



PDS	DESCRIPTION	X	Y	Z	NOTE
A	WATER FROM ENGINE HEATER	1096	390	-148	PPE CONNECTION TUBE n 22
B	WATER TO ENGINE HEATER	226	210	-148	M22x1.5
C	CHARGE AIR FROM CAC	-177	805	330	n 100
D	HUMIDITY SENSOR	1665	697	-335	
E	COOLANT DRAIN COUPLER	226	210	-203	M22x1.5
F	OIL DIP STICK	295	136	374	
G	FUEL INLET	275	367	221	n 9.5
H	FUEL INLET OPTIONAL				3/8" NPSF
I	FUEL RETURN	480	64	365	n 6.35
J	FUEL RETURN OPTIONAL				1/4" NPSF
K	AIR INTAKE	881	372	-263	n 106
L	EXHAUST OUTLET	358	340	-265	V-CLAMP n 122
M	WATER INLET	-83	-297	-207	n 60
N	WATER OUTLET	-96	518	-163	n 60
O	OIL FILLER CAP	209	146	344	
P	OIL PRESSURE SENSOR	804	203	120	EMS
Q	WATER TEMP SENSOR	103	529	-211	
R	OPTIONAL SPEED SENSOR	1290	194	237	M18x1.5 GEAR RATIO 1:1 153 TEETH
S	FROM EXPANSION TANK	445	176	-266	n 28
T	CHARGE AIR TO CAC	438	-23	-442	n 90
U	AIR FILTER INDICATOR				
V	OIL DRAIN PLUG	53	-512	-54	M24x1.5
W	OIL TEMP SENSOR	388	-171	189	EMS
X	CRANK CASE VENTILATION	944	-190	290	n 38
Y	OIL TO AIR COMPRESSION	612	133	270	M12x1.5
Z	CONTROL UNIT				
AA	FAN HUB	-290	282	0	
AB	AIR VENT HOSE n 8.5 TO BE CONNECTED TO EXP. TANK	83	549	-245	M12x1.5
AC	COOLANT LEVEL SENSOR				FOR VOLVO PENTA EXPANSION TANK
AD	CONNECTION HARNESS	820	310	240	
AE	AUX. STOP	773	335	198	
AF	EXTRA OIL PRESSURE SENSOR	841	230	120	ANALOGUE INST.
AG	WATER TO COMPRESSOR	1088	340	-148	n 30
AH	WATER FROM COMPRESSOR	110	220	-202	M22 x 1.5
AI	CENTRE OF GRAVITY	559	220	-12	

SCALE: 1:5

FOR FLYWHEEL DIMENSIONS AND ALTERNATIVES SEE DWG: 3591118

ENGINE DIMENSIONS  
 TAD 1648-A2 VE-8  
 DIMENSION DRAWING  
 22361612  
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