

Exhaust Gas Heat Exchangers

Product Range

The figures given in the table below are typical examples of the performance of Bowman exhaust gas heat exchangers (EGHE) and are intended only as a general guide. They are based on a natural gas engine with an air/fuel ratio of 10.23: 1 by volume, a fuel consumption of 0.34 m³/kWh (measured at 1.013 bar and 15°C) and an exhaust gas inlet temperature of 600°C with a water inlet of 80°C.



Type	Typical Engine Power	Exhaust Gas Flow	Exhaust Gas Outlet Temp	Heat Recovery	Exhaust Gas Pressure Drop
	kW	kg / min	°C	kW	kPa
2-25-3737-4	16	1.2	210	9.5	1.6
2-32-3737-5	16	1.2	170	11.5	1.8
3-32-3738-5	32	2.4	198	19	1.2
3-40-3738-6	32	2.4	163	21	1.3
3-60-3738-8	32	2.4	116	23	1.6
4-32-3739-5	60	4.5	199	36	1.0
4-40-3739-6	60	4.5	164	39	1.2
4-60-3739-8	60	4.5	116	43	1.4
5-32-3740-5	90	6.7	195	55	1.0
5-40-3740-6	90	6.7	161	59	1.1
5-60-3740-8	90	6.7	115	65	1.4
6-32-3741-5	140	10.5	197	85	1.0
6-40-3741-6	140	10.5	163	92	1.2
6-60-3741-8	140	10.5	117	101	1.4
8-32-3742-5	250	18.7	199	151	1.0
8-40-3742-6	250	18.7	164	163	1.2
8-60-3742-8	250	18.7	117	180	1.4
10-32-3743-5	400	30.0	200	241	1.1
10-40-3743-6	400	30.0	164	262	1.2
10-60-3743-8	400	30.0	116	289	1.4
12-32-3744-5	600	45.0	199	362	1.1
12-40-3744-6	600	45.0	164	392	1.2
12-60-3744-8	600	45.0	117	432	1.5
15-32-5745-5	950	70.0	200	563	1.0
15-40-5745-6	950	70.0	165	610	1.1
15-60-5745-8	950	70.0	116	673	1.4

For larger sizes contact our sales department.

Maximum working gas side pressure 0.5 bar. Maximum working water side pressure 4 bar

Maximum working gas side temperature 700°C. Maximum working water side temperature 110°C

European Pressure Equipment Directive

This range of products fall within Article 3 Paragraph 3. (Sound Engineering Practice) and do not require CE marking

100kPa = 1 bar