

Air to Water Intercoolers

Alfa air to water intercoolers are ideal for cooling marine engines as well as various land based engines such as gensets, co-generation equipment and fire pumps. They are also suitable for facilitating engine test and development programs. Additional air to water intercoolers designed for specific engines are also available; please see the website or contact the sales department for further information.

I Standard range for engines up to 650kW.

I Improve fuel efficiency and enhance engine performance by cooling turbo charged air.

Readily available from stock through our global network of stockists.

Available in materials suitable for cooling with fresh or salt water.

Design Parameter:

Maximum working pressure on air side:

20bar, 25bar, 35 bar

Maximum working pressure on water side:

20 bar, 25 bar, 35 bar

Design temperature: 120°C, 150°C, 200°C,

We produce customized applications on different working pressure and temperature.



Performance details

Type	Engine Power		Charge Air Flow	Pressure Drop	Water Flow	Pressure drop	Heat Rejection
	kW	HP					
EC140-C	65	86	2.5	12.5	60	25.3	8
FC100-C	110	146	6.7	7.5	100	24.3	15
FG100-C	190	253	11	9.3	130	25.6	25
GL140-C	240	320	14	9.4	160	13.9	32
GK190-C	370	493	21	12.6	180	9.7	48
JK190-C	650	866	35	15.0	220	8.2	85

Note:

1. 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.

2. Maximum Air Inlet temperature 200°C.

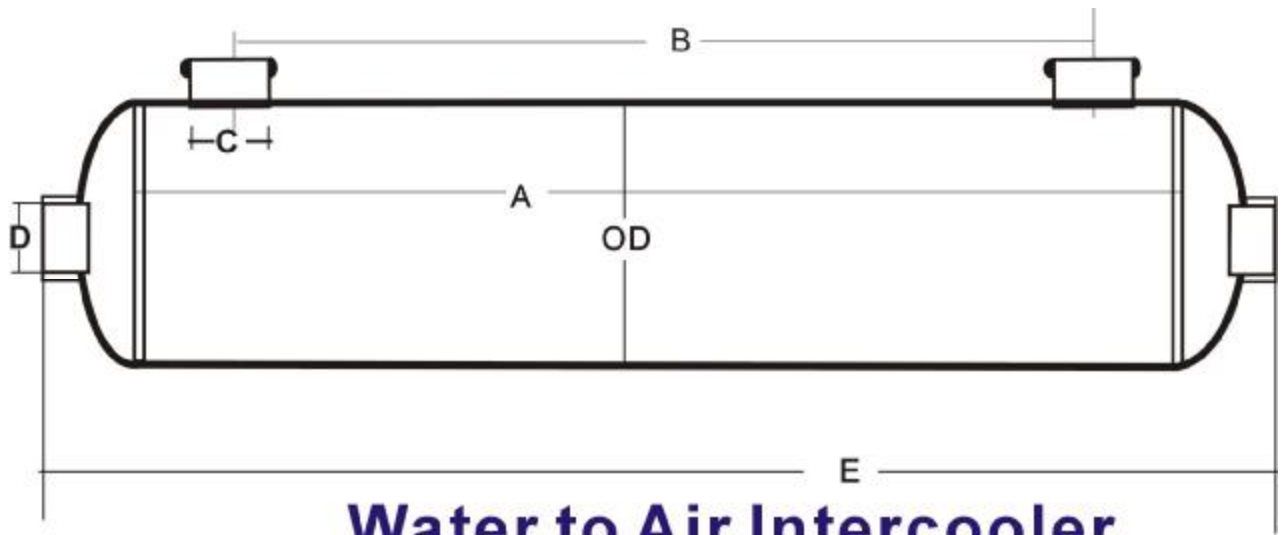
Specification and dimension of oil coolers

	OD(mm)	A(mm)	B(mm)	C(mm)	D(BSP)	E(mm)	Mounting Bolt
EC140-C	89	396	320	50	3/4"	496	
FC100-C	108	286	210	50	1"	386	M8 X 100X
FG100-C	133	396	298	65	1 1/4"	536	76mm
GL140-C	159	396	298	65	1 1/2"	536	M12X100X15
GK190-C	200	486	366	BSP3"	2"	626	0mm
JK190-C	230	486	346	Flange 100	2 1/2"	626	

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Water to Air Intercooler