

## WALES ELECTRIC UPRIGHT WATER HEATER

### Engineered for reliable comfort

Premium electric water heating solutions  
Residential & light commercial applications – UAE  
Instant performance. advanced protection. long-term durability.

### RELIABLE HOT WATER. ZERO COMPROMISE.

The wales electric upright water heater is engineered to deliver consistent hot water performance under demanding usage conditions. Built with heavy-gauge steel construction and advanced glass-lined tank Technology, wales combines durability, energy efficiency, and operational safety in one integrated system.

Designed for villas, apartments, hotels, and commercial buildings across the UAE.

### The Electric Upright Models Feature:

- Factory installed hydrojet® total performance system—sediment reducing device that also increases first hour delivery of hot water while minimizing temperature build-up in tank.
- Vitraglas® lining—an exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. this formula (vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- Direct heat transfer with immersed elements—transfers heat directly and efficiently to the water. screw-in style.
- Fully automatic thermostat controls—fast acting surface-mount thermostat with high limit energy cut-off (manual reset) for safety.
- Non-simultaneous and simultaneous operation available— non simultaneous operation (standard) indicates one element at a time is operating. simultaneous operation indicates both elements (if equipped) may operate at the same time.
- Single phase or three phase operation available—277V may only be wired for three phase operation.
- Protective magnesium anode rod—provides added protection against corrosion for long-term, trouble-free service.
- steel tank—heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- Low restriction brass drain valve—durable tamper proof design.
- Suitable for residential and light duty commercial applications.





### Warranty Coverage

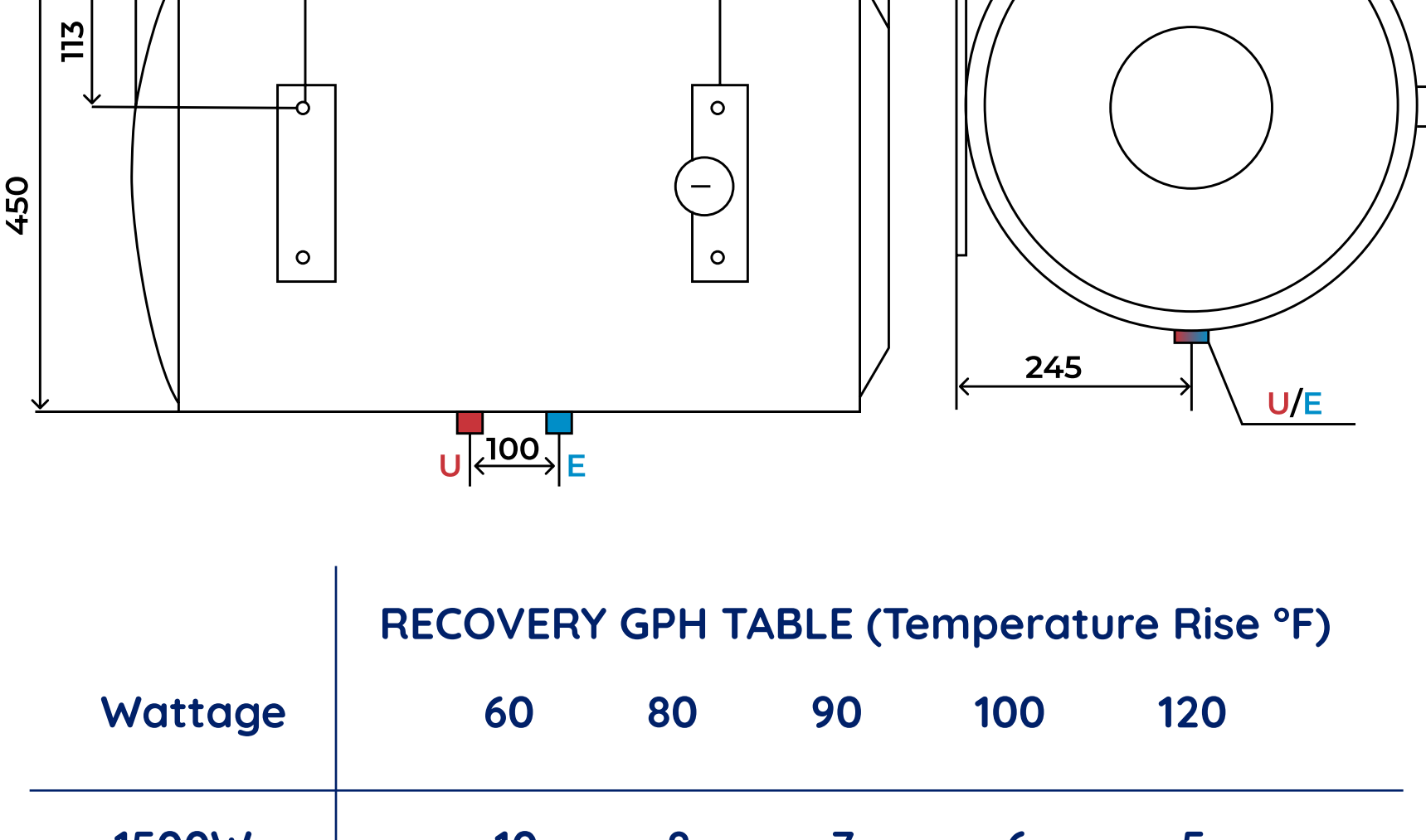
**Residential models:**  
2 Or 3 Year limited tank warranty  
1 year electrical components warranty

**Commercial models:**  
1 or 2 year limited tank warranty  
1 year parts warranty

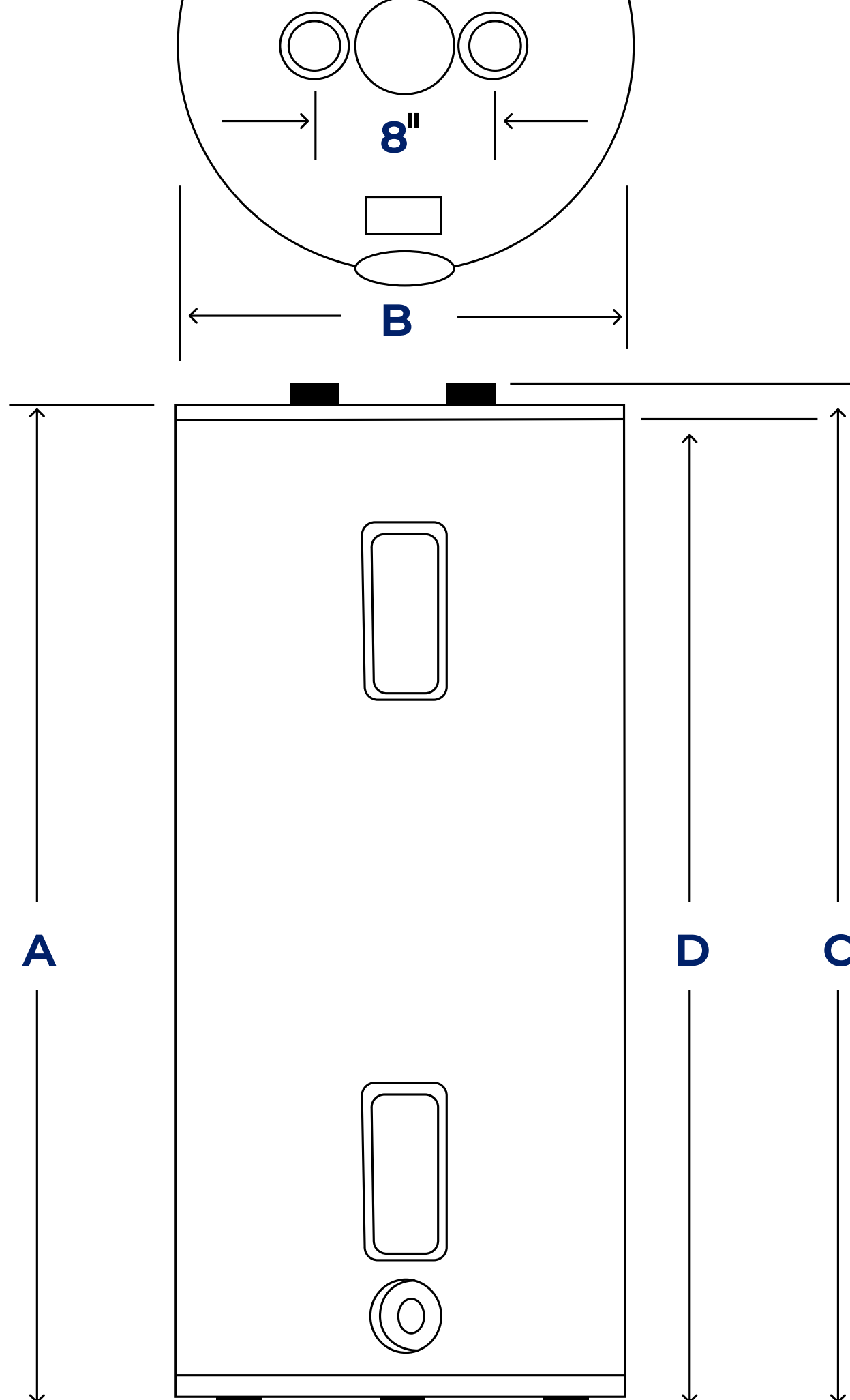
**Test Pressure:**  
300 PSI (2068 KPA)  
working pressure: 150 PSI (1034 KPA)  
manufactured under strict quality control standards.

### DIMENSIONS & SPECIFICATIONS (METRIC)

Model Number	Capacity	Recovery 50°C Rise		A Floor To Heater Top	B Jacket Dia	C Floor To Water Conn	D Floor To T&P Conn	Approx. Shipping Weight
	Liters	(Liters/Hour)		MM	MM	MM	MM	Kg
M-I-30R6DS	30	21	18	46 <sup>7/8</sup>	16	48 <sup>1/4</sup>		45
M-I-50R6DS	50	21	18	46 <sup>7/8</sup>	18	47 <sup>7/8</sup>		55
M-I-80R6DS	80	21	18	59 <sup>3/4</sup>	16	60 <sup>3/4</sup>		56
M-I-100R6DS	100	21	18	46 <sup>1/2</sup>	20	47 <sup>1/2</sup>	46 <sup>1/2</sup>	75
M-I-200R6DS	200	21	18	57 <sup>1/2</sup>	18	58 <sup>1/2</sup>	57 <sup>1/2</sup>	105
M-I-300R6DS	300	21	18	59 <sup>1/4</sup>	20	60 <sup>1/4</sup>	59 <sup>1/4</sup>	125
M-I-500R6DS	500	21	18	60	22	61 <sup>1/4</sup>	61 <sup>11/16</sup>	250



Wattage	RECOVERY GPH TABLE (Temperature Rise °F)				
	60	80	90	100	120
1500W	10	8	7	6	5
2000W	14	10	9	8	7
2500W	17	13	11	10	9
3000W	21	15	14	12	10
3500W	24	18	16	14	12
4000W	28	21	18	16	14
4500W	31	23	21	19	15
5000W	34	26	23	21	17
5500W	38	29	25	23	19
6000W	41	31	28	25	21



### TECHNICAL DATA

#### 50 L - TECHNICAL DATA

		PRO1 R 50 H	PRO1 R 50 H	PRO1 R 50 V	PRO1 R 50 V
NOMINAL CAPACITY	L	50	50	50	50
INSTALLATION	H	H	H	V	V
SIZE	REGULAR	REGULAR	REGULAR	REGULAR	REGULAR
POWER	KW	0.8	1.2	1.5	2
VOLTAGE	V	220 - 240	220 - 240	220 - 240	230
HEATING TIME (ΔT=45°C)	H.MIN	3.13'	2.09'	1.43'	1.17'
HEAT DISPERSION AT 65°C	KWH/24H	1.20	1.02	0.99	0.99
MAX WORKING PRESSURE	BAR	8	8	8	8
MAX WORKING TEMPERATURE	°C	75	75	75	75
WEIGHT	KG	17	17	17	17
CLASS	IP	IPX1	IPX1	IPX3	IPX3
CODE (UAE)		3201519	3201980	3201977	
CODE			3201830	3201824	3201810

#### 80 L - TECHNICAL DATA

		PRO1 R 80 H	PRO1 R 80 H	PRO1 R 80 H	PRO1 R 80 H	PRO1 R 80 V	PRO1 R 80 V
NOMINAL CAPACITY	L	80	80	80	80	80	80
INSTALLATION	H	H	H	H	H	V	V
SIZE	REGULAR	REGULAR	REGULAR	REGULAR	REGULAR	REGULAR	REGULAR
POWER	KW	0.8	1.2	1.5	2	1.5	2
VOLTAGE	V	220 - 240	230	220 - 240	230	220 - 240	230
HEATING TIME (ΔT=45°C)	H.MIN	4.55'	3.13'	2.37'	1.58'	2.37'	1.58'
HEAT DISPERSION AT 65°C	KWH/24H	1.48	1.48	1.48	1.48	1.35	1.35
MAX WORKING PRESSURE	BAR	8	8	8	8	8	8
MAX WORKING TEMPERATURE	°C	75	75	75	75	75	75
WEIGHT	KG	22	22	22	22	22	22
CLASS	IP	IPX1	IPX1	IPX1	IPX1	IPX3	IPX3
CODE (UAE)		3201522		3201981		3201978	
CODE		3201920	3201831	3201813	3201826	3201811	

#### 100 L - TECHNICAL DATA

		PRO1 R 80 H	PRO1 R 80 H	PRO1 R 80 H	PRO1 R 80 H	PRO1 R 80 V	PRO1 R 80 V
NOMINAL CAPACITY	L	100	100	100	100	100	100
INSTALLATION	H	H	H	H	H	V	V
SIZE	REGULAR	REGULAR	REGULAR	REGULAR	REGULAR	REGULAR	REGULAR
POWER	KW	0.8	1.2	1.5	3	1.5	2
VOLTAGE	V	220 - 240	220 - 240	220 - 240	230	220 - 240	230
HEATING TIME (ΔT=45°C)	H.MIN	6.13'	4.08'	3.13'	1.40'	3.13'	2.30'
HEAT DISPERSION AT 65°C	KWH/24H	1.65	1.65	1.65	1.65	1.56	1.56
MAX WORKING PRESSURE	BAR	8	8	8	8	8	8
MAX WORKING TEMPERATURE	°C	75	75	75	75	75	75
WEIGHT	KG	26	26	26	26	26	26
CLASS	IP	IPX1	IPX1	IPX1	IPX1	IPX3	IPX3
CODE (UAE)		3201536	3201542	3201982		3201979	
CODE				3201832	3201935	3201828	3201812

Wattage LIMITATIONS For SIMULTANEOUS OPERATION	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W	Yes	Yes	Yes	Yes	Yes	Yes	No
2000W	No	Yes	Yes	Yes	Yes	Yes	No
2500W	No	Yes	Yes	Yes	Yes	Yes	Yes
3000W	No	Yes	Yes	Yes	Yes	Yes	Yes
3500W	No	Yes	Yes	Yes	Yes	Yes	Yes
4000W	No	Yes	Yes	Yes	Yes	Yes	Yes
4500W	No	Yes	Yes	Yes	Yes	Yes	Yes
5000W	No	Yes	Yes	Yes	Yes	Yes	Yes
5500W	No	No	No	No	No	No	No
6000W	No	No	No	No	No	No	No

VOLTAGE LIMITATIONS FOR NON-SIMULTANEOUS OPERATION	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W	Yes	Yes	Yes	Yes	Yes	Yes	No
2000W	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2500W	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3000W	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3500W	No	Yes	Yes	Yes	Yes	Yes	Yes
4000W	No	Yes	Yes	Yes	Yes	Yes	Yes
4500W	No	Yes	Yes	Yes	Yes	Yes	Yes
5000W	No	Yes	Yes	Yes	Yes	Yes	Yes
5500W	No	Yes	Yes	No	No	No	No
6000W	No	Yes	Yes	No	No	No	No

### GENERAL

All models ETL listed.



All water connections, 3/4" (19mm) npt, except m-i-120r, 1" (25 mm) npt.



All electrical connections, 3/4" (19mm), all models certified at 300 psi test pressure (2068 kpa), 150 psi working pressure (1034 kpa).



Change suffix number "6" to "10" for warranty identification. dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



Suitable for water (potable) heating and space heating.



Toxic chemicals, such as those used for boiler treatment, shall never be introduced into this system.



This unit may never be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.



### BUILT FOR PERFORMANCE. TRUSTED FOR COMFORT.

WALES ELECTRIC WATER HEATERS combine engineering precision with durable construction to deliver safe, efficient, and long-lasting hot water solutions. Ideal for residential and commercial projects across the UAE.

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service hours: 8am – 11pm

Reliable Solutions. Lasting Comfort.