

Superformance Limited

206 Dino Specification

Engine

Type	135 B000
Cylinders	6 - 65 Deg. Vee
Bore diameter	86mm
Stroke	57mm
Capacity	1987cc
Compression ratio	9:1
Horsepower DIN	160 BHP @ 7200 RPM
Max RPM	8000 RPM
Max torque	126.6 ft. lbs. @ 6000 RPM
Carburettors	3 twin chokes
Camshafts	4 overhead

The following dimensions are in mm.

Crankcase

Cylinder bore machined and finished.	class	
	A	86.00 - 86.01
	B	86.01 - 86.02
	C	86.02 - 86.03

Main Bearings

Housing	66.675 - 66.688
Housing alignment tolerance	± 0.02

Camshaft

Camshaft journals diameter	24.937 - 24.950
Seat diameter	25.013 - 25.035
Minimum clearance	0.063 - 0.098
Wear limit	0.15
Cam lift inlet	9.3
Cam lift exhaust	8.6

Piston Diameters

Pistons	1st	oversize
	2nd	86.185 - 86.195
	3rd	86.395 - 86.405
		86.605 - 86.615

Crankshaft

Main bearing	Std	62.961 - 62.979
	1st	62.694 - 62.712
	2nd	62.440 - 62.458
Main bearing thickness		1.829 - 1.835
Tolerance		0.026 - 0.069
Big end bearing	Std	43.619 - 43.637
	1st	43.365 - 43.383
	2nd	43.111 - 43.129
Big end bearing thickness		1.712 - 1.718
Tolerance		0.055 - 0.099
Thrust washers	Std	2.310 - 2.360
	Oversize	2.437 - 2.487
End float		0.050 - 0.204
Alignment tolerance		+ - 0.1

Con Rod

Big end bearing housing		47.129 - 47.142
Maximum weight difference		4 grams
Small end bearing housing		23.000 - 23.021
Tolerance		interference fit
Small end bearing	class	
	1	20.012 - 20.015
	2	20.015 - 20.000

Gudgeon pin diameter

Class

1	19.994 - 19.997
2	19.997 - 20.000

Tolerance 0.015 - 0.021

Valves

Valve diameter	early	late
Inlet	39.5	40.0
Exhaust	34.4	34.8

Valve stem diameter	7.975 - 7.940
Tolerance	0.025 - 0.075
Valve to guide tolerance	0.025 - 0.075
Valve seat angle	45 degrees
Valve tolerance from central position	0.02

Valve Guides

Valve guide length	early	late
	46.5	43.5

Outside diameter	13.068 - 13.050
Inside diameter	8.000 - 8.015
Cylinder head guide ID	13.018 - 13.000

Valve Seat

Valve seat width	inlet	exhaust
	1.8	2.0

Valve Springs

	diam.	length
External	24.5	42.1
Internal	16.3	40.4

Load measurement	KG	Length	KG	Length
External	16.6	38.65	60.3	29.6
Internal	12.3	35,05	33.1	26.0

Valve Timing

	opens	closes
Intake	40 deg. BTDC	52 deg. ABDC
Exhaust	53 deg. BBDC	31 deg. ATDC

Ignition Timing

Firing order	1 - 4 - 2 - 5 - 3 - 6
Static advance	10 deg.
Maximum advance	30 deg. at 5800 RPM

Torque Specifications

	ft-lbs	kg-m
Cylinder head	57	8
Main bearing caps	64	9
Con rod ends	54	7.5
Camshaft caps	11	1.5
Flywheel	60	8.5
Cam sprockets	80	11