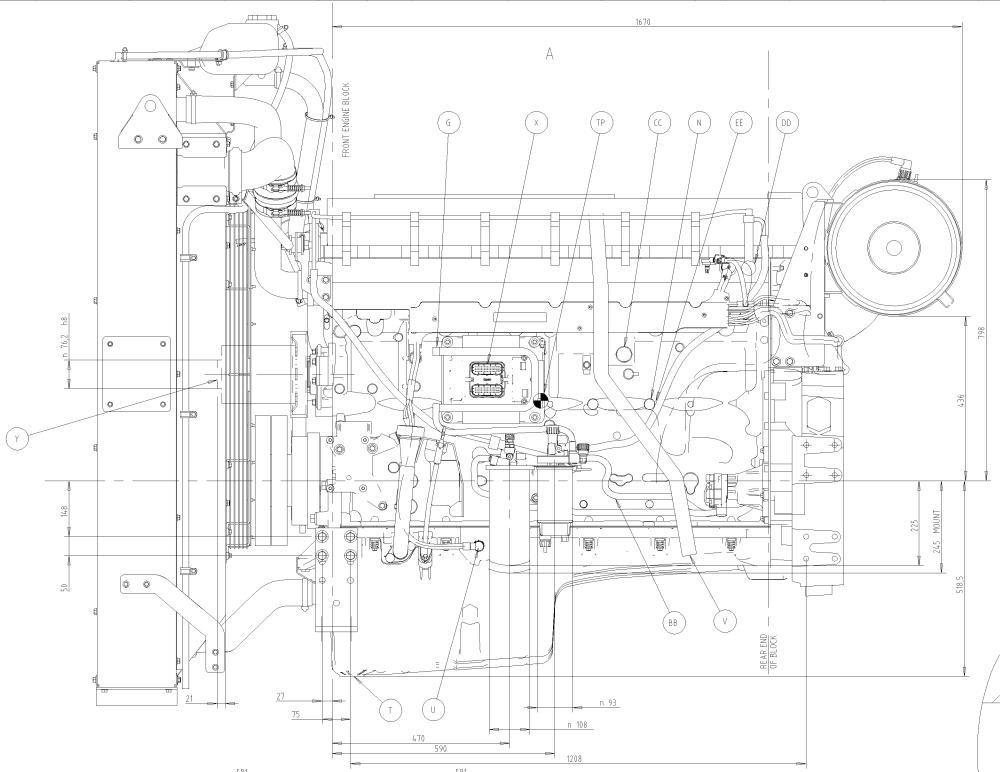

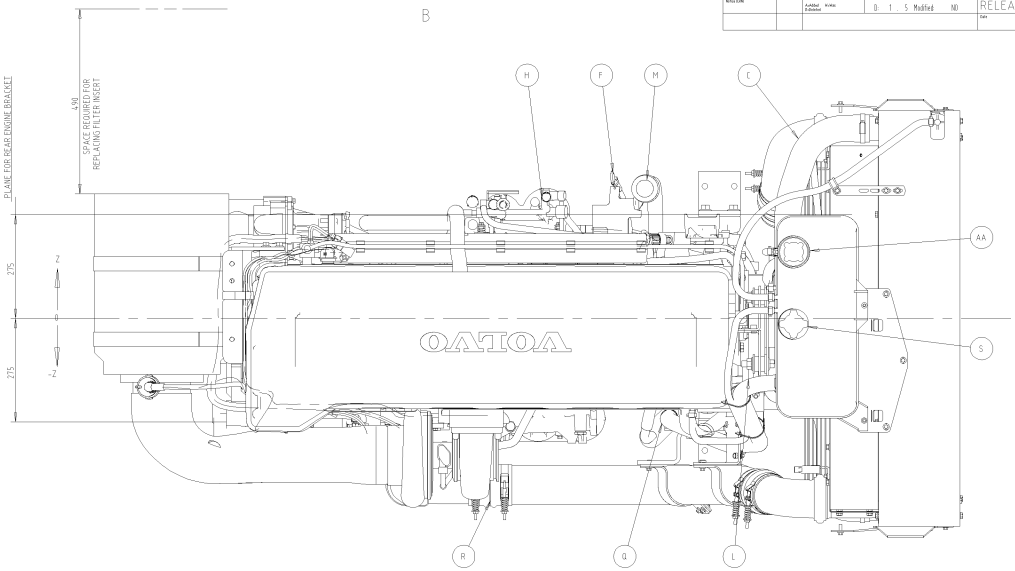

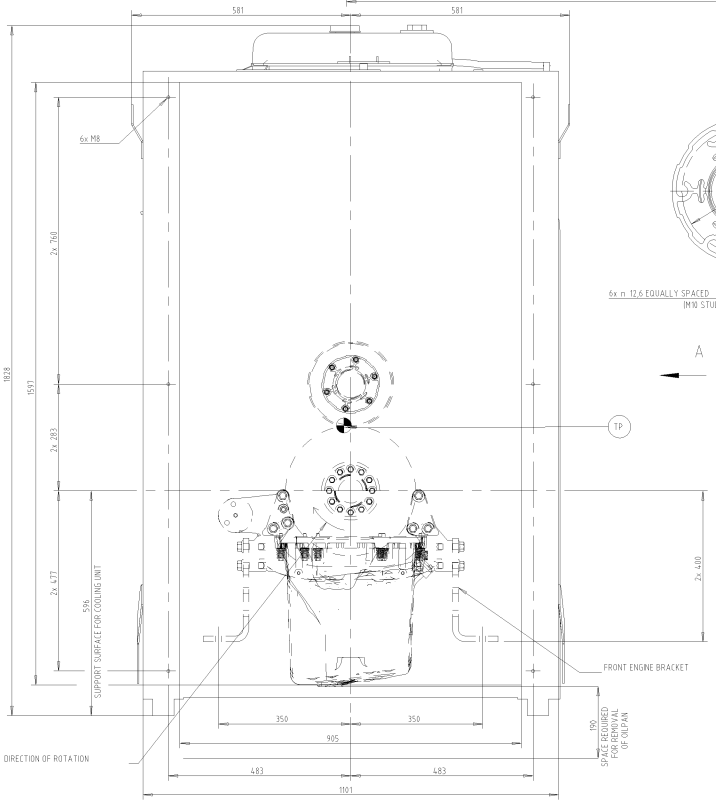

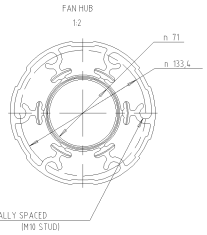

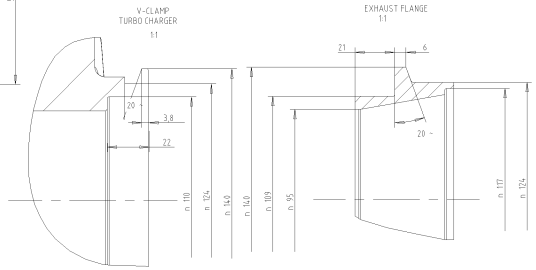

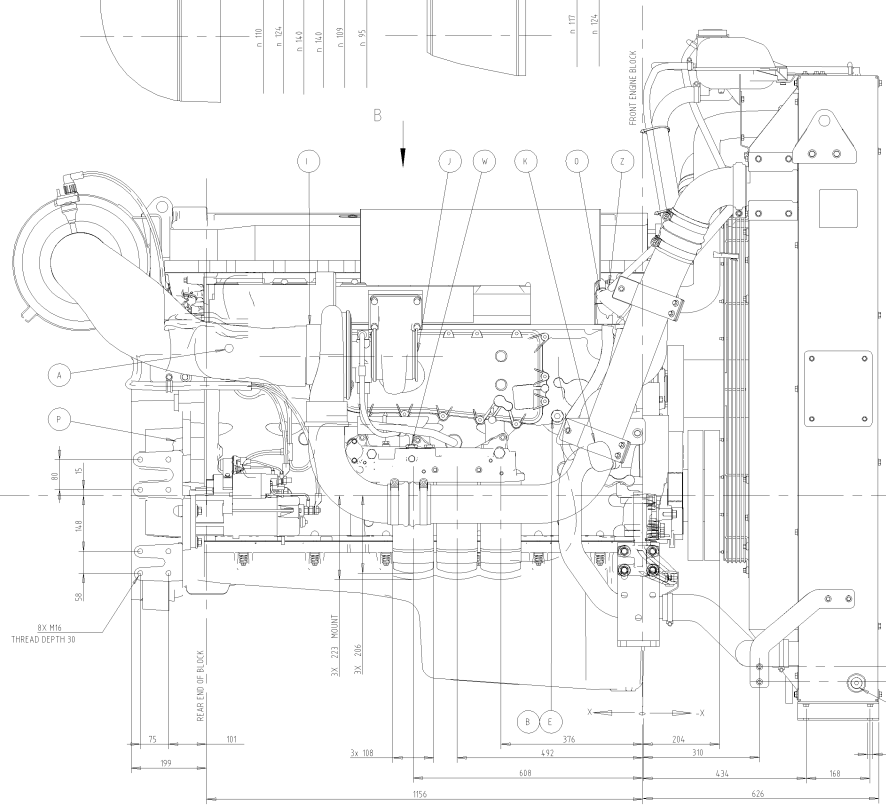

POS	DESCRIPTION	X	Y	Z	NOTE
A	WATER FROM ENGINE HEATER	1096	390	142	PIPE CONNECTION TO FIT n 22
B	WATER TO ENGINE HEATER	226	210	203	M22x1.5
C	CHARGE AIR FROM CAC	-180	813	-334	n 100
E	WATER DRAIN COCK	226	210	203	M22x1.5
F	OIL DIP STICK	295	138	-382	
G	FUEL INLET	268	343	-158	n 9.5
	FUEL INLET OPTIONAL				3/8" NPSF
H	FUEL RETURN	500	72	-308	n 6.35
	FUEL RETURN OPTIONAL				1/4" NPSF
I	AIR INTAKE	920	372	363	n 152.8
J	EXHAUST OUTLET	596	372	363	V-CLAMP n 140
K	WATER INLET	108	103	228	n 60
L	WATER OUTLET	-56	518	163	n 60
M	OIL FILLER CAP	210	146	-343	
N	OIL PRESSURE SENDER	804	203	-120	M16x1.5 (EMS)
O	WATER TEMP SENDER	95	508	210	EMS
P	SPEED SENDER	1260	180	230	M18x1.5 GEAR RATIO 1:1 153 TEETH
Q	FROM EXPANSION TANK	137	176	257	n 32
R	CHARGE AIR TO CAC	646	-20	460	n 100
S	COOLANT REFILL	-215	1189	14	
T	OIL DRAIN PLUG	-45	-510	50	M24x1.5
U	OIL TEMP SENDER	388	-173	-220	EMS
V	CRANK CASE VENTILATION	947	-197	-252	n 38
W	OIL TO AIR COMPRESSOR	612	133	270	
X	CONTROL UNIT				
Y	FAN HUB	-292	282	0	
Z	AIR VENT HOSE n 9.5 TO BE CONNECTED TO EXP.TANK	84	550	210	M12x1.5
AA	PRESSURE CAP	-215	1189	-175	
BB	8 PIN CONNECTOR	725	-42	-310	
CC	AUX. STOP	774	335	-193	
DD	EXTRA COOLANT TEMP SENDER	1120	525	-160	ANALOUGE INSTRUMENT
EE	EXTRA OIL PRESSURE SENDER	841	203	-120	ANALOUGE INSTRUMENT
FF	COOLANT DRAIN PLUG	-567	-497	-551	M22 x 1.5
TP	CENTER OF GRAVITY	552	220	-12	

SCALE: 1:5

ENGINE WEIGHT

MOTOR ONLY:	COOLING UNIT	
DRY : 1480	117	= 1597
WET : 1550	133	= 1683

COOLING UNIT ONLY FOR STATIONARY USE.

FOR FLYWHEEL DIMENSIONS AND ALTERNATIVES SEE DWG: 3591118

Engineering Release Notice (ERN)	Locales	Change description Added Modified Withdrawn	P/A: 0 1 S	Modified No	Document release status: RELEASED
					Date / Modification count

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SYMBOLS, DESIGNATIONS AND GENERAL DRAWING METHODS STD 181-0005

Document title: ENGINE DIMENSIONS TAD 1640-42 GE

Document type: DIMENSION DRAWING

VOLVO PENTA

Document no.	Modification	Sheet no.
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