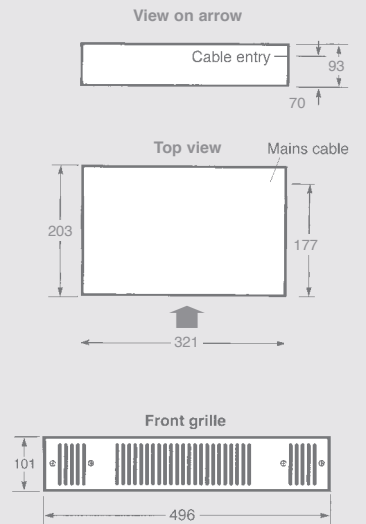
KICKSPACE 500 DUO



KICKSPACE 600-12V COMPACT

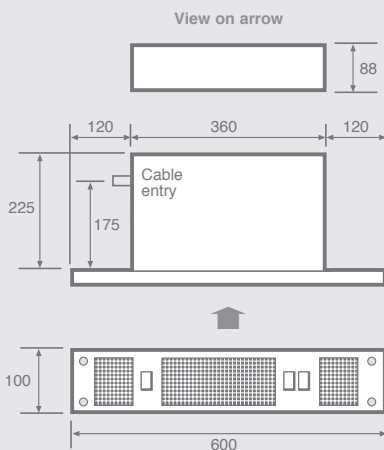


KICKSPACE 500E

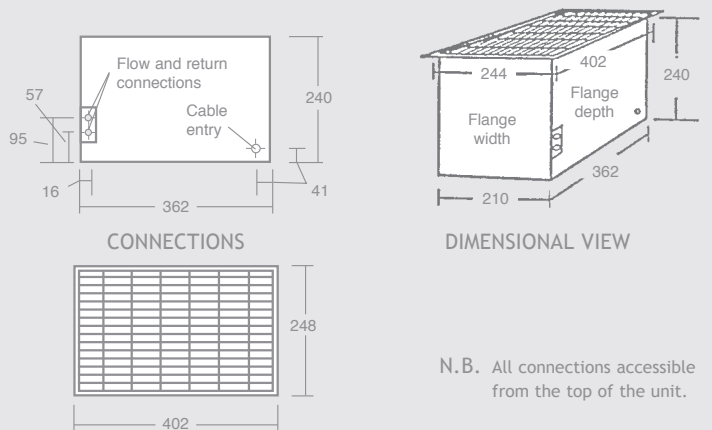


N.B. Add 4.5mm to the chassis height of the above models to allow for rubber mountings and screws.

KICKSPACE 600E



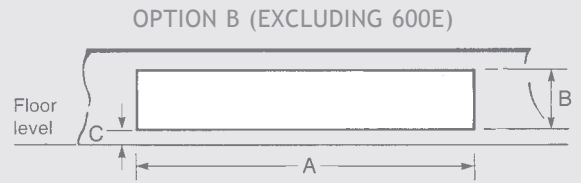
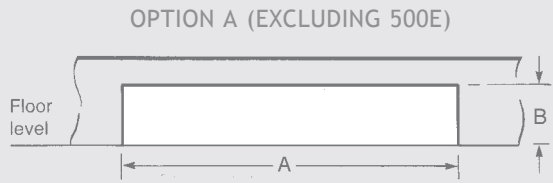
KICKSPACE FLOOR



N.B. All connections accessible from the top of the unit.

DIMENSIONS OF OPENING TO BE CUT IN KICKBOARD

KICKSPACE 500, 600, 600-12V COMPACT, 600-12V, 800, 500 DUO, 500E, 600E



	A	B	C
MODEL	mm	mm	mm
500, 500 DUO, 500E	466	99	17
600, 600-12V COMPACT, 600-12V	520	99	17
800	575	100	17
600E	540	95	

PERFORMANCE DATA

HYDRONIC MODELS

It is preferable to select the model with an output capable of maintaining the calculated heat losses of the room when operating at normal speed. This will enable the boost fan speed and the higher temperature differences to be used to greater advantage for rapid warming of the room from cold in excessive conditions.

When establishing the temperature difference, i.e. mean water to room temperature, allowance should be made for temperature drop in the system. It is the water temperature at the convector which dictates the output.

HYDRONIC PERFORMANCE DATA

MODEL	POWER CONSUMPTION watts	WATER CAPACITY litres	FAN SPEED	HEAT OUTPUT watts TEMPERATURE DIFFERENCE °C						HEAT OUTPUT Btu/h TEMPERATURE DIFFERENCE °F					
				40°	45°	50°	55°	60°	65°	72°	81°	90°	99°	108°	117°
500	12	0.15	NORMAL	733	815	896	976	1056	1135	2501	2781	3058	3332	3603	3873
	25		BOOST	923	1045	1166	1289	1412	1535	3152	3565	3981	4398	4817	5238
600	29	0.30	NORMAL	880	1053	1225	1393	1560	1730	3002	3594	4179	4754	5322	5904
	40		BOOST	1275	1453	1630	1803	1975	2150	4350	4959	5561	6154	6738	7336
800	18	0.18	NORMAL	1396	1552	1707	1860	2012	2162	4763	5295	5824	6346	6865	7377
	40		BOOST	1738	1964	2192	2420	2649	2879	5930	6701	7479	8257	9038	9823
FLOOR	9	0.07	NORMAL	622	711	802	894	987	1080	2122	2426	2736	3050	3368	3685
	28		BOOST	1035	1177	1322	1468	1615	1763	3531	4016	4511	5009	5510	6015

LOW VOLTAGE HYDRONIC PERFORMANCE DATA

MODEL	POWER CONSUMPTION watts	WATER CAPACITY litres	FAN SPEED	HEAT OUTPUT watts TEMPERATURE DIFFERENCE °C						HEAT OUTPUT Btu/h TEMPERATURE DIFFERENCE °F					
				40°	45°	50°	55°	60°	65°	72°	81°	90°	99°	108°	117°
600-12V COMPACT	10	0.10	NORMAL	461	525	590	655	720	787	1574	1791	2011	2234	2458	2684
600-12V	29	0.30	NORMAL	880	1053	1225	1393	1560	1730	3002	3594	4179	4754	5322	5904
	40		BOOST	1275	1453	1630	1803	1975	2150	4350	4959	5561	6154	6738	7336

Heat outputs tested in accordance with BS 4856 Part 1.
FLOW RATE: 340 ltr/h (75 gal/h)

FLOW RATE CORRECTION FACTORS:
455 ltr/h (100 gal/h) multiply output by 1.03
227 ltr/h (50 gal/h) multiply output by 0.96
113 ltr/h (25 gal/h) multiply output by 0.85

PERFORMANCE DATA

DUO (HYDRONIC-ELECTRIC) MODELS

HYDRONIC MODE PERFORMANCE DATA

MODEL	POWER CONSUMPTION watts	WATER CAPACITY litres	FAN SPEED	HEAT OUTPUT watts TEMPERATURE DIFFERENCE °C						HEAT OUTPUT Btu/h TEMPERATURE DIFFERENCE °F					
				40°	45°	50°	55°	60°	65°	72°	81°	90°	99°	108°	117°
500 DUO	12	0.105	NORMAL	636	734	835	938	1043	1151	2169	2505	2849	3201	3560	3926
	25		BOOST	835	958	1083	1210	1340	1471	2847	3267	3695	4130	4572	5020

ELECTRIC MODE

The unit will operate on either fan speed to provide 1kW of heating.

THERMAL CUT-OUTS: two automatic.

Heat outputs tested in accordance with BS 4856 Part 1.

FLOW RATE: 340 ltr/h (75 gal/h)

FLOW RATE CORRECTION FACTORS:

455 ltr/h (100 gal/h) multiply output by 1.03

227 ltr/h (50 gal/h) multiply output by 0.96

113 ltr/h (25 gal/h) multiply output by 0.85

APPROXIMATE HYDRAULIC RESISTANCE

ltr/h	mm wg								ft wg						gal/h
	500	600	800	FLOOR	600-12V COMPACT	600-12V	500 DUO	500	600	800	FLOOR	600-12V COMPACT	600-12V	500 DUO	
455	788	1046	911	448	671	1046	652	2.59	3.43	2.99	1.47	2.20	3.43	2.14	100
340	488	625	544	258	454	625	380	1.60	2.05	1.78	0.85	1.49	2.05	1.25	75
227	231	326	258	136	262	326	204	0.76	1.07	0.85	0.45	0.86	1.07	0.67	50
113	82	95	82	54	101	95	68	0.27	0.31	0.27	0.18	0.33	0.31	0.22	25

SOUND PRESSURE AND WEIGHTS

MODEL	SOUND PRESSURE AT 2.5m dBA		UNIT WEIGHT kg
	NORMAL	BOOST	
500	25.7	38.1	5.5
600	26.4	37.2	5.9
800	28.5	49.8	5.5
FLOOR	27.4	56.1	5.5
600-12V COMPACT	23.8	N/A	5.0*
600-12V	29.4	39.0	7.9*
500 DUO	25.7	38.1	4.5

*Includes transformer

AIR FLOW

MODEL	AIR FLOW m ³ /h		AIR FLOW ft ³ /h	
	NORMAL	BOOST	NORMAL	BOOST
500	70	90	2471	3177
600	106	138	3742	4872
800	139	210	4908	7415
FLOOR	76	169	2684	5968
600-12V COMPACT	60	N/A	2119	N/A
600-12V	106	138	3742	4872
500 DUO	70	90	2471	3117

PERFORMANCE DATA

ELECTRIC MODELS

ELECTRIC PERFORMANCE DATA

MODEL	HEAT OUTPUT watts			UNIT WEIGHT kg	AIR FLOW m ³ /h	AIR FLOW ft ³ /h	SOUND PRESSURE AT 2.5m dBA		
	NORMAL	MEDIUM	HIGH				NORMAL	MEDIUM	HIGH
500E	1000	2000		3.0	T.B.A	T.B.A	27.2	40.2	N/A
600E	1000	2000	3000	3.5	210	7560	38.0	38.0	38.0

Sound pressure tests in accordance with EN 23741.

THERMAL CUT-OUTS: one automatic.