

Technical Data

Dorchester DR-LA & DR-LP Performance and General Data Information

Models		DR-LA/LP 30	DR-LA/LP 40	DR-LA/LP 45	DR-LA/LP 60	DR-LA/LP 75	DR-LA/LP 95	DR-LA 110
Continuous output with 44°C Δt	l/h UK gal/h	620 136	819 180	964 212	1197 263	1425 313	1836 404	2103 463
Continuous output with 50°C Δt	l/h UK gal/h	545 120	721 159	848 187	1053 232	1254 276	1614 355	1851 407
Storage capacity	litres UK gal	324 71	374 82	312 69	351 77	291 64	265 58	264 58
Time to recover storage 44°C Δt	mins	31	27	19	17	12	8	7
Time to recover storage 50°C Δt	mins	36	31	22	20	14	10	8
Output maximum	kW	31.7	41.9	49.3	61.2	72.9	93.9	107.6
	btu/h (x1000)	108	143	168	209	249	320	367
Input (gross) maximum	kW	41.4	55.4	65.2	81.0	96.4	124.2	140.6
	btu/h (x1000)	141	189	222	276	329	424	480
Input (nett) maximum	kW	37.3	49.9	58.7	72.9	86.8	111.8	126.6
	btu/h (x1000)	127	170	200	249	296	381	432
Maximum water pressure	bar	8						
Gas flow rate natural gas (G20) – Maximum	m³/h	4.0	5.4	6.3	8.2	9.4	12.1	14.0
Gas flow rate propane (G31) - Maximum	m³/h	1.4	2.0	2.4	3.0	3.4	4.3	4.9
Nominal gas inlet pressure natural gas (G20)	mbar	20						
Maximum gas inlet pressure natural gas (G20)	mbar	25						
Maximum flue gas temperature	°C	180	200	200	180	180	200	185
Water flow and inlet connection	in	1½" Rp						
Gas connection	in	¾" Rp						1" Rp
Drain connection	in	1½" Rp						
T & P Valve connection	in	1" NPT				1½" Rp		
Draught diverter spigot ID horizontal connection	mm	150			180		225	
Draught diverter spigot ID angled connection	mm	150		180		225		
Nominal supply voltage		230V, 1Ph, 50Hz						
Approx. shipping weight	kg	214	242	230	259	265	291	350