



## POWERMAX™ DIRECT FIT PERFORMANCE TURBOCHARGERS

2014 - 2018 Volkswagen / Audi 2.0L TSI MK7

Stage 1 and Stage 2 Turbochargers



**P**owerMax™ direct fit performance turbocharger kits are engineered for increased engine performance while maintaining OEM direct fitment. With professional engine calibration and tuning, the optimized compressor aero will increase flow and outperform the stock turbocharger.

**Garrett**  
ADVANCING MOTION

*Legal in California only for racing vehicles which may never be used, or registered or licensed for use, upon a highway. Installation may affect vehicle emissions, safety, warranty, and operating license. For details, contact your vehicle's manufacturer or turbo kit distributor.*

# POWERMAX™ DIRECT FIT PERFORMANCE TURBOCHARGERS

## 2014 - 2018 Volkswagen / Audi 2.0L TSI MK7 Stage 1 and Stage 2 Turbochargers

Garrett PowerMax™ turbocharger upgrades for the Volkswagen and Audi MK7 2.0L TSI engine platform is engineered to increase engine performance while maintaining OEM installation specifications. Stage 1 (485 BHP\*) and Stage 2 (600 BHP\*) upgrades maximize efficiency and air flow compared to the OEM turbocharger. High temperature, Mar-M alloy turbine wheel and twin scroll stainless steel turbine housings are rated for up to 1050° C. These turbochargers are fully assembled with a calibrated electronic actuator and ancillary components for direct OEM fitment.

**WARNING:** Maximum allowable turbocharger speed is 185krpm (Stage 1) | 165krpm (Stage 2). The use of this product above max turbocharger speed is at the owner's risk, and can result in damage and premature failure. To protect the turbocharger from overspeed when operating, a speed sensor port is machined into the compressor housing for the fitment of speed sensor part numbers 781328-0003 (includes sensor and gauge), and 781328-0004 (includes speed sensor). Speed sensors sold separately.

### Turbocharger Reference Data:

Part Number	Stage	Power	Model	Comp Ind	Comp Exd	Turb Ind	Turb Exd
898199-5001W	Stage 1	485HP   362kW	GT2260S	47mm	60mm	50mm	45mm
898200-5001W	Stage 2	600HP   447kW	G25-660	54mm	67mm	54mm	49mm

### Vehicle Applications:

Make	Model	Year	Body & Trim	Engine	OEM Turbo
Audi	TT	2014 +	Base	2.0L L4 - Gas	IS20
Audi	TTS	2014 +	Base	2.0L L4 - Gas	IS38
Audi	A3	2015 - 18	Premium, Premium Plus, Prestige	2.0L L4 - Gas	IS20
Audi	A3 Quattro	2015 - 18	Premium, Premium Plus, Prestige	2.0L L4 - Gas	IS20
Audi	S3	2015 - 18	Premium Plus, Prestige	2.0L L4 - Gas	IS38
VW	Golf	2015	S, SE, SEL, Launch Edition	2.0L L4 - Gas	IS12
VW	Golf GTI	2015	Autobahn, S, SE	2.0L L4 - Gas	IS20
VW	Golf R	2015	Base	2.0L L4 - Gas	IS38
VW	Golf	2016	Base, S, SE, SEL	2.0L L4 - Gas	IS12
VW	Golf GTI	2016	Autobahn, S, SE	2.0L L4 - Gas	IS20
VW	Golf R	2016	Base	2.0L L4 - Gas	IS38
VW	Golf	2017	S, Wolfsburg Edition	2.0L L4 - Gas	IS12
VW	Golf Alltrack	2017	S, SE, SEL	2.0L L4 - Gas	IS12
VW	Golf GTI	2017	Autobahn, S, SE	2.0L L4 - Gas	IS20
VW	Golf R	2017	Base	2.0L L4 - Gas	IS38
VW	Golf	2018	S, SE, SEL	2.0L L4 - Gas	IS12
VW	Golf Alltrack	2018	S, SE, SEL	2.0L L4 - Gas	IS12
VW	Golf GTI	2018	Autobahn, S, SE	2.0L L4 - Gas	IS20
VW	Golf R	2018	Base	2.0L L4 - Gas	IS38

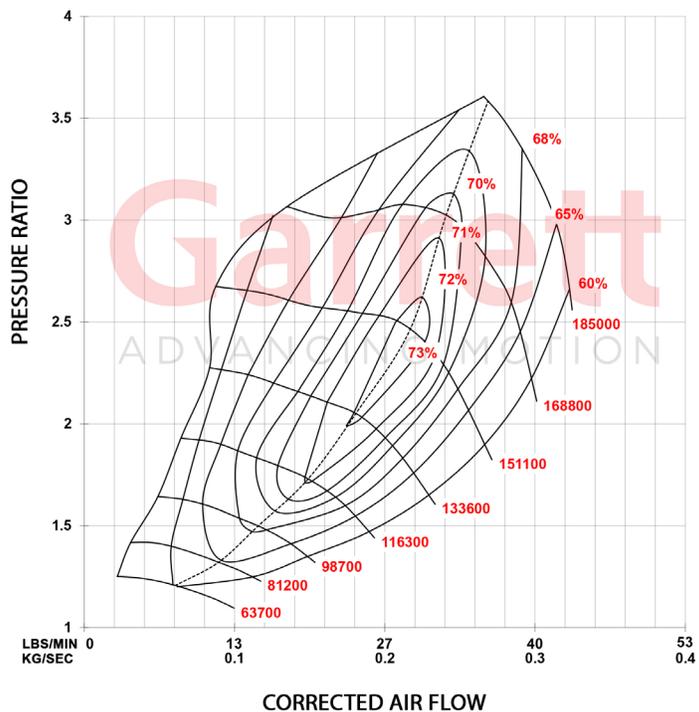
### OE Turbocharger Part Numbers

IS12	06K124713L
IS20	06K145875M
IS38	06K145722H

# POWERMAX™ DIRECT FIT PERFORMANCE TURBOCHARGERS

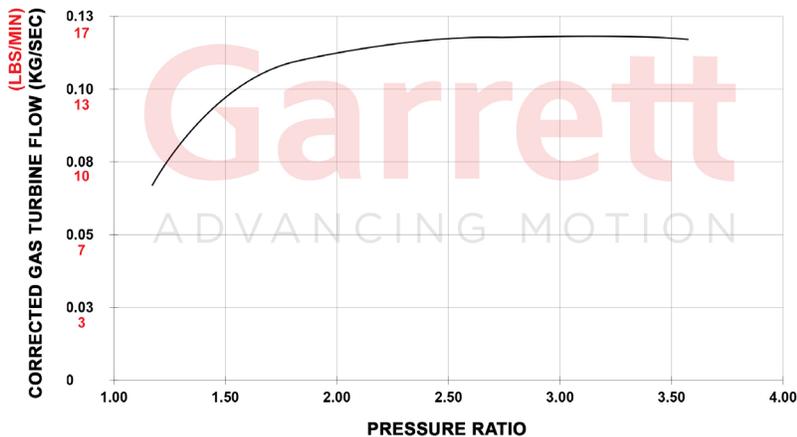
## Stage 1 Turbocharger Reference Data:

Part Number	Stage	Power	Model	Comp Ind	Comp Exd	Turb Ind	Turb Exd
898199-5001W	Stage 1	485HP   362kW	GT2260S	47mm	60mm	50mm	45mm



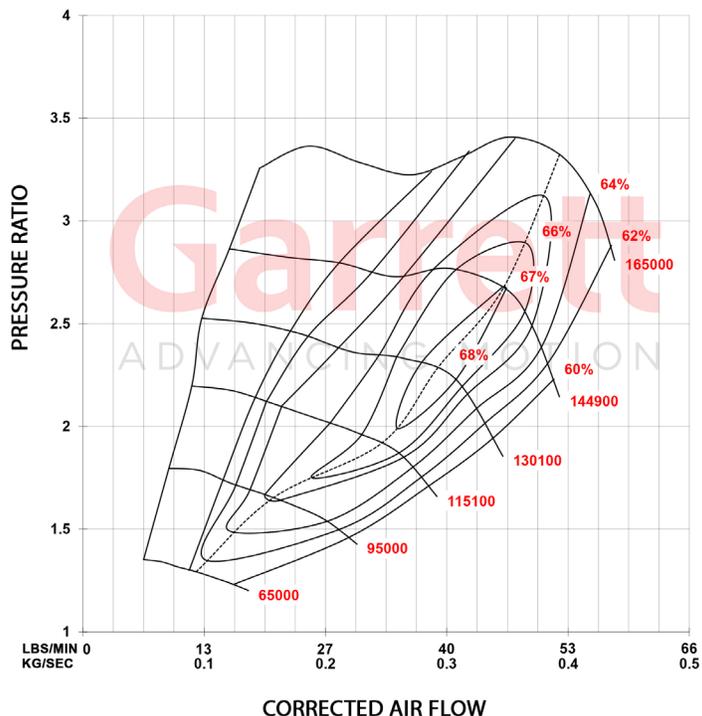
### Features:

- Direct-fit stage 1 with 485HP | 362kW (flywheel) power capability (on-vehicle results)\*
- Complete assembly with electronic actuator
- +17% compressor flow compared to IS38 turbo (stock Golf R)
- GTX Gen II compressor aerodynamics
- Mar-M alloy turbine wheel and twin scroll stainless steel turbine housing rated up to 1050° C
- Latest generation of journal bearing rotating group with 360° reinforced thrust bearing



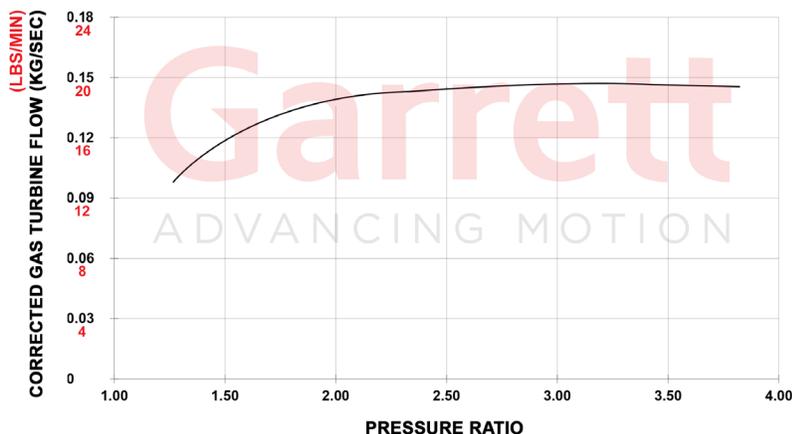
## Stage 2 Turbocharger Reference Data:

Part Number	Stage	Power	Model	Comp Ind	Comp Exd	Turb Ind	Turb Exd
898200-5001W	Stage 2	600HP   447kW	G25-660	54mm	67mm	54mm	49mm



### Features:

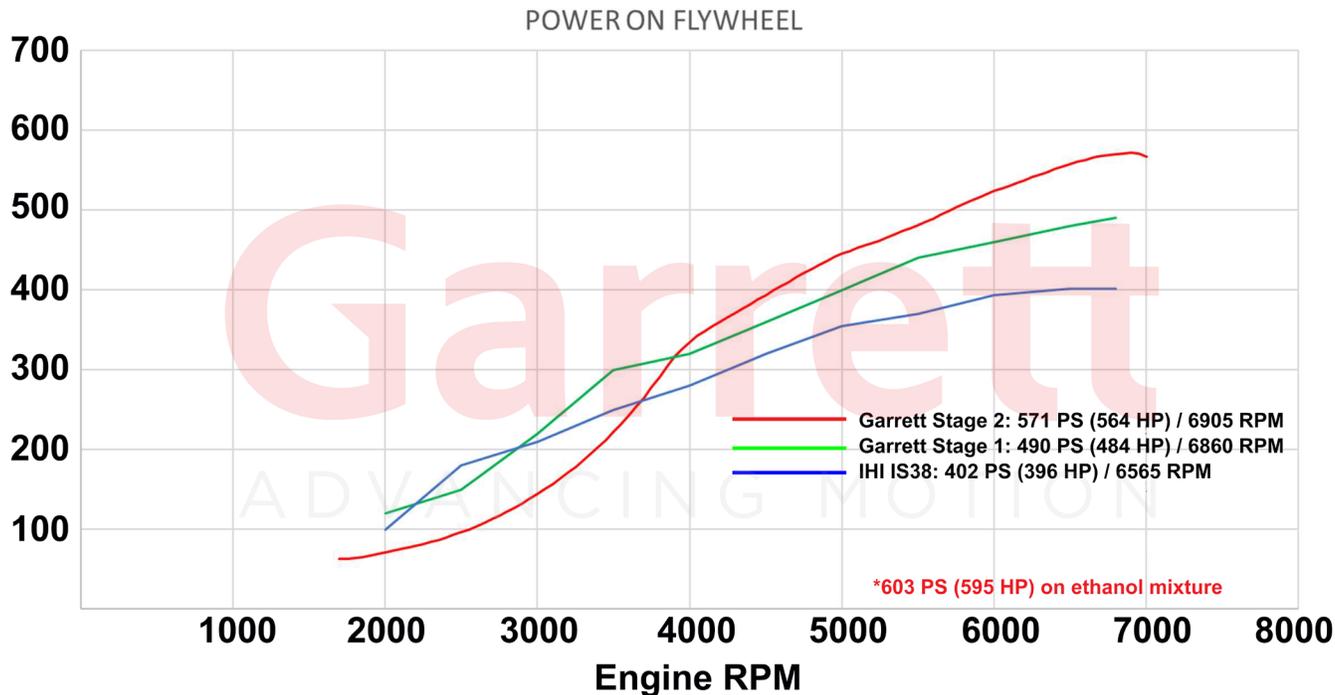
- Direct-fit stage 2 with 600HP | 447kW (flywheel) power capability (on-vehicle results)\*
- Complete assembly with electronic actuator
- +59% compressor flow compared to IS38 turbo (stock Golf R)
- G Series compressor and turbine wheel aerodynamics
- Mar-M alloy turbine wheel and twin scroll stainless steel turbine housing rated up to 1050° C
- Latest generation of ball bearing rotating group



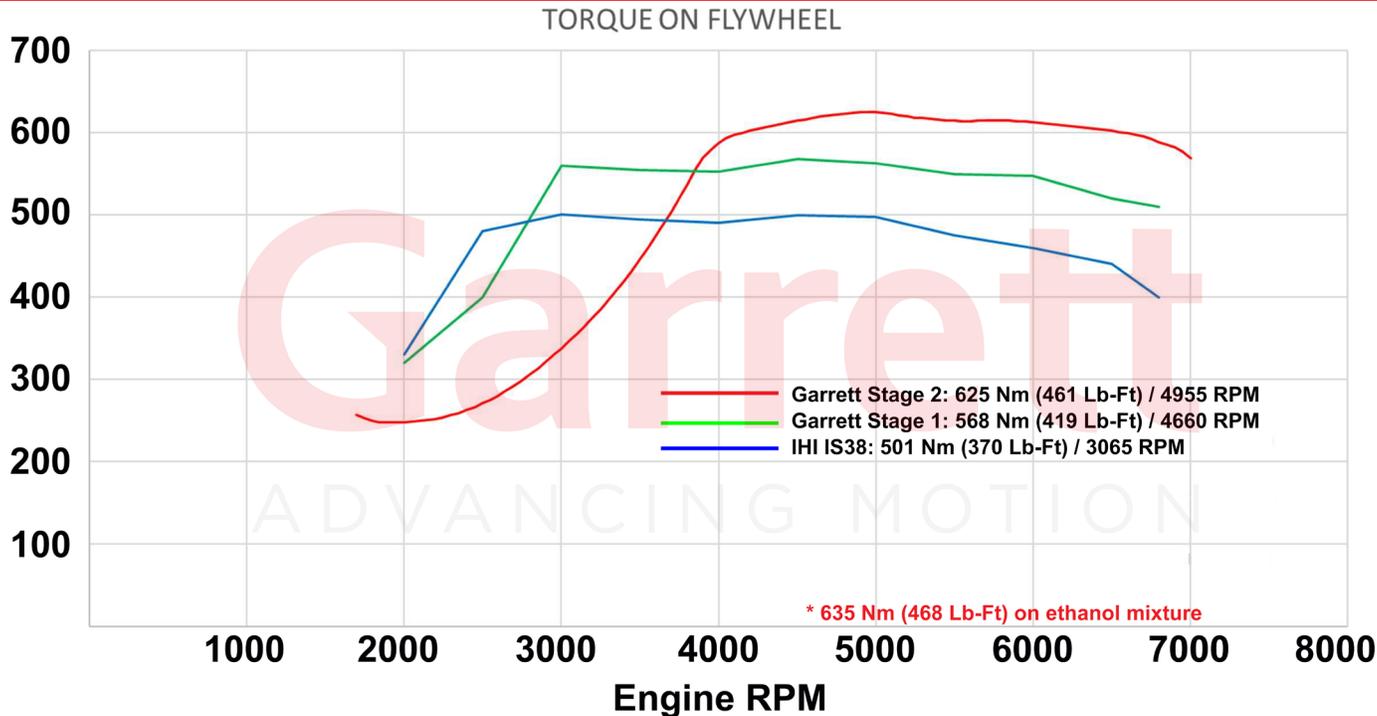
\* Performance results of this product are highly dependent upon your vehicle's modifications and tuning/calibration. The horsepower numbers represented above are based on actual on-vehicle testing.

# POWERMAX™ DIRECT FIT PERFORMANCE TURBOCHARGERS

## On-Vehicle Power Data: Audi 2.0 TFSI (EA888 Gen 3)



## On-Vehicle Torque Data: Audi 2.0 TFSI (EA888 Gen 3)



### Vehicle Modifications:

- Audi TT 2.0 TFSI (EA888 Gen 3)
- Larger intercooler
- Custom exhaust
- Reinforced pistons - lowered compression ratio of 9.2:1
- Upgraded fuel system - larger high pressure fuel pump and larger injectors
- Transmission upgrades - software upgrade only
- Cylinder head upgrades - valve springs only
- Fuel - 102 octane unleaded (Stage 2 also run with ethanol mixture)

\* Performance results of this product are highly dependent upon your vehicle's modifications and tuning/calibration. The horsepower numbers represented above are based on actual on-vehicle testing.