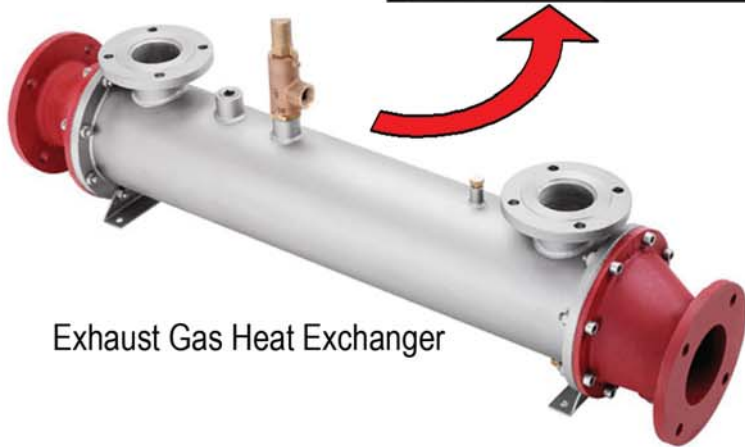


# Combined Heat & Power

# BOWMAN®

**Have you considered C H P for your Generator Sets?**



Exhaust Gas Heat Exchanger



Header Tank Unit

- **Bowman units when fitted provide FREE HEATING & HOT WATER**
- **Bowman units can reclaim up to 60% of lost heat from the engine**
- **Suitable for use with engines powered by conventional & alternative fuels**
- **Fully welded stainless steel construction for reliability and durability**
- **Bowman units contribute towards Government Green Initiatives**
- **Recover even more waste heat with Bowman Oil, Fuel & Charge air Coolers**

● **RAPID DELIVERY from extensive stock levels**

**For more information contact: -**

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BS EN ISO 9001:2008  
Reg. No. FM38224

# Exhaust Gas Heat Exchanger Performance Table

Type	Gen Set rating		Performance		
	Engine power kW	Exhaust gas flow kg/min	Exhaust gas outlet temp °C	Heat recovery kW	Exhaust gas pressure drop kPa
2-25-3777-4	16	1.2	210	9.5	2.4
2-32-3777-5	16	1.2	170	10.5	2.8
3-32-3738-5	32	2.4	210	19	2.4
3-40-3738-6	32	2.4	170	21	2.8
3-60-3738-8	32	2.4	120	23	3.4
4-32-3739-5	60	4.5	210	35	2.2
4-40-3739-6	60	4.5	170	39	2.4
4-60-3739-8	60	4.5	120	43	3.0
5-32-3740-5	90	6.7	210	52	2.1
5-40-3740-6	90	6.7	170	57	2.4
5-60-3740-8	90	6.7	120	65	2.9
6-32-3741-5	140	10.5	210	82	2.2
6-40-3741-6	140	10.5	170	90	2.4
6-60-3741-8	140	10.5	120	101	3.0
8-32-3742-5	250	18.7	210	147	2.3
8-40-3742-6	250	18.7	170	160	2.5
8-60-3742-8	250	18.7	120	181	3.0
10-32-3743-5	400	30.0	210	236	2.4
10-40-3743-6	400	30.0	170	256	2.6
10-60-3743-8	400	30.0	120	288	3.1
12-32-3744-5	600	45.0	210	353	2.3
12-40-3744-6	600	45.0	170	380	2.5
12-60-3744-8	600	45.0	120	425	3.1

For larger sizes contact our sales department.

100kPa-1 bar

## Combined Heat Recovery Performance Table

Type	Gen Set rating kva	Jacket Water kW	Engine Oil kW	Charge Air Cooler kW	Exhaust Gas kW	Total Reclaimed Energy with Exhaust Gas fitted
2"	16	5	2	2.5	11.5	20.5
3"	32	10	4	5	23	41
4"	60	18	7	9	43	77
5"	90	27	10	14	65	115
6"	140	42	15	21	101	179
8"	250	75	28	38	181	321
10"	400	120	44	60	288	512
12"	600	180	66	90	425	761

\* Above figures are used as a guide only, optimized design available on request.

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