

REDBOOST™

SERIES TURBOCHARGERS

Garrett

ADVANCING MOTION

Garrett Internal

CORPORATE OVERVIEW

Garrett Motion is a differentiated technology leader, serving customers worldwide for more than 65 years with passenger vehicle, commercial vehicle, aftermarket replacement, and performance enhancement solutions. The company's cutting-edge technologies enable vehicles to become safer, more connected, efficient and environmentally friendly. With a comprehensive portfolio comprised of turbocharging, electric boosting, and connected vehicle solutions, Garrett empowers the global automotive industry to redefine and further advance motion.

LEADING TECHNOLOGY INNOVATOR

Garrett is a pioneer in turbocharging systems for a wide range of engine applications, including gas, diesel, and natural gas. Building on its expertise in the mechanical domain, Garrett has developed electric-boosting technologies for use in electrified powertrains, primarily hybrid and fuel cell vehicles. The company plans to launch the industry's first electric turbocharger in 2021. Garrett is today leveraging its unique capabilities and deep-seated relationships with all major OEMs to introduce automotive software solutions addressing global macro issues. The company's leading cybersecurity and integrated diagnostic and prognostic technologies help to ensure a secure and safe operating environment.

GARRETT AT A GLANCE

40
Vehicle manufacturers served globally

$3.7B
2021 Revenue

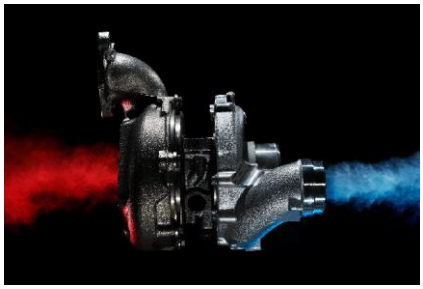
~7,500
Employees

~1,250
Engineers

5
R&D Centers

13
Manufacturing Facilities

100M+
Garrett Turbos in use Globally







WHY CHOOSE REDBOOST?

REDBOOST series is a new product line developed by Garrett® for users who prefer cost-efficiency and reliability. It is applicable to many automotive engine brands such as Komatsu, Cummins, Hyundai, MAN, Mercedes, Hitachi, Weichai Power, Sinotruck, FAW Jiefang Wuxi Diesel, DCEC, Guangxi Yuchai, etc. Manufactured by Garrett, on the same production lines as Garrett original turbos and meeting strict quality standards, the REDBOOST product line has passed performance and durability testing, providing users with trouble-free driving.





TECHNOLOGY

• Designed, developed and manufactured to Garrett standard processes

• Application specific and universal angle, compact design, direct fit installation

• Both compressor and turbine housings passed burst and containment test to ensure product safety during service life

• Applications developed to equivalent performance as original turbochargers.





- **EFFICIENCY**
- **EXCELLENT PERFORMANCE**
- **DIRECT FIT**



THREE ADVANTAGES OF TURBOCHARGING

HIGHER FUEL ECONOMY

Turbocharged gasoline engines can increase fuel efficiency by up to 20% compared with non-turbocharged gasoline engines of the same specification. Compared with non-pressurized gas engines, turbocharged diesel engines with the same rated power can increase fuel efficiency by up to 40%.

IMPROVED PERFORMANCE

Turbocharging can significantly boost engine power and torque, improving vehicle response and safety. Also, it can protect the vehicle from power loss at high altitudes, bringing significant operational benefits to turbocharged commercial on-highway and off-highway vehicles.

ENVIRONMENTALLY FRIENDLY

Turbocharging can maximize the utilization of exhaust gases from the engine, make engine combustion cleaner. It also reduces engine size without sacrificing performance, while also lowering CO2 and NOx emissions.

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Garrett P/N *	OE P/N	Application Type	Engine Code	Engine Manufacturer	Vehicle Model	Engine Displacement	Fuel Type	Emission	Frame Size	Power
884211-5001Y	4041096	Truck	L6 DCi11	DFL	DFM Truck	11	Diesel	Euro 4	GT45S	303kW
887393-5001Y	51091017024	Truck	D2866LF	MAN	TGA /TGS / TGX	12	Diesel	Euro 5	GT45S	250kW @ 2000rpm
887393-5002Y	0090961699	Truck	OM501 LA	Mercedes	Actros MP2/MP3	12	Diesel	Euro 4	GT42S	290-335kW @ 1800rpm
887393-5003Y	0070964699	Truck	OM501 LA	Mercedes	Actros 1835/2035	12	Diesel	Euro 3	GT42S	230-315kW @ 1800rpm
887037-5001Y	3800471	Truck	ISM / ISME / M11	Cummins	7600 / 9200 / FL112	11	Diesel	Euro 3	GT45S	280HP
885479-5001Y	A9240963399	Bus/Truck	OM924 LA	Mercedes	ACELO 815C/1016C ATEGO 1419/1719 / MBC01119 / 1219 / 1319 / OF1519 / XBC1621L / OF1721 / XBC 1519 / 1619LE / LO916 / OF916 / HPN1319	7.2	Diesel	Euro 5	GT2260S	228kW @ 2250rpm
852516-5008Y	282314A750	Mini Bus	28231-4A750	Hyundai	Hyundai Grand Starex	2.5	Diesel	Euro 5	GT15S	95kW / 130cv @ 3800rpm
884896-5001Y	5358740	Truck	ISGe	FTV	Truck	12	Diesel	Euro 4	GT45	295 @ 2200RPM
857478-5031Y	114400-3770	Excavator	EX200-5/EX200-6	Hitachi	Hitachi Excavator	6.4	Diesel	Tier II	TBP4	110kW @ 2100RPM
857478-5028Y	11440-3900	Excavator	6HK1	ISUZU	Excavator	7.79	Diesel	Euro 3	TBP4	184kW @ 2000 rpm
884211-5003Y	612600116173	Truck	WP12	Weichai	Truck	12	CNG	Euro 4	GT45S	
857478-5001Y	6.12601E+11	Truck	WP10	WFD	HONGYAN/OUMAN/AOLING	9.7	Diesel	CN3	TBP4	247kW @ 2200rpm
857478-5002Y	VG1560118229	Truck	WP10	CNHDC	HONGYAN/OUMAN/AOLING	9.7	Diesel	CN3	TBP4	273kW @ 2200rpm
857478-5003Y	612600118895	Truck	WP10	WFD	HONGYAN/OUMAN/AOLING	9.7	Diesel	CN3	TBP4	213kW @ 1900rpm
857478-5004Y	VG2600118896	Truck	WP10	CNHDC	HOVO	9.7	Diesel	CN3	TBP4	195kW @ 2200rpm
857478-5005Y	612601110960	Truck	WP10	WFD	Truck	9.7	Diesel	CN3	TBP4	270kW @ 1900rpm
857478-5006Y	4051033	Truck	L10	DFM	DONGFENG TIANLONG	8.9	Diesel	CN3	TBP4	275kW @ 2100rpm
857478-5007Y	1118010-610-0000J	Truck	6DL2	WXD	AOWEI	6.8	Diesel	CN3	TBP4	272kW @ 2100rpm
857478-5008Y	1118010-631-0000S	Truck	6DL2	WXD	AOWEI	6.8	Diesel	CN3	TBP4	272kW @ 2100rpm
857478-5009Y	L3002-1118100C-181	Truck	YC6L	YCM	Truck	8.4	Diesel	CN3	TBP4	206kW @ 2100rpm
857478-5010Y	3537288	Truck	C300	DFM	Truck	8.3	Diesel	CN3	TBP4	300Hp @ 2300rpm
843881-5001Y	3788177 | 3779515	Truck	ISF 3.8L	FTV	Light Commercial Vehicle	3.8	Diesel	CN4	GT17Z	125kW @ 2600rpm
843881-5002Y	3774232 | 3768010	Truck	ISF 3.8L	FTV	Light Commercial Vehicle	3.8	Diesel	CN4	GT17Z	125kW @ 2600rpm
843881-5003Y	1008200FA040	Truck	HFC4DA1-2B	JAC	Truck	2.8	Diesel	CN3	GT17Z	80kW @ 3600rpm
843881-5004Y	1118100-E03	Truck	GWM 2.8L	GWM	Pick Up	2.8	Diesel	CN3	GT17Z	68kW @ 3600rpm
843881-5005Y	2840685	Truck	ISF 2.8L	FTV	Light Commercial Vehicle	2.8	Diesel	CN4	GT17Z	120kW @ 3600rpm
857478-5013Y	612601110988	Truck	WP10	WFD	Truck	9.7	Diesel	CN3	TBP4	247kW @ 2200rpm
857478-5015Y	612601110988	Truck	WP10	WFD	Truck	9.7	Diesel	CN3	TBP4	247kW @ 2200rpm
857478-5018Y	612600118895	Truck	WP10	WFD	Truck	9.7	Diesel	CN3	TBP4	213kW @ 1900rpm
857478-5019Y	KA100-1118100-181-06	Bus/Truck	6MK	YCM	YUCHAI6M340	10.3	Diesel	CN4	TBP4	275kW @ 1900rpm
857478-5020Y	MH4E3-1118100	Bus/Truck	6MK	YCM	YUCHAI6M340	10.3	Diesel	CN4	TBP4	275kW @ 1900rpm
857478-5021Y	M11S4-1118100-135	Bus/Truck	6M	YCM	YUCHAI6M340	9.8	Diesel	CN3	TBP4	266kW @ 2100rpm
877901-5001Y	4108/4110ZQ	Light Duty Truck	YC4108/4110ZQ	Yuchai	Light Duty Truck	4	Diesel	Euro 2	GT25S	93kW @ 2800 rpm
877901-5002Y	4110/4112	Light Duty Truck	YC4110/4112	Yuchai	Light Duty Truck	3.7	Diesel	Euro 2	GT25S	93kW @ 2800 rpm
879634-5001Y	JP60S | 801818-0002	Light Duty Truck	BJ493	Foton	Light Duty Truck	2.8	Diesel	Euro 4	GT17Z	81kW @ 3600rpm
879634-5002Y	HP55Z5209-10	Light Duty Truck	YN33CRD	Yunnei	Light Duty Truck	2.8	Diesel	Euro 4	GT17Z	85kW @ 3200rpm
879634-5003Y	1118100-E4146	Light Duty Truck	D28	Yiqi Sihua	Light Duty Truck	2.8	Diesel	Euro 4	GT17Z	85kW @ 3600rpm
879634-5004Y	F3100-1118100A / FC700-1118100-502	Light Duty Truck	4F	YCM	Light Duty Truck	3	Diesel	Euro 4	GT17Z	85kW @ 3200rpm
857478-5026Y	2839319	Truck	ISDe	YCM	Truck	6.7	Diesel	Euro 4	TBP4	210kW/285HP
857478-5022Y	A20S3-1118100-502 / A3533-1118100-135	Truck	YCM 6A	YCM	Truck	7.3	Diesel	Euro 4	TBP4	191kW @ 2300rpm
857478-5024Y	J4700-1118100-LS	Truck	YC6J220-46	YCM	Truck	6.5	Diesel	Euro 4	TBP4	162kW @ 2500rpm
857478-5025Y	6743-81-8040	Excavator	SAA6D114E	Komatsu	Komatsu Excavator	8.3	Diesel	EU Stage III A	TBP4	180.5kW @ 1900rpm
857478-5023Y	4089919	Excavator	SAA6D114E-3	Komatsu	Komatsu Excavator	8.3	Diesel	EU Stage III A	TBP4	184kW @ 1950rpm
852516-5001Y	28231-4A800	Light Duty Truck	28231-4A800	Hyundai	Porter II and Bongo go 3	2.5	Diesel	Euro 5	GT15S	95kW / 130cv @ 3800rpm
884231-5001Y	4044890	Excavator	SAA6D107E-1	Komatsu	Komatsu Excavator	6.7	Diesel	EU Stage III A	TBP4	129kW @ 2000rpm
884617-5001Y	5328622 (A)	Excavator	SAA6D107E-1	Komatsu	Komatsu Excavator	6.7	Diesel	EU Stage III A	TBP4	116kW @ 2000rpm
852516-5005Y	28231-4A800	Light Duty Truck	28231-4A800	Hyundai	Bongo go 3	2.5	Diesel	Euro 5	GT15	95 kW / 130 cv @ 3800rpm
852516-5006Y	28231-4A850	Light Duty Truck	28231-4A850	Hyundai	Porter II	2.5	Diesel	Euro 5	GT15	95 kW / 130 cv @ 3800rpm

Garrett P/N *	OE P/N	Application Type	Engine Code	Engine Manufacturer	Vehicle Model	Engine Displacement	Fuel Type	Emission	Frame Size	Power
857478-5030Y	12709880017	Truck	TAD750VE / TCD2013	Volvo Deutz	EC290BExcavator	7.2	Diesel	Euro 3	TBP4	-@2300RPM
836254-5004S	A4300900480	Truck	4D34-2AT4/4D34-2AT5	MITSUBISHI	Fuso Canter Truck 6.5 tonnes / Rosa Bus 6.5 tonnes/Fuso Canter Truck 4.5 & 5.5 tonnes / Rosa Bus 4.5 & 5.5 tonnes 2AT5	3.9	Diesel	Euro 2	GT22	134HP@2900RPM/109HP@2900RPM
892925-5001Y	4046127	Truck	ISX	CUMMINS		11	Diesel	Euro 3	GT45	
887393-5005S	5358033H (3772934)	Truck	DD15 TC	Volvo	Cascadia Freightliner	14.8	Diesel	US MHCV CO2 17	GT45	455-505 HP
843881-5007Y	-	Excavator	-	QINGLING		3	Diesel	Tier 3	GT17	
891663-5001S	4913507672	Passenger Car	4G15B	GWM	HAVAL	1.5	Gasoline	CN5	MGT14Z	
891910-5001Y	0898030-2170	Excavator	4HK1	ISUZU	SUMITOMO	5.2	Diesel	CN3	GT22	
896250-5001Y	5043474400(A)	Truck	Cursor9	FPT	GENLYON	8.7	Diesel	CN4	GT40	
887393-5004Y	53299887131	Truck	D2066LF-01/02/03/04	MAN	MAN K29 Truck/ TGA 26/37/40	10.5	Diesel	Euro 3/4	GT45	
891910-5002Y	897362-8390	Excavator	4HK1	ISUZU	HITACHI	5.2	Diesel	CN3	GT22	
894347-5001Y	202V09100-7830	Truck	MC13	CNHTC	HOWO T7	12.5	Diesel	CN5	GT42	
895500-5001Y	17201-E0860	Excavator	P11C	HINO	HINO	10.5	Diesel	Euro 4	GT42	
884211-5005Y	621600191261	Truck	WP12	WFD		12	CNG	CN4	GT45	
891562-5002Y	5356855	Truck	ISG13	CUMMINS	FOTON	13	Diesel	CN5	GT45	
884211-5006Y	202V09100-7838-A	Truck	MT13	CNHTC	HOWO T7H	13	CNG	CN5	GT45	
894347-5002Y	5330193 202V09100-7926	Truck	MC11	CNHTC	HOWO T7	10.5	Diesel	CN5	GT42	
891562-5003Y	5351573/5351572	Truck	ISG	CUMMINS		11.8	Diesel	CN5	GT45	
857478-5032Y	3791329		ISB 6.7	CUMMINS	Ford Cargo C-1723e /2423e /2623e / 1729e / 2429e / 2629e	6.7	Diesel	Euro 5	TBP4	
896646-5001Y	53039880055 / 1902A079180-014	Mini Bus	dCi125	Renault	Master	2.5	Diesel	Euro 3	GT17	
821770-5003Y	3768496	Truck	ISBe 4.5	CUMMINS	Ford Cargo	4.5	Diesel		GT22	
885479-5004Y	49189-00570	Excavator	D04R	Kobelco	Kobelco	4.3	Diesel	CN3	GT22	
903772-5001Y	G61CND-S0090G	Excavator	6HK1	ISUZU	HITACHI/SUMITOMO	7.8	Diesel	CN5	GT35	
903772-5002Y	G61CND-S0090G	Excavator	6HK1	ISUZU	HITACHI/SUMITOMO	7.8	Diesel	CN5	GT35	
895216-5001Y	49188-01832 (MHI)	Excavator	6WG1X	ISUZU	ZAXIS690 LCH	15.6	Diesel	CN3	GT45	
907373-5001Y	S1760E0120 (IHI)	Excavator	P11C	HINO	Kobelco	10.5	Diesel	CN3	GT35	
857478-5033Y	11440-3900	Excavator	6HK1	ISUZU	EC290BExcavator	7.8	Diesel	CN4	TBP4	
902356-5001Y	49131-05403	Bus	V348	FORD	Ford Transit Mini Bus	2.4	Diesel	Euro 4	GT1749Z	
902356-5002Y	49S31-05212	Van	4D22	FORD/PSA	Mini Van	2.4	Diesel	Euro 4	GT1749Z	
885479-5002Y	5350162	Excavator	ISF	CUMMINS	Gazelle	2.8	Diesel	Tier 3	GT22	
779534-5054Y	-	-	ISBe / OM904	CUMMINS/Mercedes	-	-	Diesel	Euro 2/3	GT27	
891663-5001Y	4913507672	Passenger Car	4G15B	GWM	HAVAL	1.5	Gasoline	CN5	MGT14Z	

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