

LUBRICATION SYSTEM

MAIN BEARINGS
ROD BEARINGS
CAM BEARINGS
PISTON PINS
CYLINDER WALLS
TOTAL ENG. CAP

DIRECT FEED
CROSS FEED
INDIVIDUALLY FED
DRIP FEED
PISTON COOLING JETS
7.5ltr

COOLING SYSTEM

TYPE
CAPACITY
RADIATOR
THERMOSTAT OPENS
FANS
WATER PUMP TYPE
SUPPLIER

PRESSURE
15ltr
FRONT MOUNTED, 3 ROW
82°C
3 ELECTRIC FANS
CENTRIFUGAL
AIRTEX

ACCESSORY DRIVE

TYPE
SUPPLIER

POLY-VEE BELT
LITENS

INDUCTION SYSTEM

MATERIAL
PLENUM VOLUME
SUPPLIER

ALUMINIUM
3.00ltrs
ZEUS

THROTTLE BODY

MATERIAL
THROTTLE BODY SIZE
SUPPLIER

ALUMINIUM
2X52mm
PIERBERG

FUEL RAIL

MATERIAL
SUPPLIER

STAINLESS STEEL
PITTEL

ALTERNATOR

MAXIMUM OUTPUT
SUPPLIER

100 AMP
DELCO

TURBOCHARGERS

TYPE
BOOST PRESSURE
SUPPLIER

T25
1.84 bar (absolute)
ALLIED SIGNAL

LOTUS V8 TWIN TURBO ENGINE

TECHNICAL SPECIFICATION



For further information
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DESIGNED AS A TWIN-TURBO UNIT, IT HAS INTERCOOLING,
NATURALLY ASPIRATED & MOTORSPORT OPTIONS



GENERAL	SWEPT VOLUME POWER (kW) TORQUE (Nm) COMP. RATIO BORE/STROKE FIRING ORDER BORE-TO-STROKE RATIO H.P./LITER WEIGHT FUEL CUT-OFF SPEED BSFC @ 2000rpm 2BAR BMEP MIN BSFC	3506cc 260kW @ 6500rpm 400 @ 4250rpm 8.0:1 83mm/81mm 1-5-3-7-4-8-2-6 1.025:1 100 198kg (DRY) 7400rpm 450g/kW.hr 240g/kW.hr
CYLINDER BLOCK	MATERIAL DESCRIPTION BORE SPACING (CTR. TO CTR.) No. OF BEARINGS DECK HEIGHT SUPPLIER	ALUMINIUM LM25 TF OPEN DECK 96mm 5 214.8mm ZEUS
CYLINDER LINERS	TYPE MATERIAL SUPPLIER	WET CAST IRON AE GOETZE
MAIN BEARINGS	MATERIAL DESCRIPTION SUPPLIER	AL/5N STEEL BACKED TIN/ALUMINIUM KOLBENSCHMIDT
BEARING CAPS	MATERIAL DESCRIPTION SUPPLIER	CAST IRON 4 BOLT WITH 2 CROSS BOLTS GRAINGER & WORRALL
CYLINDER HEADS	MATERIAL DESCRIPTION CHAMBER VOL. GASKET MEAN INLET GAS VELOCITY SPARK PLUG TYPE SUPPLIER	ALUMINIUM LM25 TF CROSSFLOW 37.00cc MULTI LAYER METAL 71.9mls @ MAX POWER BKR6EKC ZEUS
CRANKSHAFT	TYPE MATERIAL COUNTERWEIGHTS CRANK PIN JOURNAL DIAMETER CRANK PIN SPLAY THRUST BEARINGS MAIN BEARING DIA. SUPPLIER	4 THROW, SINGLE PLANE FORGED STEEL 8 47.7mm X 16.5mm NONE 2 65 X 21mm HUNTS
INJECTOR HOUSING	MATERIAL SUPPLIER	ALUMINIUM ZEUS
IGNITION COILS	DESCRIPTION SUPPLIER	DIRECT IGNITION BOSCH
CAMSHAFTS INLET/ EXHAUST	MATERIAL BASE CIRCLE DIA. LOBE LIFT SUPPLIER	CAST IRON 32mm 9.0mm/8.15mm ENGINE POWER COMPONENTS
CAMSHAFT DRIVE	DESCRIPTION	2:1 REDUCTION 1:1 CAM DRIVE

CHAIN TENSIONERS	DESCRIPTION SUPPLIER	STATIC LITENS
VALVE TRAIN	DESCRIPTION	DOHC DIRECT ACTING TAPPETS
INLET VALVE	MATERIAL HEAD DIA. ANGLE OF SEAT STEM DIA. VALVE SEAT DIA. LIFT SUPPLIER	CHROME SILICON STEEL 33.5mm 45° 6mm 34.1mm 9.00mm TRW
EXHAUST VALVES	MATERIAL HEAD DIA. ANGLE OF SEAT/FACE STEM DIA. VALVE SEAT DIA. LIFT SUPPLIER	CHROME SILICON STEEL 30.0mm 45° 6mm 31.1mm 8.15mm TRW
VALVE SPRINGS	TYPE LOAD. VALVE CLOSED LOAD. VALVE OPEN SUPPLIER	SINGLE COIL 340N 740N TEMPERED SPRING
VALVE LIFTERS	TYPE SUPPLIER	32mm DIA HYDRAULIC INA BEARING COMPANY
VALVE TIMING	INLET DURATION INLET VALVE MOP EXHAUST DURATION EXHAUST VALVE MOP	245° 114° BTDC 230° 102° ATDC
FLYWHEEL	MATERIAL SUPPLIER	STEEL WITH INTEGRAL RING GEAR MINI GEARS
PISTONS	MATERIAL PISTON BOWL VOLUME COMPRESSION HEIGHT MEAN PISTON VELOCITY SUPPLIER	CAST ALUMINIUM ALLOY 13.40cc 33.3mm -(5.8mm TOP LAND) 17.6mls @ MAX POWER AE GOETZE
PISTON PIN	PISTON PIN TYPE PISTON PIN DIA.	FLOATING 21.00mm
CONNECTING RODS	MATERIAL LENGTH (CTR. TO CTR.) l/r RATIO SUPPLIER	FORGED STEEL 141mm 3.48 OMNIA
OIL PAN	MATERIAL CAPACITY SUPPLIER	ALUMINIUM LM4 5.5 ltr ZEUS
OIL PUMP	TYPE PRESSURE MIN.(HOT) @ IDLE MAX DELIVERY OIL TYPE	CONCENTRIC WITH CRANKCASE 1.4 BAR 150ltr per min @ 7500rpm FULLY SYNTHETIC 0W30