



E SERIES VITREOUS ENAMEL HEAVY DUTY STORAGE ELECTRIC

FOR SMALL TO LARGE
APPLICATIONS



ELECTRIC



MADE IN
AUSTRALIA



18
KILOWATTS

UP TO
18kW



HIGH
PRESSURE

**Designed for large scale
commercial applications.**

BUILT TO LAST

Made from a special grade of steel, lined with heavy duty vitreous enamel.

NEVER LOSE PRESSURE

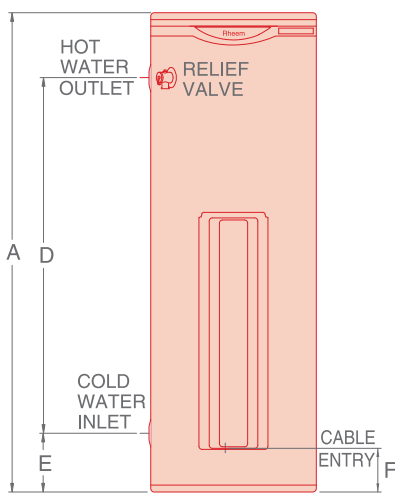
Heavy Duty Electric uses true multipoint operation through large 32 mm connections with no exchange coils to restrict pressure or flow.

MORE KEY FEATURES

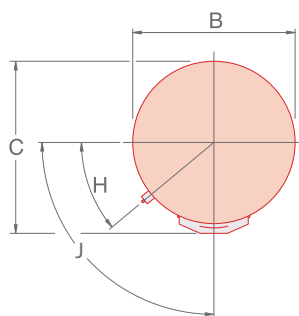
- Suitable for either indoor or outdoor installation
- Up to 18kW providing plenty of hot water
- Built-in Trade adjustable thermostats



*Conditions Apply: For full terms and conditions please contact Rheem or visit www.rheem.com.au/rheem/help/Warranties



Side view



Plan view

TECHNICAL ELECTRIC PERFORMANCE DETAILS

Heating Elements		3 x 3.6kW	3 x 4.8kW	3 x 6.0kW
Total Input	kW	10.8	14.4	18.0
Current (per phase)	Amps	15	20	25
Litres Recovery Per Hour at Rise of	20°C	460	620	770
	30°C	310	410	520
	40°C	230	310	390
	50°C	190	250	310
	60°C	150	210	260
	65°C	140	190	240
	70°C	130	180	220
	75°C	120	170	210

NOTE: Figures rounded to the nearest 10 litres.

COMES ON STEADY, HOT AND STRONG

INSTALL A





E SERIES VITREOUS ENAMEL HEAVY DUTY STORAGE ELECTRIC

TECHNICAL DATA

DIMENSIONS AND TECHNICAL DATA TABLE INDOOR/OUTDOOR MODELS				
Model			653 050	653 315
Storage Capacity		Litres	60	325
Delivery Rating		Litres	50	315
Dimensions	A	mm	675	1640
	B	mm	436	638
	C	mm	476	678
	D	mm	405	1294
	E	mm	90	128
	F	mm	80	130
	H	Degrees	30°	32°
	J	Degrees	90°	90°
Weight – Empty		kg	34	96
Inlet/Outlet Connections (BSPF)			RP1 $\frac{1}{4}$	RP1 $\frac{1}{4}$
T&PR Valve Connection (BSPF)			RP $\frac{3}{4}$	RP $\frac{3}{4}$
T&PR Valve Setting		kPa	1000	1000
Expansion Control Valve (ECV) ¹ Setting		kPa	850	850
Max. Water Supply Pressure without ECV ¹ fitted		kPa	800	800
		kPa	680	680
Factory Thermostat Setting		°C	70	70
Min. Thermostat Setting		°C	60	60
Manifold – Min. Centre to Centre		mm	685	890
Electrical Connection				
415V			Three phase	Three phase
Heating Elements		kW	3 x 3.6	3 x 3.6
		or	3 x 4.8	3 x 4.8
		or	–	3 x 6.0

¹ Expansion control valve not supplied with the water heater.

APPROXIMATE DAILY ENERGY CONSUMPTION			
Daily Hot Water Usage @ 50°C Temp Rise (Litres)	Energy Content of Hot Water (kWh)	RHEEM COMMERCIAL ELECTRIC WATER HEATERS Approximate Energy Used Per Day (kWh)	
Model		653 050	653 315
0	0.0	1.8	3.1
50	2.9	4.7	6.0
100	5.8	7.6	8.9
150	8.7	10.5	11.8
200	11.6	13.4	14.7
250	14.5	16.3	17.6
300	17.4	19.2	20.5
350	20.3	22.1	23.4
400	23.3	25.1	26.4
450	26.2	28.0	29.3
500	29.1	30.9	32.2
600	34.9	36.7	38.0
700	40.7	42.5	43.8
800	46.5	48.3	49.6
900	52.3	54.1	55.4
1000	58.1	59.9	61.2
1250	72.7	74.5	75.8
1500	87.2	89.0	90.3
1750	101.7	103.5	104.8
2000	116.3	118.1	119.4
2500	145.3	–	148.4

PERFORMANCE DATA										
Model	No. of Units in Parallel	Initial Delivery (Litres)	Heating Elements (kW)	Total Kilowatts	Available Litres of Hot Water at 50°C Temperature Rise Over Peak Period					
					1 Hour	2 Hours	3 Hours	4 Hours	6 Hours	8 Hours
653 050	1	50	3 x 3.6	10.8	240	420	610	790	1160	1540
			3 x 4.8	14.4	300	550	790	1040	1540	2030
653 315	1	315	3 x 3.6	10.8	500	690	870	1060	1430	1800
			3 x 4.8	14.4	560	810	1060	1310	1800	2300
			3 x 6.0	18.0	620	930	1240	1550	2170	2790
	2	630	3 x 3.6	21.6	1000	1370	1740	2120	2860	3600
			3 x 4.8	28.8	1130	1620	2120	2610	3600	4590
			3 x 6.0	36.0	1250	1870	2490	3110	4350	5580
	3	945	3 x 3.6	32.4	1500	2060	2620	3170	4290	5400
			3 x 4.8	43.2	1690	2430	3170	3920	5400	6890
			3 x 6.0	54.0	1870	2800	3730	4660	6520	8380
Model	No. of Units in Parallel	Initial Delivery (Litres)	Heating Elements (kW)	Total Kilowatts	Available Litres of Hot Water at 65°C Temperature Rise Over Peak Period					
					1 Hour	2 Hours	3 Hours	4 Hours	6 Hours	8 Hours
653 050	1	50	3 x 3.6	10.8	190	340	480	620	910	1190
			3 x 4.8	14.4	240	430	620	810	1190	1570
653 315	1	315	3 x 3.6	10.8	460	600	740	890	1170	1460
			3 x 4.8	14.4	510	700	890	1080	1460	1840
			3 x 6.0	18.0	550	790	1030	1270	1740	2220
	2	630	3 x 3.6	21.6	920	1200	1490	1770	2340	2920
			3 x 4.8	28.8	1010	1390	1770	2150	2920	3680
			3 x 6.0	36.0	1110	1580	2060	2540	3490	4440
	3	945	3 x 3.6	32.4	1370	1800	2230	2660	3520	4370
			3 x 4.8	43.2	1520	2090	2660	3230	4370	5520
			3 x 6.0	54.0	1660	2370	3090	3800	5230	6660

NOTE: Figures rounded to the nearest 10 litres.



Rheem Australia Pty Ltd

Head Office

1 Alan Street Rydalmere NSW 2116 Australia

Postal

PO Box 7508 Silverwater NSW 2128 Australia

Rheem Commercial Sales call 132 552

Rheem Service call 131 031

www.rheem.com.au

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