

## A TURN AHEAD OF THE COMPETITION

G SERIES PERFORMANCE TURBOCHARGERS

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**GARRETT® G42 TURBOCHARGERS**

**G42-1200 COMPACT | G42-1200 | G42-1450**

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# A TURN AHEAD OF THE COMPETITION

Garrett® G Series 42 turbochargers offer enthusiasts a new range of quick spooling, high horsepower solutions for 2.0 liter up to 8.0 liter engine platforms. The G42-1200 Compact, G42-1200, and G42-1450 turbochargers produce up to 1450 horsepower thanks to the ten blade, forged, fully-machined G Series compressor wheel with high flowing aero. These low inertia compressor wheels are smaller in size and weight resulting faster boost response. (compared to GTX42)

Garrett® G42-1200 is available in standard V-band, and compact compressor housing options. The V-band compressor housing is outline interchangeable with GTX42 while the new Compact option is 4mm shorter axially and 29mm smaller radially (FigA).

The G Series turbine wheel features all new aerodynamics to improve flow and boost response. New turbine aero wheel flows 10% more and has peak efficiency of 77% (Compared to GTX42 at 74% with 1.01A/R). Engineered with inconel super alloy to withstand operating temperatures up to 950C. Stainless steel turbine housings are available with V-band inlet and outlet connections in free float mono-scroll options. Divided, free float, T4 turbine housings will be available in 2019.

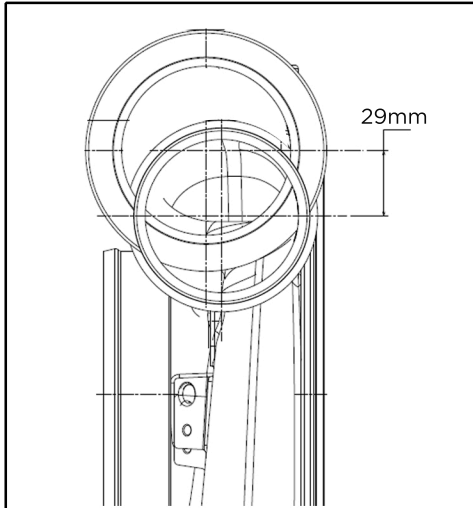


Fig A: G42-1200 V-band vs G42-1200 Compact comp housing. 29mm smaller radially from center of outlet to center of inlet.



Fig B: New turbine aero has a peak efficiency of 77% and flows 10% more than GTX42. Aluminum backplate helps reduce weight. -6an water fittings come installed.



Fig C: Forged fully-machined 10 blade compressor wheel with G Series aero. G42-1200 flows 109 lbs/min 1200HP. G42-1450 flows 131 lbs/min 1450HP.

	G42-1200 Compact		Compressor				Turbine		
	Disp: 2.0L-7.0L	HP: 475-1200	Inducer	Exducer	Trim	A/R	Inducer	Exducer	Trim
	Standard Rotation		73mm	91mm	65	0.90	82mm	75mm	84
	Assembly Kit Includes Super Core and Turbine Kit		Assembly Kit PN		A/R	Inlet	Outlet	Wastegate	Divided
	G42-1200		Compressor				Turbine		
	Disp: 2.0L-7.0L	HP: 475-1200	73mm	91mm	65	0.85	82mm	75mm	84
	Standard Rotation		Assembly Kit PN		A/R	Inlet	Outlet	Wastegate	Divided
	Assembly Kit Includes Super Core and Turbine Kit		879779-5001S		1.01	V-Band	V-Band	Free Float	N
	G42-1450		Compressor				Turbine		
	Disp: 2.0L-8.0L	HP: 525-1450	79mm	98mm	65	0.85	82mm	75mm	84
	Standard Rotation		Assembly Kit PN		A/R	Inlet	Outlet	Wastegate	Divided
	Assembly Kit Includes Super Core and Turbine Kit		879779-5002S		1.15	V-Band	V-Band	Free Float	N
			879779-5003S		1.28	V-Band	V-Band	Free Float	N
			879779-5007S		1.01	V-Band	V-Band	Free Float	N
			879779-5008S		1.15	V-Band	V-Band	Free Float	N
			879779-5009S		1.28	V-Band	V-Band	Free Float	N
			Compressor				Turbine		
			Inducer	Exducer	Trim	A/R	Inducer	Exducer	Trim
			79mm	98mm	65	0.85	82mm	75mm	84
			Assembly Kit PN		A/R	Inlet	Outlet	Wastegate	Divided
			879779-5013S		1.01	V-Band	V-Band	Free Float	N
			879779-5014S		1.15	V-Band	V-Band	Free Float	N
			879779-5015S		1.28	V-Band	V-Band	Free Float	N

\*Additional turbine housings coming soon. Please visit [garrettmotion.com](http://garrettmotion.com) for updates.