



Issued June 2019

Piston Compression Ratio Chart - (Estimated)

Note - All volumes must be checked on every engine build, we cannot be held responsible for errors - Information is for guidance only

Piston Type	Bore Size (mm)	Piston Deck Height	Crank Stroke (mm)	Engine CC	Head Volume (cc)	Head Gasket Type	Compression Ratio
OM86.05XS	86.05	+0.45mm (Above)	86.00	2001	44.00	SBD .050"	11.4
OM86.05XS	86.05	+0.45mm (Above)	86.00	2001	42.00	SBD .050"	11.8
OM86.05XS	86.05	+0.45mm (Above)	86.00	2001	40.00	SBD .050"	12.3
Piston Type	Bore Size (mm)	Piston Deck Height	Crank Stroke (mm)	Engine CC	Head Volume (cc)	Head Gasket Type	Compression Ratio
OM86.50XS	86.50	+0.45mm (Above)	86.00	2022	44.00	SBD .050"	11.5
OM86.50XS	86.50	+0.45mm (Above)	86.00	2022	42.00	SBD .050"	12.0
OM86.50XS	86.50	+0.45mm (Above)	86.00	2022	40.00	SBD .050"	12.5
Piston Type	Bore Size (mm)	Piston Deck Height	Crank Stroke (mm)	Engine CC	Head Volume (cc)	Head Gasket Type	Compression Ratio
OM87.00XS	87.00	+0.45mm (Above)	86.00	2045	44.00	SBD .050"	11.7
OM87.00XS	87.00	+0.45mm (Above)	86.00	2045	42.00	SBD .050"	12.1
OM87.00XS	87.00	+0.45mm (Above)	86.00	2045	40.00	SBD .050"	12.6
Piston Type	Bore Size (mm)	Piston Deck Height	Crank Stroke (mm)	Engine CC	Head Volume (cc)	Head Gasket Type	Compression Ratio
OM88.00XS	88.00	+0.45mm (Above)	86.00	2093	44.00	SBD .050"	12.0
OM88.00XS	88.00	+0.45mm (Above)	86.00	2093	42.00	SBD .050"	12.5
OM88.00XS	88.00	+0.45mm (Above)	86.00	2093	40.00	SBD .050"	13.0
Piston Type	Bore Size (mm)	Piston Deck Height	Crank Stroke (mm)	Engine CC	Head Volume (cc)	Head Gasket Type	Compression Ratio
OM-VX86.00SLS	86.00	+0.45mm (Above)	86.00	1998	44.00	SBD .050"	12.0
OM-VX86.00SLS	86.00	+0.45mm (Above)	86.00	1998	42.00	SBD .050"	12.5
OM-VX86.00SLS	86.00	+0.45mm (Above)	86.00	1998	40.00	SBD .050"	13.0
Piston Type	Bore Size (mm)	Piston Deck Height	Crank Stroke (mm)	Engine CC	Head Volume (cc)	Head Gasket Type	Compression Ratio
OM-VX87.00SLS	87.00	+0.45mm (Above)	86.00	2045	44.00	SBD .050"	12.0
OM-VX87.00SLS	87.00	+0.45mm (Above)	86.00	2045	42.00	SBD .050"	12.5
OM-VX87.00SLS	87.00	+0.45mm (Above)	86.00	2045	40.00	SBD .050"	13.0
Piston Type	Bore Size (mm)	Piston Deck Height	Crank Stroke (mm)	Engine CC	Head Volume (cc)	Head Gasket Type	Compression Ratio

OM-VX87.50SLS	87.50	+0.45mm (Above)	86.00	2069	44.00	SBD .050"	12.0
OM-VX87.50SLS	87.50	+0.45mm (Above)	86.00	2069	42.00	SBD .050"	12.5
OM-VX87.50SLS	87.50	+0.45mm (Above)	86.00	2069	40.00	SBD .050"	13.0
Piston Type	Bore Size (mm)	Piston Deck Height	Crank Stroke (mm)	Engine CC	Head Volume (cc)	Head Gasket Type	Compression Ratio
OM-VX88.00SLS	88.00	+0.45mm (Above)	86.00	2093	44.00	SBD .050"	12.0
OM-VX88.00SLS	88.00	+0.45mm (Above)	86.00	2093	42.00	SBD .050"	12.5
OM-VX88.00SLS	88.00	+0.45mm (Above)	86.00	2093	40.00	SBD .050"	13.0