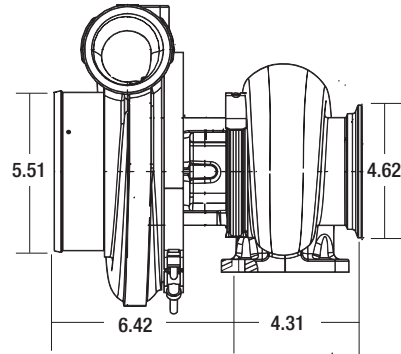
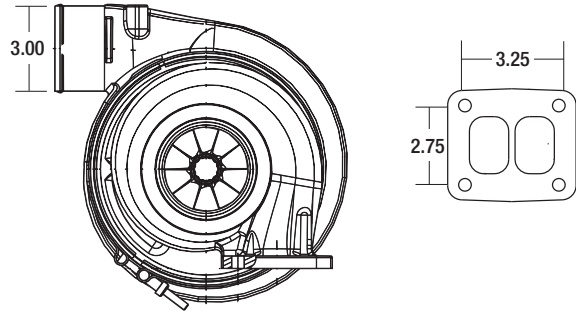


S400SX3

400 - 900 HP Turbo



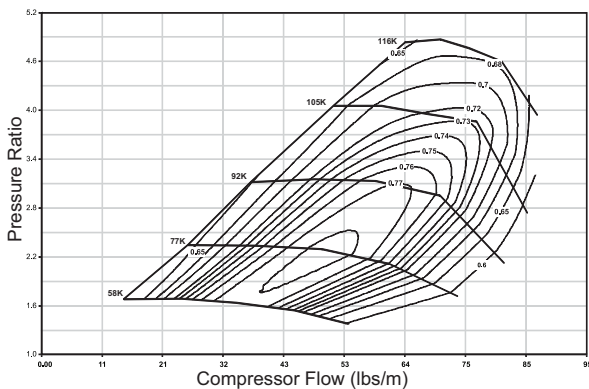
Turbo Frame Dimensions



Turbo Features

- Twin hydrodynamic journal bearings.
- Extended Tip Technology Compressor Wheel
- Twin Scroll Turbine Housing
- Adjustable compressor and turbine housing orientation
- Compressor cover recirculation grooves
- Optimized compressor inlet geometry
- Forged Milled Wheel Technology

Compressor Map



Utilizing Forged Milled Compressor Wheel (FMW) Technology

Turbine Housing

Part Number	A/R
177102	0.90
177103	1.00
177104	1.10
177105	1.25

Turbo Part Number	Comp. Wheel O.D.	Comp. Wheel Inducer Dia.	Comp. Wheel Inducer Dia. (mm)	Turbine Wheel O.D.	Turbine Wheel O.D. (mm)	Turbine Wheel Exducer	Turbine Wheel Exducer (mm)	Turbine A/R	Super Core	Cartridge Assembly	Service Kit
178855	3.60	2.66	67.66	3.29	83.47	2.92	74.29	1.10	179352*	178856	318396

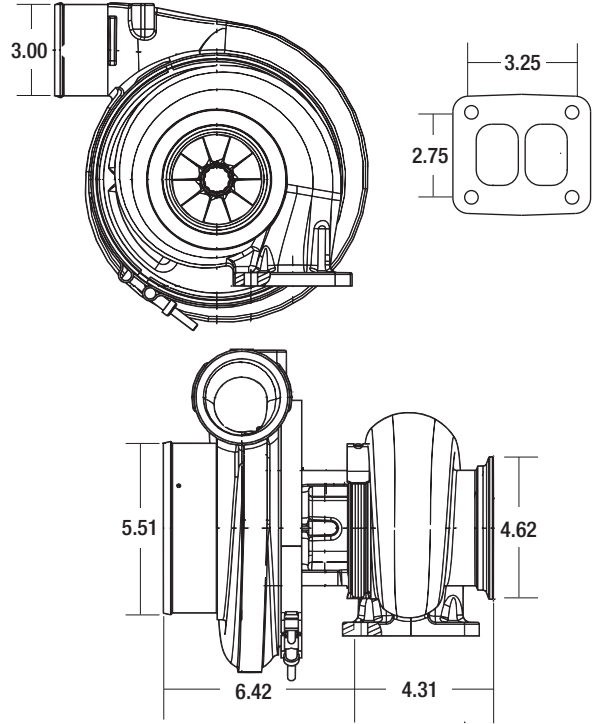
* Super core options found on page 52

S400SX3

500 - 950 HP Turbo



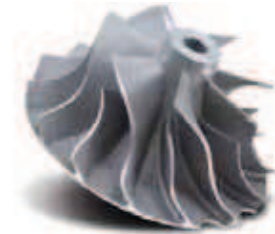
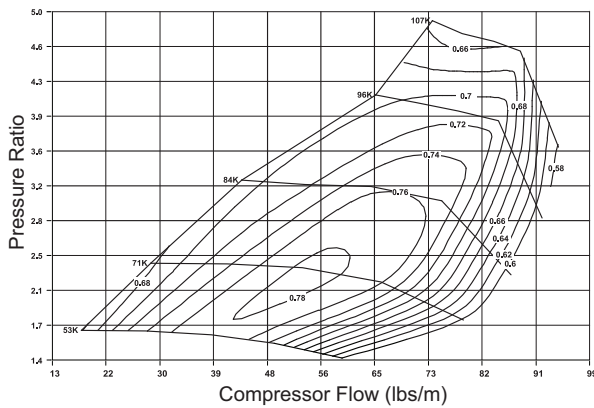
Turbo Frame Dimensions



Turbo Features

- Twin hydrodynamic journal bearings.
- Extended Tip Technology Compressor Wheel
- Twin Scroll Turbine Housing
- Adjustable compressor and turbine housing orientation
- Compressor cover recirculation grooves
- Optimized compressor inlet geometry

Compressor Map



Extended Tip Technology

Turbine Housing

Part Number	A/R
177102	0.90
177103	1.00
177104	1.10
177105	1.25

Turbo Part Number	Comp. Wheel O.D.	Comp. Wheel Inducer Dia.	Comp. Wheel Inducer Dia. (mm)	Turbine Wheel O.D.	Turbine Wheel O.D. (mm)	Turbine Wheel Exducer	Turbine Wheel Exducer (mm)	Turbine A/R	Super Core	Cartridge Assembly	Service Kit
179171	3.94	2.80	71.08	3.29	83.47	2.92	74.29	1.10	179172*	177249	318396

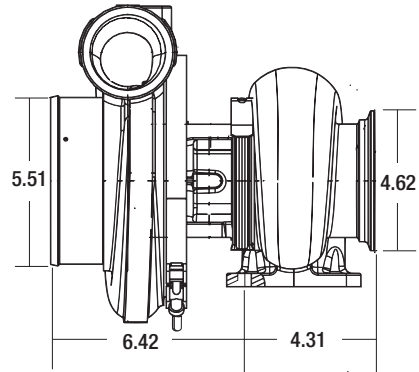
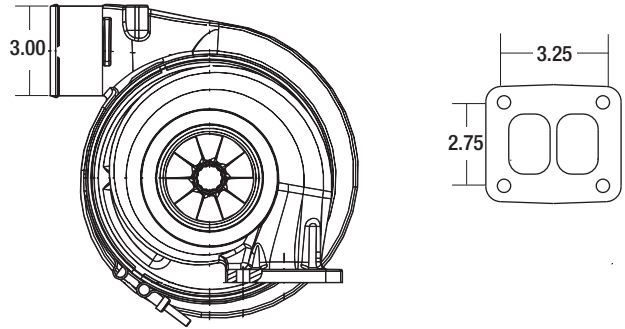
* Super core options found on page 52

S400SX3

500 - 1050 HP Turbo



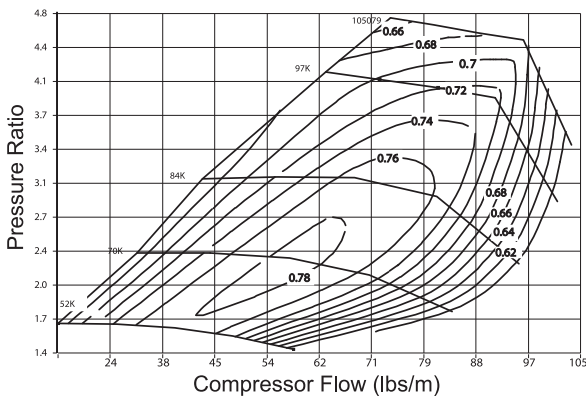
Turbo Frame Dimensions



Turbo Features

- Twin hydrodynamic journal bearings.
- Extended Tip Technology Compressor Wheel
- Twin Scroll Turbine Housing
- Adjustable compressor and turbine housing orientation
- Compressor cover recirculation grooves
- Optimized compressor inlet geometry

Compressor Map



Extended Tip Technology

Turbine Housing

Part Number	A/R
177102	0.90
177103	1.00
177104	1.10
177105	1.25

Turbo Part Number	Comp. Wheel O.D.	Comp. Wheel Inducer Dia.	Comp. Wheel Inducer Dia. (mm)	Turbine Wheel O.D.	Turbine Wheel O.D. (mm)	Turbine Wheel Exducer	Turbine Wheel Exducer (mm)	Turbine A/R	Super Core	Cartridge Assembly	Service Kit
179174	3.94	2.94	74.56	3.29	83.47	2.92	74.29	1.10	179175*	176807	318396

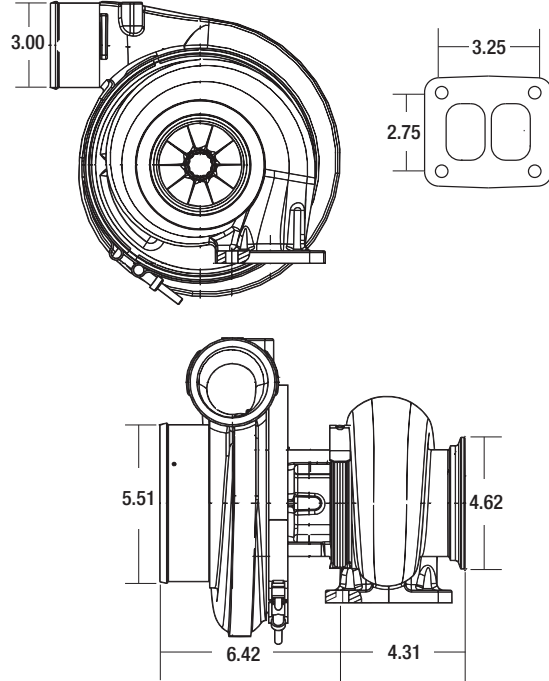
* Super core options found on page 52

S400SX3

550 - 1100 HP Turbo



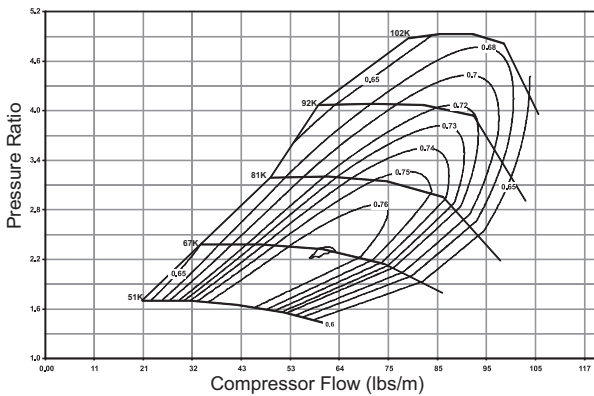
Turbo Frame Dimensions



Turbo Features

- Twin hydrodynamic journal bearings.
- Extended Tip Technology Compressor Wheel
- Twin Scroll Turbine Housing
- Adjustable compressor and turbine housing orientation
- Compressor cover recirculation grooves
- Optimized compressor inlet geometry

Compressor Map



Extended Tip Technology

Turbine Housing

Part Number	A/R
178787	0.90
178788	1.00
178789	1.10
178790	1.25

Turbo Part Number	Comp. Wheel O.D.	Comp. Wheel Inducer Dia.	Comp. Wheel Inducer Dia. (mm)	Turbine Wheel O.D.	Turbine Wheel O.D. (mm)	Turbine Wheel Exducer	Turbine Wheel Exducer (mm)	Turbine A/R	Super Core	Cartridge Assembly	Service Kit
179176	4.13	2.99	76.00	3.44	87.37	3.22	81.74	1.10	178781*	178782	178783

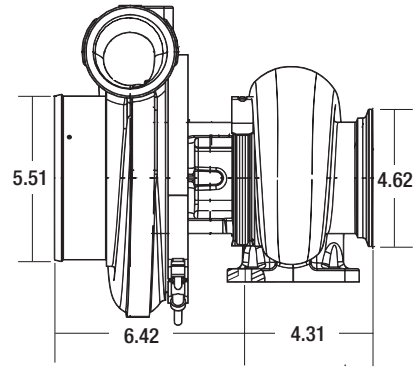
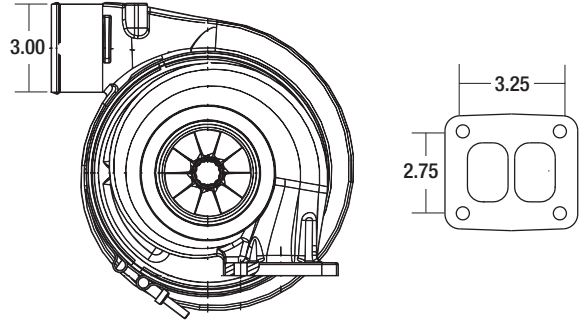
* Super core options found on page 52

S400SX3

750 - 1250 HP Turbo



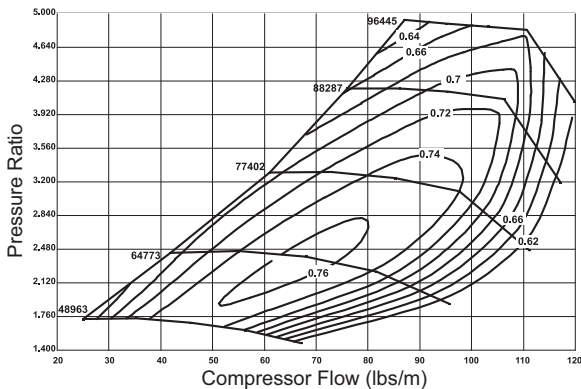
Turbo Frame Dimensions



Turbo Features

- Twin hydrodynamic journal bearings.
- Extended Tip Technology Compressor Wheel
- Twin Scroll Turbine Housing
- Adjustable compressor and turbine housing orientation
- Compressor cover recirculation grooves
- Optimized compressor inlet geometry
- Forged Milled Wheel Technology

Compressor Map



Utilizing Forged Milled Compressor Wheel (FMW) Technology

Turbine Housing

Part Number	A/R
178787	0.90
178788	1.00
178789	1.10
178790	1.25

Turbo Part Number	Comp. Wheel O.D.	Comp. Wheel Inducer Dia.	Comp. Wheel Inducer Dia. (mm)	Turbine Wheel O.D.	Turbine Wheel O.D. (mm)	Turbine Wheel Exducer	Turbine Wheel Exducer (mm)	Turbine A/R	Super Core	Cartridge Assembly	Service Kit
179180	4.32	3.16	80.30	3.44	87.37	3.22	81.74	1.25	179179*	179181	318396

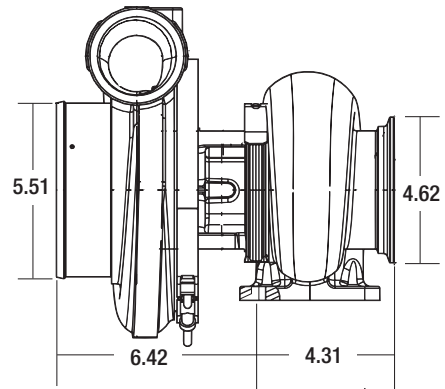
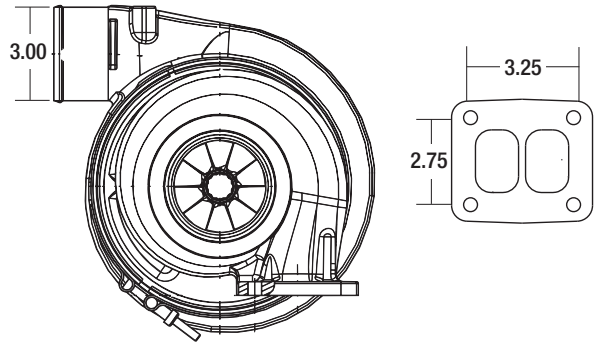
* Super core options found on page 52

S400SX3

750-1300 HP Turbo



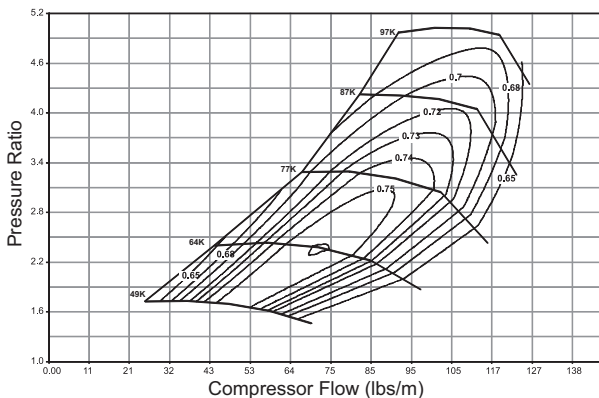
Turbo Frame Dimensions



Turbo Features

- Twin hydrodynamic journal bearings.
- Extended Tip Technology Compressor Wheel
- Twin Scroll Turbine Housing
- Adjustable compressor and turbine housing orientation
- Compressor cover recirculation grooves
- Optimized compressor inlet geometry
- Forged Milled Wheel Technology

Compressor Map



Utilizing Forged Milled Compressor Wheel (FMW) Technology

Turbine Housing

Part Number	A/R
178787	0.90
178788	1.00
178789	1.10
178790	1.25

Turbo Part Number	Comp. Wheel O.D.	Comp. Wheel Inducer Dia.	Comp. Wheel Inducer Dia. (mm)	Turbine Wheel O.D.	Turbine Wheel O.D. (mm)	Turbine Wheel Exducer	Turbine Wheel Exducer (mm)	Turbine A/R	Super Core	Cartridge Assembly	Service Kit
179182	4.32	3.24	82.20	3.44	87.37	3.22	81.74	1.25	179184*	179183	318396

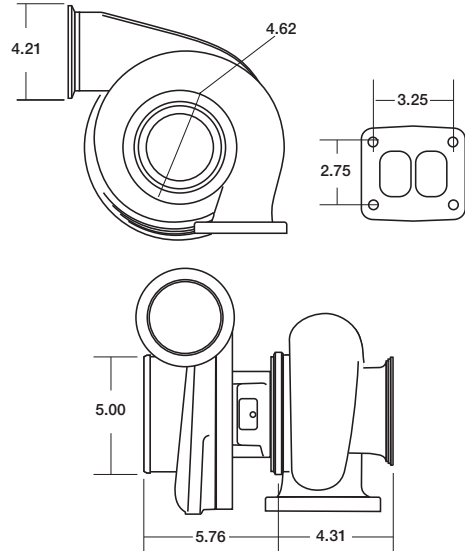
* Super core options found on page 52

S400SX3

500 - 1050 HP Turbo



Turbo Frame Dimensions



Turbo Features

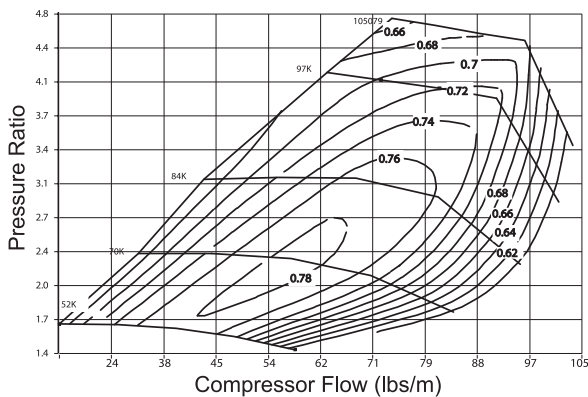
- Twin hydrodynamic journal bearings
- Extended tip technology compressor wheel
- Twin scroll turbine housing
- Adjustable compressor and turbine housing orientation
- Standard turbine inlet and outlet allows for drop-in to existing turbocharged applications
- Compressor cover recirculation grooves



Extended Tip Technology

Compressor Map

(Applicable to part number 177248)



Turbine Housing

Part Number	A/R
177102	0.90
177103	1.00
177104	1.10
177105	1.25

Compressor Cover

Part Number	Notes
177212	(177248 Only)
177352	w/Attenuator (177248 Only)
177354	w/Attenuator (177101 Only)

Turbo Part Number	Comp. Wheel O.D.	Comp. Wheel Inducer Dia.	Comp. Wheel Inducer Dia. (mm)	Turbine Wheel O.D.	Turbine Wheel O.D.	Turbine Wheel Exducer	Turbine Wheel Exducer (mm)	Turbine A/R	Cartridge Assembly	Service Kit
177248	3.94	2.80	71.08	3.29	83	2.93	74	1.10	177249	318396
177101	3.94	2.94	74.56	3.29	83	2.93	74	1.10	176807	318396