

## Charge Air Coolers

### performance table

The tables below show the performance characteristics that can be achieved from our Charge Air Coolers in either marine or land based operation.



### Marine

Type	Charge Air Flow (kg/min)	Pressure Drop (kpa)	Water Flow (lit/min)	Pressure Drop (kpa)	Heat Rejection (kW)	Engine Power (kW)
EC140-4218-4	2.5	2.2	30	10	6.5	50
FC100-4074-2	4.3	3.1	50	8	11.2	90
FG100-4075-2	9.8	5.4	80	12	25.4	190
GL140-4076-2	15.4	7.4	140	12	40	300
GK190-4877-3	20.3	9.6	180	11	52	350
JK190-4078-3	30.1	9.4	270	12	65	500
PK190-4079-3	40.3	8.6	400	12	100	800

### Land

Type	Charge Air Flow (kg/min)	Pressure Drop (kpa)	Water Flow (lit/min)	Pressure Drop (kpa)	Heat Rejection (kW)	Engine Power (kW)
EC140-4217-4	2.5	2.2	30	10	6.5	50
FC100-5174-2	4.3	3.1	50	8	11.2	90
FG100-5175-2	9.8	5.4	80	12	25.4	190
GL140-5176-2	15.4	7.4	140	12	40	300
GK190-5177-3	20.3	9.6	180	11	52	350
JK190-5178-3	30.1	9.4	270	12	65	500
PK190-5179-3	40.3	8.6	400	12	100	800

The above figures are based on air temperature from 180°C to 50°C at 1.75 bar g, using water temperature at 20°C. Maximum air inlet temperature is 250°C. For higher air temperatures please contact the sales department. Bowman charge air coolers must not be operated without adequate water flow and must be mounted so that the water outlet is uppermost.