



Supercore configuration



Internally wastegated configuration

G SERIES TURBOCHARGERS: A TURN AHEAD OF THE COMPETITION

Garrett G30-660 | G30-770 | G30-900



G series turbochargers feature the latest innovations in turbocharger technology. Advanced compressor and turbine aero offer enthusiasts a wide range of performance boosting solutions for 2.0L - 3.5L engine platforms. Standard and reverse rotation options are offered with a variety of turbine housing configurations making it easy to select the right turbocharger for your application.

Garrett
ADVANCING MOTION

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Internally wastegated turbocharger assembly

Features:

- New G Series compressor wheel aerodynamics
- Fully machined speed sensor and pressure ports
- Standard and reverse rotation configurations available
- Oil restrictor and water fittings included with purchase
- One piece center housing and backplate for increased durability
- 4 water jacket ports for customizable installation
- Mar-M turbine wheel material rated up to 1050° C | 1922° F
- Stainless steel turbine housings for temperatures up to 1050° C | 1922° F
- T3 and V-Band turbine inlet configurations
- Internally wastegated turbochargers assembled and calibrated at Garrett with a 1.0 bar actuator

New

G30-660 Reference Data	Compressor				Turbine		
	Inducer	Exducer	Trim	A/R	Inducer	Exducer	Trim
HP: 350-660 Disp: 2.0L-3.5L	54mm	67mm	65	0.70	60mm	55mm	84
G30-660 Turbocharger PN Turbo PN assembled and calibrated with 1.0 bar actuator	Turbo PN		A/R	Inlet	Outlet	Wastegate	Divided
	880704-5002S		0.83	V-Band	V-band	Y	N
880704-5003S		1.01	V-Band	V-band	Y	N	
G30-660 Standard Rotation Supercore PN 880693-5001S	Turbine Kit PN		A/R	Inlet	Outlet	Wastegate	Divided
	740902-0090		0.83	T3	V-Band	Free Float	N
	740902-0091		1.01	T3	V-Band	Free Float	N
	740902-0086		0.61	V-Band	V-Band	Free Float	N
	740902-0087		0.83	V-Band	V-band	Free Float	N
740902-0088		1.01	V-Band	V-band	Free Float	N	
740902-0089		1.21	V-Band	V-band	Free Float	N	
G30-660 Reverse Rotation Supercore PN 880694-5001S	Turbine Kit PN		A/R	Inlet	Outlet	Wastegate	Divided
	740902-0100		0.83	T3	V-Band	Free Float	N
	740902-0101		1.01	T3	V-Band	Free Float	N
	740902-0096		0.61	V-Band	V-Band	Free Float	N
	740902-0097		0.83	V-Band	V-band	Free Float	N
740902-0098		1.01	V-Band	V-band	Free Float	N	
740902-0099		1.21	V-Band	V-band	Free Float	N	
G30-770 Reference Data	Compressor				Turbine		
	Inducer	Exducer	Trim	A/R	Inducer	Exducer	Trim
HP: 475-770 Disp: 2.0L-3.5L	58mm	71mm	65	0.72	60mm	55mm	84
G30-770 Turbocharger PN Turbo PN assembled and calibrated with 1.0 bar actuator	Turbo PN		A/R	Inlet	Outlet	Wastegate	Divided
	880704-5005S		0.83	V-Band	V-band	Y	N
880704-5006S		1.01	V-Band	V-band	Y	N	
G30-770 Standard Rotation Supercore PN 880693-5002S	Turbine Kit PN		A/R	Inlet	Outlet	Wastegate	Divided
	740902-0090		0.83	T3	V-Band	Free Float	N
	740902-0091		1.01	T3	V-Band	Free Float	N
	740902-0086		0.61	V-Band	V-Band	Free Float	N
	740902-0087		0.83	V-Band	V-band	Free Float	N
740902-0088		1.01	V-Band	V-band	Free Float	N	
740902-0089		1.21	V-Band	V-band	Free Float	N	
G30-770 Reverse Rotation Supercore PN 880694-5002S	Turbine Kit PN		A/R	Inlet	Outlet	Wastegate	Divided
	740902-0100		0.83	T3	V-Band	Free Float	N
	740902-0101		1.01	T3	V-Band	Free Float	N
	740902-0096		0.61	V-Band	V-Band	Free Float	N
	740902-0097		0.83	V-Band	V-band	Free Float	N
740902-0098		1.01	V-Band	V-band	Free Float	N	
740902-0099		1.21	V-Band	V-band	Free Float	N	

New

New

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New



G30-900 Reference Data		Compressor				Turbine				
		Inducer	Exducer	Trim	A/R	Inducer	Exducer	Trim		
HP: 550-900	Disp: 2.0L-3.5L	62mm	76mm	65	0.72	60mm	55mm	84		
G30-900 Turbocharger PN		Turbo PN	A/R	Inlet	Outlet	Wastegate	Divided			
Turbo PN assembled and calibrated with 1.0 bar actuator		880704-5008S	0.83	V-Band	V-band	Y	N			
		880704-5009S	1.01	V-Band	V-band	Y	N			
G30-900 Standard Rotation Supercore PN		Turbine Kit PN	A/R	Inlet	Outlet	Wastegate	Divided			
880693-5003S		740902-0090	0.83	T3	V-Band	Free Float	N			
		740902-0091	1.01	T3	V-Band	Free Float	N			
		740902-0086	0.61	V-Band	V-Band	Free Float	N			
		740902-0087	0.83	V-Band	V-band	Free Float	N			
		740902-0088	1.01	V-Band	V-band	Free Float	N			
880694-5003S		740902-0089	1.21	V-Band	V-band	Free Float	N			
		G30-900 Reverse Rotation Supercore PN		Turbine Kit PN	A/R	Inlet	Outlet	Wastegate	Divided	
		880694-5003S		740902-0100	0.83	T3	V-Band	Free Float	N	
				740902-0101	1.01	T3	V-Band	Free Float	N	
				740902-0096	0.61	V-Band	V-Band	Free Float	N	
740902-0097	0.83			V-Band	V-band	Free Float	N			
740902-0098	1.01			V-Band	V-band	Free Float	N			
880694-5003S		740902-0099	1.21	V-Band	V-band	Free Float	N			

Garrett G30 Flange Diagrams

