

TECHNICAL DATA SHEET

TECHNICAL DATA SHEET COM083A (2020/08)



BOSCH

Invented for life

Worcester Greenstar Heat Interface Unit:

The Greenstar HIU is a range of twin plate heat exchanger indirect heat interface units, which offer DHW flowrates of 15 l/min or 21 l/min. All models offer 15 kW to central heating and the ability to accurately control DHW and central heating flow temperatures.



- ▶ The KE Plus and E Plus are both BESA registered
- ▶ Available with or without heat meter, DPCV and flushing bypass
- ▶ Nominal DHW output - 72.7 kW (21 l/min) KE Plus and 51.4 kW (15 l/min) HIU E plus
- ▶ Central heating capacity of up to 15 kW
- ▶ Electronic control valves with return temperature limiter
- ▶ Fully insulated separate EPC inner case enclosing all major components
- ▶ Internal DPCV options
- ▶ All models offer both top and bottom connections
- ▶ Optional Internal keyless filling loop
- ▶ Optional flushing bypass
- ▶ Easy internal pre-payment cut-off connection
- ▶ Internal anti scald valve protection

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Worcester, Bosch Group, Cotswold Way, Warndon, Worcester WR4 9SW. Commercial & Industrial: 01905 752565. Commercial.Industrial@uk.bosch.com

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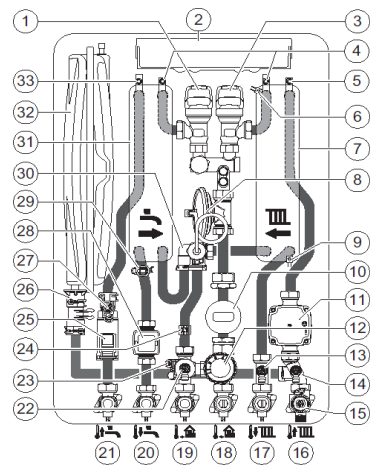
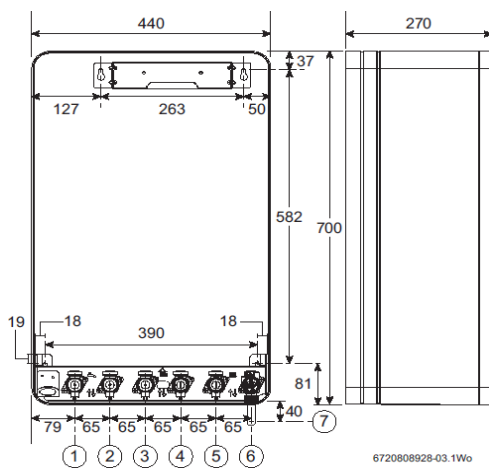
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Worcester Greenstar HIU Technical Data:

Dimensions & Connections	Unit	Value
Height x width x depth	mm	700 x 440 x 270
Total Unit Weight	kg	31-33
Cold inlet & DHW outlet (Compression)	mm	22
District heating flow & return (Compression)	mm	22
Secondary heating flow & return (Compression)	mm	22
Pressure relief valve	mm	15



Technical data	Unit	KE Plus	KE Plus (Inc. HM)	E Plus	E Plus (Inc. HM)	HIU E	HIU E (Inc. HM)	HIU	HIU (Inc. HM)
Nominal output to DHW	kW	72.7	72.7	51.4	51.4	51.4	51.4	51.4	51.4
Space heating output range	kW	1 - 15	1 - 15	1 - 15	1 - 15	1 - 15	1 - 15	1 - 15	1 - 15
Maximum flow rate with integrated DPCV	l/sec	0.38	0.38	0.355	0.355	0.355	0.355	0.355	0.355
Maximum flow temp – Secondary heating	°C	80	80	80	80	80	80	80	80
Maximum flow temp – DHW	°C	60	60	60	60	60	60	60	60
Maximum working pressure - Primary system	bar	10	10	10	10	10	10	10	10
Maximum working pressure – CWS/DHW	bar	10	10	10	10	10	10	10	10
PRV setting – Secondary heating	bar	3	3	3	3	3	3	3	3

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General	Unit	KE Plus	KE Plus (Inc. HM)	E Plus	E Plus (Inc.HM)	HIU E	HIU E (Inc. HM)	HIU	HIU (Inc. HM)
Electrical Supply	V / Hz	230 / 50	230 / 50	230 / 5	230 / 5	230 /	230 / 5	230 /	230 /
Appliance protection rating	IP	X4D	40	X4D	40	X4D	40	X4D	40
Maximum power consumption	W	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
Standby power consumption	W	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Expansion vessel size	l	5	5	5	5	5	5	5	5
Expansion vessel charge	bar	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75

District Temperature 80°C (DHW 50°C @ 40K rise)	Unit	KE Plus	KE Plus (Inc. HM)	E Plus	E Plus (Inc.HM)	HIU E	HIU E (Inc. HM)	HIU	HIU (Inc. HM)
Primary flow rate	l/s	0.24	0.24	0.17	0.17	0.17	0.17	0.17	0.17
Primary pressure drop	kPa	41.3	56.4	22	30.5	22	30.5	15	21
DHW output	kW	58.6	58.6	41.8	41.8	41.8	41.8	41.8	41.8
DHW flow rate	l/min	21	21	15	15	15	15	15	15

District Temperature 70°C (DHW 45°C @ 35K rise)	Unit	KE Plus	KE Plus (Inc. HM)	E Plus	E Plus (Inc.HM)	HIU E	HIU E (Inc. HM)	HIU	HIU (Inc. HM)
Primary flow rate	l/s	0.25	0.25	0.18	0.18	0.18	0.18	0.18	0.18
Primary pressure drop	kPa	45.1	61.5	26	33	26	33	16	24
DHW output	kW	51.3	51.3	36.6	36.6	36.6	36.6	36.6	36.6
DHW flow rate	l/min	21	21	15	15	15	15	15	15

District Temperature 65°C (DHW 40°C @ 30K rise)	Unit	KE Plus	KE Plus (Inc. HM)	E Plus	E Plus (Inc.HM)	HIU E	HIU E (Inc. HM)	HIU	HIU (Inc. HM)
Primary flow rate	l/s	0.23	0.23	0.17	0.17	0.17	0.17	0.17	0.17
Primary pressure drop	kPa	37.4	51	22	28	22	28	14	20.5
DHW output	kW	44	44	31.3	31.3	31.3	31.3	31.3	31.3
DHW flow rate	l/min	21	21	15	15	15	15	15	15

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Optional Accessories:

Rear Vertical Piping Kit



Part Number - 7 733 600 127

Flushing Valve



Part Number - 7 733 600 133

Summer By-pass



Part Number - 7 733 600 132

Differential Pressure Control Valve



Part Number - 7 733 600 131

Keyless Filling Link



Part Number - 7 716 192 610

Sense II



Part Number - 7 738 111 064

Accessory	Part number
Heat Meter Adaptor Kit	7 733 600 119
Security Fixings	7 733 600 281

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