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.

TABLE OF ENGINE PARAMETERS

/* D 84 cylinder bore diameter /* Z 90 stroke of piston

CYLINDER BLOCK

LCBW1= 103 width of upper area of cylinder block
LCB3 = 9,5 wall thickness at block cross section
DCB9 = 60,2 crankshaft bearing diameter

LCBW2 = 194 width of crank area

LCBH1 = 243,7 height of cylinder block LCB7 = 149.2 length of bore

LCB4 = 15,1 wall thickness at block longitudinal cross section

DBORE = 84 bore diameter

LCB8 = 26 width of crankshaft bearing

LCB10 = 44,2 distance from bore center to bearing center

LBORESPA = 88,3 bore spacing

LCB6 = 379 length of cylinder block

CYLINDER HEAD

HBORESPA = 88,3 combustion chamber spacing (=bore spacing)

HX1= 20,2 distance from exhaust valve centerline to bore centerline HX2 = 18,6 distance from intake valve centerline to bore centerline

HD1= 84 diameter of combustion chamber

HL = 379 length of cylinder head
HD3 = 27,2 seat diameter of intake port
HD4 = 12 valve guide hole diameter
HD2 = 24,6 seat diameter of exhaust port
HD6 = 13 hole diameter for hydraulic element

HW1= 103 width of cylinder head

HK1 = 36,2 distance between valve centerline and centerline of hydraulic element

HB2 = 16 depth of plane for hydraulic element
HB4 = 16 depth of hole for hydraulic element

HS = 109,9 height of cylinder head

HW2 = 199 width of upper area of cylinder head HB1 = 32 depth of plane for spring seat HB3 = 5,81 depth of combustion chamber

HEAD COVER

HCCD = 71,96 distance between camshafts
HCT3 = 11 thickness of external ribs
HCDL = 48,4 diameter of left bearing
HCT2 = 11 thickness of middle rib
HCL = 379 length of cover
HCW = 199 width of cover

HCO = 30,7 height of bearing centerline
HCR = 36 radius of cover casing
HCT1 = 5 thickness of cover wall
HCST = 10 size of cover outer flange

HCOL = 64,3 distance of bearing centerline to cover edge

HCDR = 32,3 diameter of right bearing
HCBS = 20,4 width of middle bearing
HCBL = 26,0 width of left bearing
HCDS = 48,4 diameter of middle bearing
HCBR = 26,0 width of right bearing

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CRANKSHAFT

DCS1 = 34,3 diameter of shaft stud for valvetrain pulley
LCS1 = 42,9 length of shaft stud for valvetrain pulley
DCSPIN = 51,6 diameter of connecting rod journal

LCSRAD = 45,0 length of crank

LCSPINL = 26 length of connecting rod journal LCS3 = 58,1 length of crankshaft counterweight

LCSCHE1 = 17,9 thickness of crank arm
LCSCHEW = 75 width of crank arm
LCSJOL = 26,5 length of main journal
DCSJO = 58,1 diameter of main journal
DCS2 = 91,5 diameter of flange for flywheel
LCS2 = 16,1 width of flange for flywheel
LBORESPA = 88,3 crank spacing (=bore spacing)

CAMSHAFT

LCELK = 431,9 length of camshaft

LS2 = 62,8 distance of 2. intake cam to middle bearing LS1 = 113,8 distance of 1. intake cam to middle bearing

SLL = 26,0 width of left bearing

LV = 9,7 distance between centers of base and peak circles of cam

RZ = 18,3 radius of base circle of cam
RV = 14,0 radius of peak circle of cam

LSL = 229,3 distance of middle bearing from left end of shaft

DLL2 = 25,8 diameter of first shoulder of shaft left end

LL1 = 52,8 distance of left bearing from left end of shaft

SLR = 26 width of right bearing

LL3 = 6,2 length of second shoulder of shaft left end

DLL1 = 48,4 diameter of left bearing
DLR = 32,3 diameter of right bearing
SSL = 20,4 width of middle bearing
DSL = 48,4 diameter of left bearing
diameter of right bearing
diameter of middle bearing

DZ = 24,8 diameter of base circle of camshaft

SV = 16.8 width of cam

DLL3 = 32,0 diameter of second shoulder of shaft left end LV1 = 152,6 distance of 1. exhaust cam to middle bearing LS4 = 113,8 distance of 4. intake cam to middle bearing LS3 = 62,7 distance of 3. intake cam to middle bearing LV2 = 24 distance of 2. exhaust cam to middle bearing LV3 = 24 distance of 3. exhaust cam to middle bearing LV4 = 152,6 distance of 4. exhaust cam to middle bearing

CONNECTING ROD

LCRPT = 12,0 width of small end

DCRPI = 34,8 diameter of bearing for piston pin DCRPO = 43.8 outer diameter of small end

LCR = 156,7 connecting rod length (center to center of bearings)

LCRCW = 79,4 width of big end LCR2 = 22,0 length of big end

DCRCI = 53,6 diameter of big end bearing

LCRCT = 12,0 width of big end LCRT = 9,9 thickness of arm LCRW = 24,6 width of arm [min]

CAP OF CONNECTING ROD

LCR1 = 21,4 length of bearing cap
RCRCO = 38 outer radius of bearing cap
LCRCAPL = 12 width of bearing cap
LCRCW = 79,4 width of big end

DCRC1 = 53,6 diameter of big end bearing

Attachment 15. TABLE OF ENGINE PARAMETERS - PAGE 2

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PISTON PIN

LPP = 71,0 length of piston pin
DPPI = 15,4 inner diameter of piston pin
DPPO = 32,0 outer diameter of piston pin

PISTON

DP = 83,8 diameter of piston

LP2 = 42,0 distance of hole centerline from top of piston

LP = 68,0 length of piston
DPP = 32,0 diameter of piston pin

LPCR = 34,0 length of space for small end of connecting rod

EXHAUST VALVE

LAHAGOI VALVE		
VVL =	94,0	length of exhaust valve
VVD1 =	5,0	diameter of stem of exhaust valve
VVD2 =	24,6	diameter of head of exhaust valve
VVD3 =	3,2	diameter of slots of exhaust valve stem
VVR1 =	6,7	transition radius between head and stem of exhaust valve
VVR2 =	0,8	radius of slot of exhaust valve
VVS1 =	5,52	distance from head stem to 1. slot of exhaust valve
VVS2 =	2,9	distance of two adjacent slots of exhaust valve
VVS3 =	5,8	distance between 1. and 3. slot of exhaust valve
VVH1 =	1,7	height of unbeveled part of head of exhaust valve
VVH2 =	3,9	height of head of exhaust valve
VVA =	45	angle of bevel on head of exhaust valve

INTAKE VAI VE

INTAKE VALVE		
VSR2 =	0,8	radius of slot of intake valve
VSL =	94,0	length of intake valve
VSD1 =	5,0	diameter of stem of intake valve
VSD2 =	27,2	diameter of head of intake valve
VSD3 =	3,2	diameter of slots of of intake valve
VSR1 =	6,7	transition radius between stem and head of intake valve
VSA =	45	angle of bevel on head of intake valve
VSH2 =	3,9	height of head of intake valve
VSH1 =	1,7	height of unbeveled part of head of intake valve
VSS3 =	5,8	distance between 1. and 3. slot of intake valve
VSS2 =	2,9	distance of two adjacent slots of intake valve
VSS1 =	5.52	distance of head stem to 1, slot of intake valve

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