

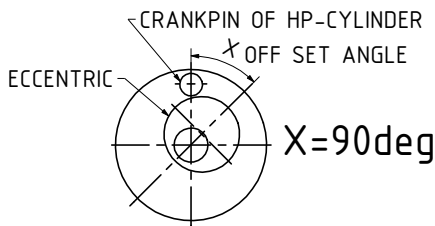
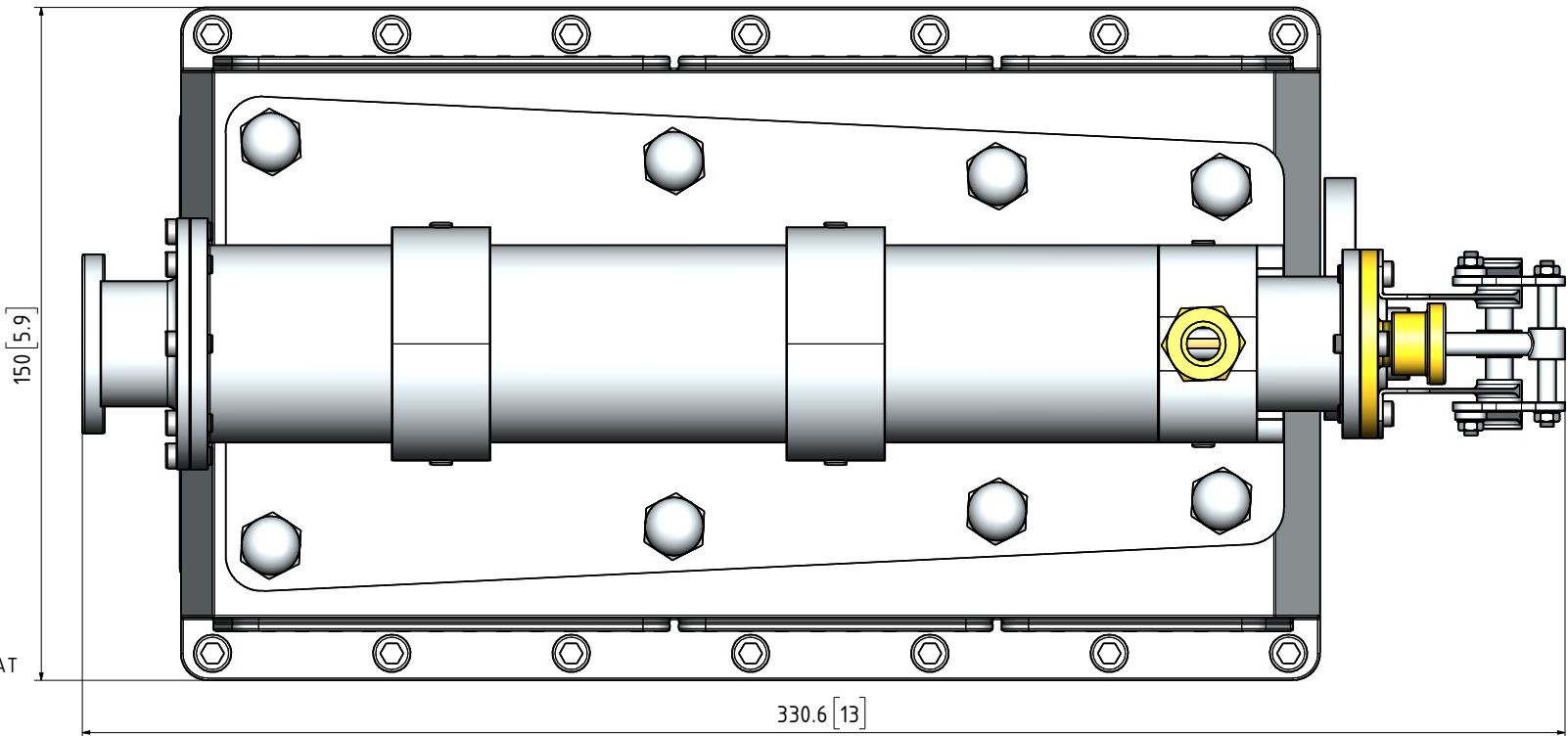
DUE TO THE LACK OF INFORMATION ON THE ORIGINAL DRAWING(S), SUCH AS VIEWS, DIMENSIONS, SECTIONS ETC AND/OR CLARITY OF COMPONENTS, SOME OF THE COMPONENTS MIGHT NOT BE AS CONSTRUCTED ORIGINALLY

THE OFF SET ANGLE OF THE ECCENTRIC IN RELATION TO THE CRANK AXIS TO BE EXPERIMENTALLY DETERMINED FOR THE SMOOTH RUNNING OF THE ENGINE AND SATISFACTION OF THE BUILDER

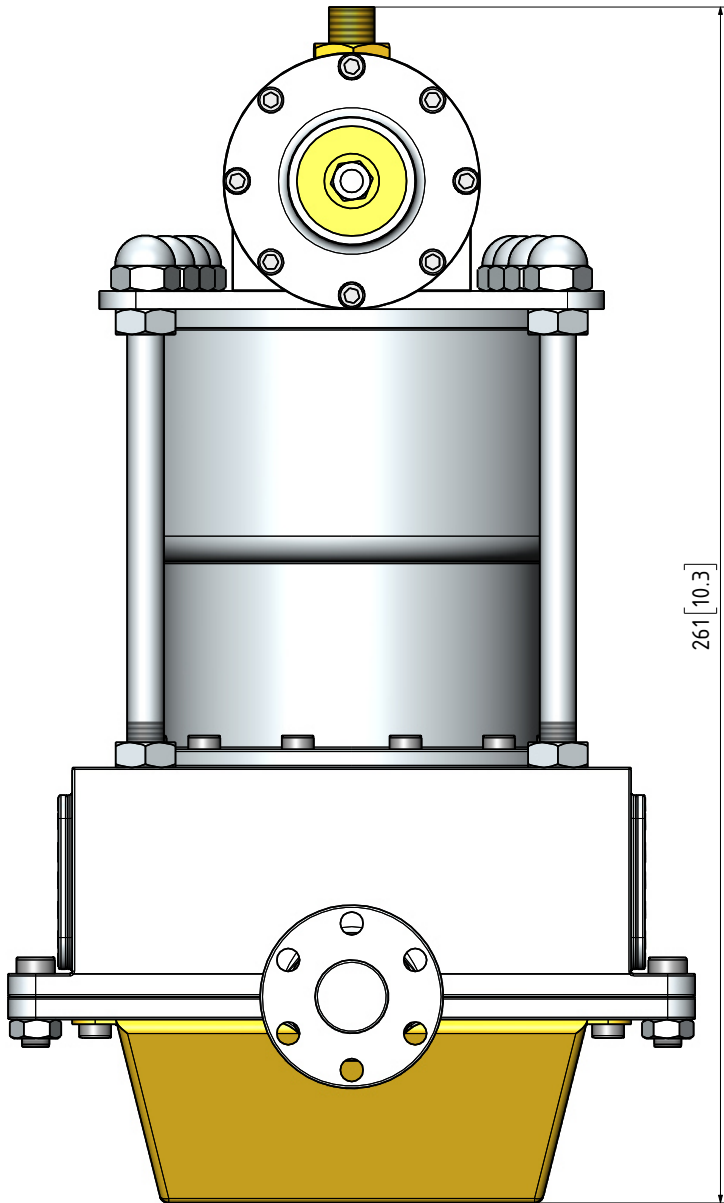
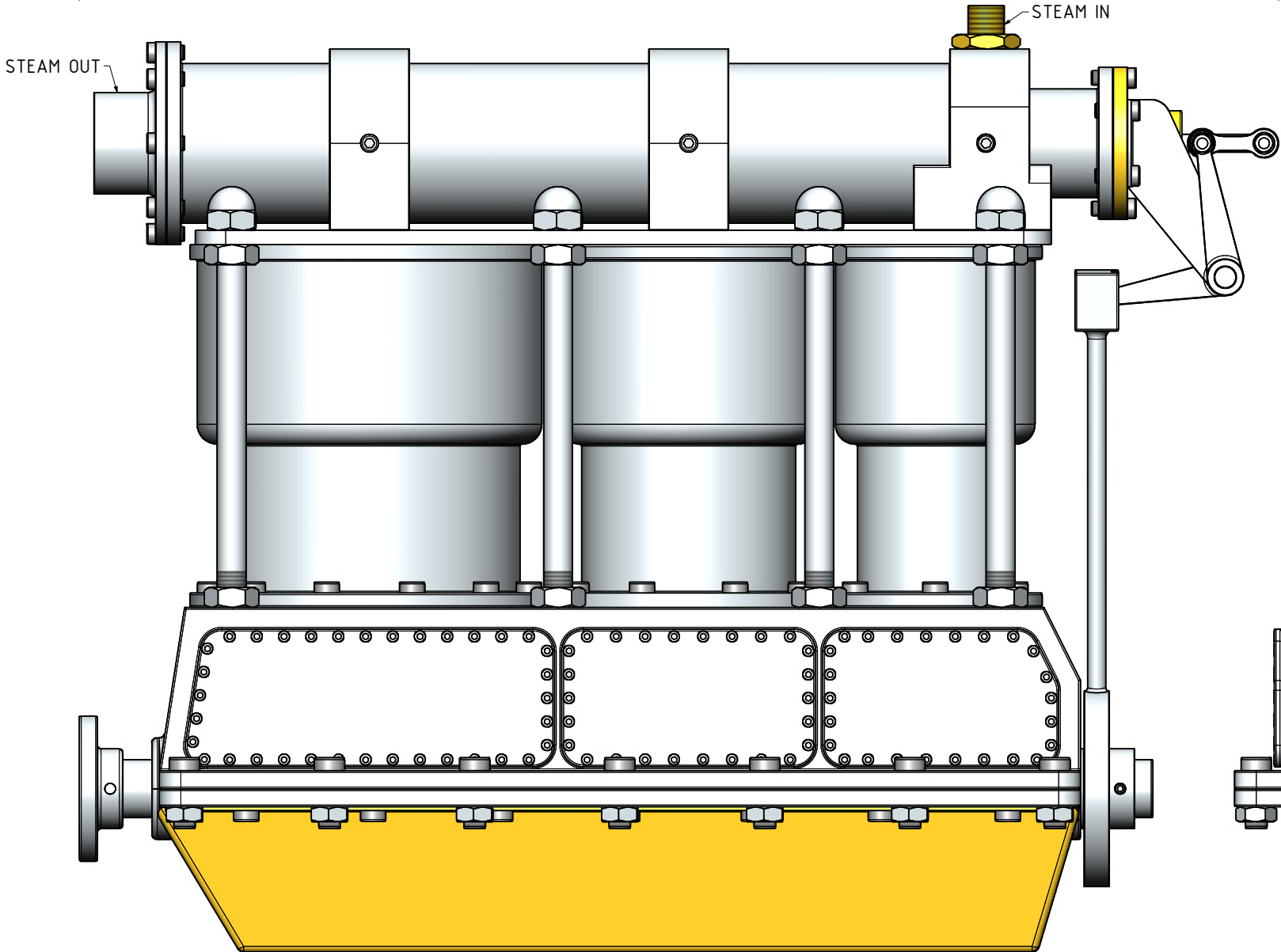
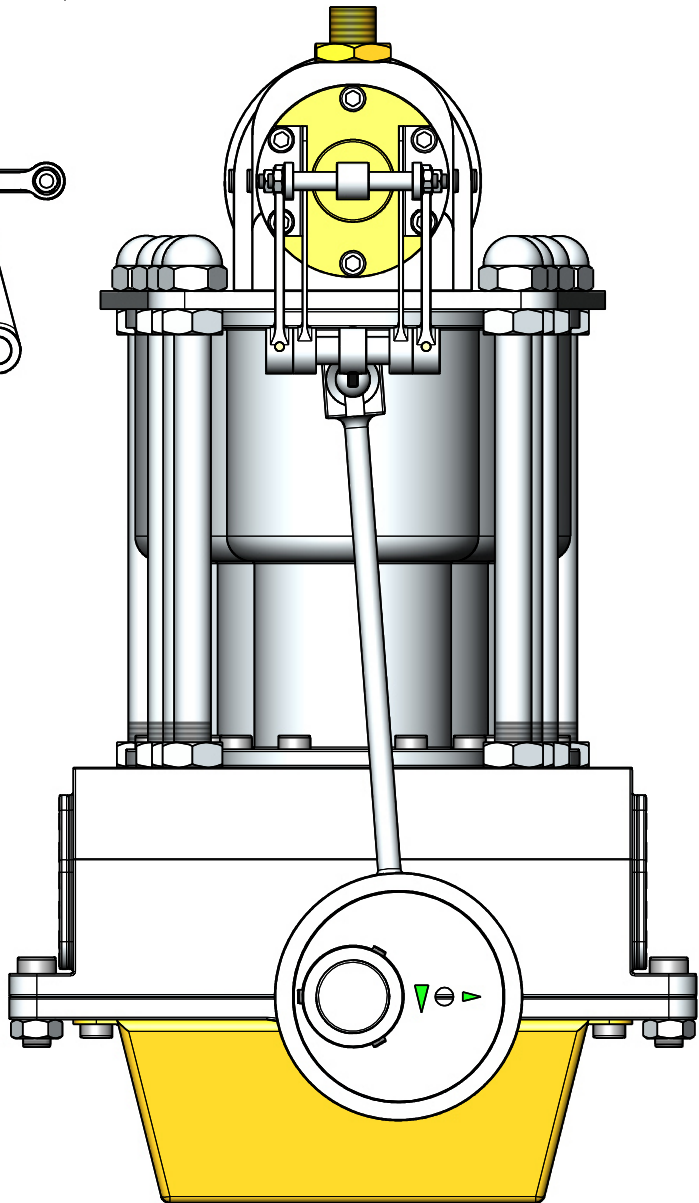
MATERIAL ABBREVIATIONS:

ALU = ALUMINIUM
HALU= HARD ALUMINIUM
BRS = BRASS
BRZ = BRONZE OR GUNMETAL (BRZ/GM)
CI = CAST IRON
CU = COPPER
GRA = GRAPHITE
MS = MILD STEEL/BRIGHT MILD STEEL
SS = SILVER STEEL OR STAINLESS STEEL
SPS = SPRING STEEL
PEEK= POLYETHER ETHER KETONE
SYN = SYNTHETIC MATERIAL SUCH AS VETON, NYLON, TEFLON OR RUBBER
IN GENERAL SYNTHETIC MATERIALS SOULD BE ABLE TO WITHSTAND THE HEAT AND PRESSURE(S) APPLIED TO THEM.

nnn/nnn MEANS THAT EITHER MATERIAL CAN BE USED



QTY.	PART NUMBER
1	09D-24-00-1-01-ENGINE BLOCK
1	09D-24-00-1-02-OIL SUMP
8	09D-24-00-1-03-TIE BOLT
1	09D-24-00-1-04-VALVE CHAMBER
1	09D-24-00-1-05-VALVE CHAMBER LINING
1	09D-24-00-1-06-VALVE GLAND COVER BRACKET
1	09D-24-00-1-06-VALVE GLAND COVER BRACKET
1	09D-24-00-2-01-CRANKSHAFT
1	09D-24-00-2-02-HP-PISTON
1	09D-24-00-2-03-IP-PISTON
1	09D-24-00-2-04-LP-PISTON
3	09D-24-00-2-05-CON-ROD
1	09D-24-00-2-06-ECCENTRIC
1	09D-24-00-2-07-ROCKING SHAFT
1	09D-24-00-2-08-ECCENTRIC STRAP
1	09D-24-00-2-09-SPOOL VALVES
1	09D-24-00-2-10-SPOOL VALVE LINK
1	09D-24-00-M10 SPECIAL NUT
172	09D-24-00-M2x10 A-K C-SINK SCREW
4	09D-24-00-M3 NUT
4	09D-24-00-M3 WASHER
16	09D-24-00-M3x12 A-K C-SINK SCREW
3	09D-24-00-M3x4 A-K GRUB SCREW
6	09D-24-00-M4x10 A-K CYL HEAD SCREW
8	09D-24-00-M4x8 A-K CYL HEAD SCREW
1	09D-24-00-M5 NUT
40	09D-24-00-M5x12 A-K CYL HEAD SCREW
24	09D-24-00-M5x14 A-K C-SINK SCREW
4	09D-24-00-M5x5 A-K GRUB SCREW
2	09D-24-00-M5x8 A-K GRUB SCREW
20	09D-24-00-M6 NUT
14	09D-24-00-M6x16 A-K CYL HEAD SCREW
6	09D-24-00-M6x22 A-K CYL HEAD SCREW
8	09D-24-00-M8 DOME NUT
16	09D-24-00-M8 NUT



NOTES: THE ORIGINAL DRAWING WAS GIVEN TO ME. THE ORIGINAL DRAWING WAS PRINTED IN THE "MARINE ENGINES" MAGAZINE PAGE 1,078, DTAE UNKNOWN.

TITLE A SIMPLE EXPERIMENTAL TRIPLE EXSPANSION
NON REVERSING STEAM ENGINE
(HP-B=35, IP-B=51, LP-B=75mm, S=50mm)

DRAWING CONTENTS
GENERAL ARRANGEMENT, NOTES
AND BILL OF MATERIALS

PROJECT No 09D-24-00
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PROJECTION
DATE JULY 2021
SHEET: 01 OF 05
JDWDS
MODEL SCALE: 1:1
DWG SCALE: 1:1 @A3 OR AS SHOWN
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A3 No: 09D-24-00-SHT01

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