



INTERCOOLER CORES

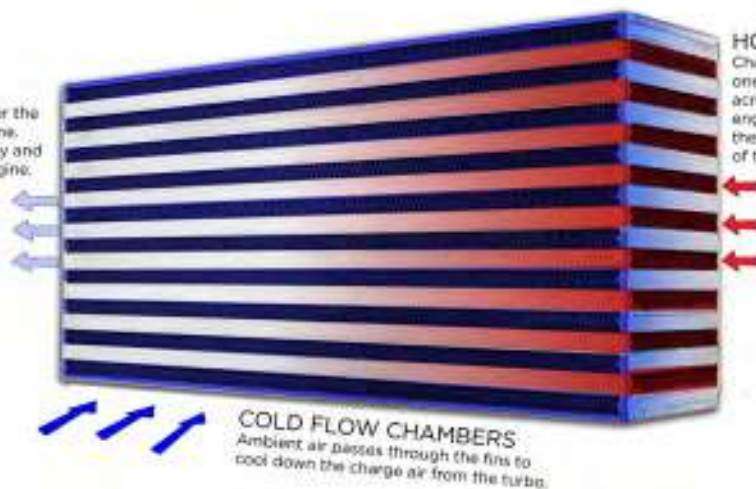
CHARGE AIR COOLERS

Utilizing advanced thermal technology, Garrett intercoolers offer superior fatigue protection for the high boost pressures and temperatures of today's extreme engines. With over 75 years of charge air cooler experience, Garrett remains ahead of the industry in intercooler design and function making it the number one choice for some of the premier names in the performance car industry - Roush, Saleen, Mercedes-Benz AMG, Ford SVT, GM, and McLaren have all turned to Garrett to cool their hottest models.

We now offer this expertise and quality to enthusiasts, in a full range of intercooler cores that are manufactured in-house by Garrett technicians. The bar and plate construction offers hi-performance, in a compact design using high strength vacuum brazed aluminum alloys with advanced fin designs to ensure greater heat transfer effectiveness and durability. From air-to-air cores sized for sport compact cars to air-to-liquid cores capable of supporting 1000+ hp, we can provide optimum performance for nearly any application.

CHARGE AIR DENSITY

Charge air coolers are used to lower the temp of the air going into the engine. Lower air temps increase air density and allow more oxygen to enter the engine.



HOT FLOW CHAMBERS

Charge air from the turbo enters through one side of the hot flow chambers and across the core to the other, then into the engine. As hot charge air flows through the core it is cooled by the ambient flow of the cold chambers.

COLD FLOW CHAMBERS

Ambient air passes through the fins to cool down the charge air from the turbo.





Part Number	Model	Supported Horsepower	Length Hot Flow		Height No Flow		Width Cold Flow	
			(in)	(mm)	(in)	(mm)	(in)	(mm)
* 848054-6012	Air / Air	300	10.2	260	8.1	205	4.7	120
703518-6015	Air / Air	310	18.0	457	6.4	163	3.0	76
703521-6003	Air / Air	375	10.0	254	12.3	312	4.5	114
703518-6016	Air / Air	410	18.0	457	8.0	203	3.0	76
703520-6025	Air / Air	425	18.0	457	8.0	203	3.5	89
* 848054-6013	Air / Air	450	13.5	343	8.6	219	5.5	140
703518-6018	Air / Air	475	24.0	610	6.4	163	3.0	76
703520-6009	Air / Air	500	24.0	610	6.4	163	3.5	89
703518-6017	Air / Air	510	18.0	457	10.5	267	3.0	76
703520-6002	Air / Air	550	14.0	356	12.1	307	3.5	89
848054-6004	Air / Air	600	21.0	533	5.4	137	5.3	135
848054-6024	Air / Air	600	13.0	330	10.2	259	4.0	102
487085-6002	Air / Air	600	20.1	511	11.2	284	3.0	76
703520-6010	Air / Air	600	24.0	610	8.0	203	3.5	89
893513-6001	Air / Air	660	27.5	699	6.2	157	3.5	89
* 848054-6037	Air / Air Vertical Flow	750	8.0	203	24.0	609	3.5	89
* 858893-6001	Air / Air	750	9.0	229	22.1	560	4.0	102
848054-6015	Air / Air	750	21.0	533	9.4	239	5.3	135
703518-6004	Air / Air	750	18.0	457	12.1	307	3.0	76
703522-6008	Air / Air	750	18.0	457	11.2	284	4.5	114
703522-6004	Air / Air	785	18.0	457	12.1	307	4.5	114
848054-6020	Air / Air	800	26.3	668	7.8	198	4.3	109
703520-6011	Air / Air	800	24.0	610	10.5	267	3.5	89
848054-6005	Air / Air	800	13.1	333	8.6	218	5.0	127
848054-6001	Air / Air	870	20.0	508	12.5	318	3.5	89
703518-6005	Air / Air	900	24.0	610	12.1	307	3.0	76
703520-6005	Air / Air	925	24.0	610	12.1	307	3.5	89
848054-6021	Air / Air	950	26.8	681	10.4	264	4.0	102
703522-6005	Air / Air	950	24.0	610	12.1	307	4.5	114
486827-6002	Air / Air	1000	23.7	602	12.0	305	3.8	97
* 848054-6039	Air / Air Vertical Flow	1100	12.0	305	22.4	568	4.5	114
848054-6003	Air / Air	1140	22.0	559	14.0	356	4.5	114
701596-6001	Air / Air	1260	27.8	706	12.7	323	5.1	130
* 858893-6003	Air / Air	1275	14.0	356	22.1	561	4.5	114

* New Cores

Part Number	Model	Supported Horsepower	Length Hot Flow		Height No Flow		Width Cold Flow	
			(in)	(mm)	(in)	(mm)	(in)	(mm)
717874-6009	Air / Liquid	500	3.8	97	3.8	97	9.8	249
717874-6008	Air / Liquid	750	3.8	97	3.8	97	11.7	297
873213-6002	Air / Liquid	980	7.2	183	3.6	91	9.8	249
734408-6005	Air / Liquid	1000	4.8	122	4.5	114	11.9	302