

Technical Performance and Specification Data - Fiche

Kingspan Albion Ultrasteel & Aerocyl Unvented Hot Water Cylinders With External Thermal Expansion



Cap (L)	ERP Codes	Energy RaAUing	Standing Loss (W)	Total Height	Weight Empty (kg)	Weight Full (kg)	Weight Full (kg) with Pre Plumb	Capacity (Litre)	Heat-up AUlme (Minutes)	Heat Loss (kW/24Hr)	Pressure Drop	Product specifics					
Direct unvented hot water cylinders												AEC - kWh/Y	Load Profile	Efficiency %			
120	AUI120ERP	B	50	933	30	153.8	N/A	123.8	113.75	1.19	N/A	1222	M	34.9 [‡]			
150	AUI150ERP	C	68	1120	35	189.6	N/A	154.6	126.87	1.62	N/A	2628	L	38.96 [‡]			
210	AUI210ERP	C	73	1496	45	210.4	N/A	215.4	152.71	1.76	N/A	2672	L	38.3 [‡]			
250	AUI250ERP	C	91	1746	50	305.7	N/A	255.7	169.86	2.19	N/A	2669	L	38.4 [‡]			
Indirect unvented hot water cylinders & Pre-Plumb variants												Indirect Coil Surface Area	Indirect Coil Capacity (Litre)	Indirect Coil (kW RaAUing)			
90	AUI90ERP	C	49	761	30	117.9		87.9	18.18	1.18	0.16	0.67	3.69	17.98			
120	AUI120ERP, AUI120P4ERP, AUI120PT4ERP	B	50	933	35	155.1	175.1	120.1	23.85	1.19	0.14	0.67	3.69	18.49			
150	AUI150ERP, AUI150P4ERP, AUI150PT4ERP	C	68	1120	35	185.4	205.4	150.4	27	1.62	0.16	0.77	4.22	19.72			
180	AUI180ERP, AUI180P4ERP, AUI180PT4ERP	C	69	1308	45	225.6	235.6	180.6	32.5	1.66	0.15	0.77	4.22	20.17			
210	AUI210ERP, AUI210P4ERP, AUI210PT4ERP	C	73	1496	50	260.6	270.6	210.6	35.15	1.76	0.17	0.86	4.75	21.35			
250	AUI250ERP, AUI250P4ERP, AUI250PT4ERP	C	91	1746	55	305.9	315.9	250.9	40.62	2.19	0.17	0.86	4.75	22.4			
300	AUI300ERP, AUI300P4ERP, AUI300PT4ERP	C	87	2059	60	360.3	370.3	300.3	51.77	2.09	0.16	0.86	4.75	21.43			
Horizontal Indirect unvented hot water cylinders												Indirect Coil Surface Area	Indirect Coil Capacity (Litre)	Indirect Coil (kW RaAUing)			
180	AUIH180ERP	C	72	1330	60	238	N/A	178	32.5	1.72	0.16	0.67	3.69	18.48			
210	AUIH210ERP	C	76	1518	65	269.6	N/A	204.6	35.15	1.83	0.16	0.86	4.75	19.75			
250	AUIH250ERP	C	89	1768	70	317	N/A	247	40.62	2.12	0.17	0.86	4.75	20.68			
300	AUIH300ERP	C	88	2059	75	375.3	N/A	300.3	51.77	2.11	0.17	0.86	4.75	21.43			
Slimline Indirect unvented hot water cylinders												Indirect Coil Surface Area	Indirect Coil Capacity (Litre)	Indirect Coil (kW RaAUing)			
90	AUI90SLMERP	C	55	1091	36	137	N/A	101	21.18	1.32	0.16	0.66	3.66	17.41			
120	AUI120SLMERP	C	58	1279	44	167	N/A	123.2	25.92	1.38	0.14	0.66	3.66	17.15			
150	AUI150SLMERP	C	65	1467	52	196	N/A	144	26.82	1.57	0.16	0.76	4.19	19.9			
180	AUI180SLMERP	C	73	1717	60	232	N/A	172.1	33	1.76	0.15	0.76	4.19	19.69			
210	AUI210SLMERP	C	87	2030	68	276	N/A	207.5	42.35	2.09	0.17	0.76	4.19	18.02			
Heat Pump Only unvented hot water cylinders												Indirect Coil Surface Area	Indirect Coil Capacity (Litre)	Indirect Coil (kW RaAUing)			
150	HP150ERP	C	68	1120	45	195	N/A	150	N/A*	1.62	0.16	0.77	4.22	19.72			
180	HP180ERP	C	69	1308	50	230	N/A	180	N/A*	1.66	0.15	0.77	4.22	20.17			
210	HP210ERP	C	73	1496	54	264	N/A	210	N/A*	1.76	0.17	0.86	4.75	21.35			
250	HP250ERP	C	91	1746	59	306	N/A	250	N/A*	2.19	0.17	0.86	4.75	22.4			
300	HP300ERP	C	87	2059	68	368	N/A	300	N/A*	2.09	0.16	0.86	4.75	21.43			
Solar twin coil unvented hot water cylinders & Pre-Plumb variants												Dedicated Solar Volume (Litre)	Solar Coil Surface Area	Solar Coil Capacity	Solar Coil (kW RaAUing)	Indirect Coil Surface Area	Indirect Coil Capacity (Litre)
180	AUSI180ERP	C	69	1308	60	228	238	178	35.75	1.66	0.15	53.6	0.67	3.69	18.48	0.67	3.69
210	AUSI210ERP	C	73	1496	65	259.6	269.6	204.6	35.42	1.76	0.17	51.8	0.77	4.22	19.75	0.86	4.75
250	AUSI250ERP	C	91	1746	70	307	317	247	40.5	2.19	0.17	92.2	0.77	4.22	20.68	0.86	4.75
300	AUSI300ERP	C	87	2059	75	360.6	370.6	295.6	48.38	2.46	0.16	79.3	0.86	4.75	22.08	0.86	4.75
Solar single coil unvented hot water cylinders												Dedicated Solar Volume (Litre)	Solar Coil Surface Area	Solar Coil Capacity	Solar Coil (kW RaAUing)	Indirect Coil Surface Area	Indirect Coil Capacity (Litre)
180	AUSD180ERP	C	69	1308	60	228	238	178	35.75	1.66	0.15	53.6	0.67	3.69	18.48	0.67	3.69
210	AUSD210ERP	C	73	1496	65	259.6	269.6	204.6	35.42	1.76	0.17	51.8	0.77	4.22	19.75	0.86	4.75
250	AUSD250ERP	C	91	1746	70	307	317	247	40.5	2.19	0.17	92.2	0.77	4.22	20.68	0.86	4.75
300	AUSD300ERP	C	87	2059	75	360.6	370.6	295.6	48.38	2.46	0.16	79.3	0.86	4.75	22.08	0.86	4.75
Heat Pump & Solar unvented hot water cylinders												Dedicated Solar Volume (Litre)	Solar Coil Surface Area	Solar Coil Capacity	Solar Coil (kW RaAUing)	Indirect Coil Surface Area	Indirect Coil Capacity (Litre)
180	HPS180ERP	C	69	1308	58	238	N/A	180	N/A*	1.66	0.15	53.6	0.67	3.69	18.48	0.67	3.69
210	HPS210ERP	C	73	1496	59	269	N/A	210	N/A*	1.76	0.17	51.8	0.77	4.22	19.75	0.86	4.75
250	HPS250ERP	C	91	1746	65	315	N/A	250	N/A*	2.19	0.17	92.2	0.77	4.22	20.68	0.86	4.75
300	HPS300ERP	C	87	2059	77	377	N/A	300	N/A*	2.09	0.16	79.3	0.86	4.75	22.08	0.86	4.75

All Cylinders

15 dB

3 Bar

Max design pressure DHW

Insulation Thickness
50 mm

3.5 Bar

Max primary coil pressure

Service Every
12 Months

Recommended
60°
Stored Water
Temperature

Recommended Minimum Input
25 L.P.M.
@
1.5 Bar

* Refer to Heat Pump manufacturers installation instructions for your model and system configuration

‡ Smart immersion heater controller installed