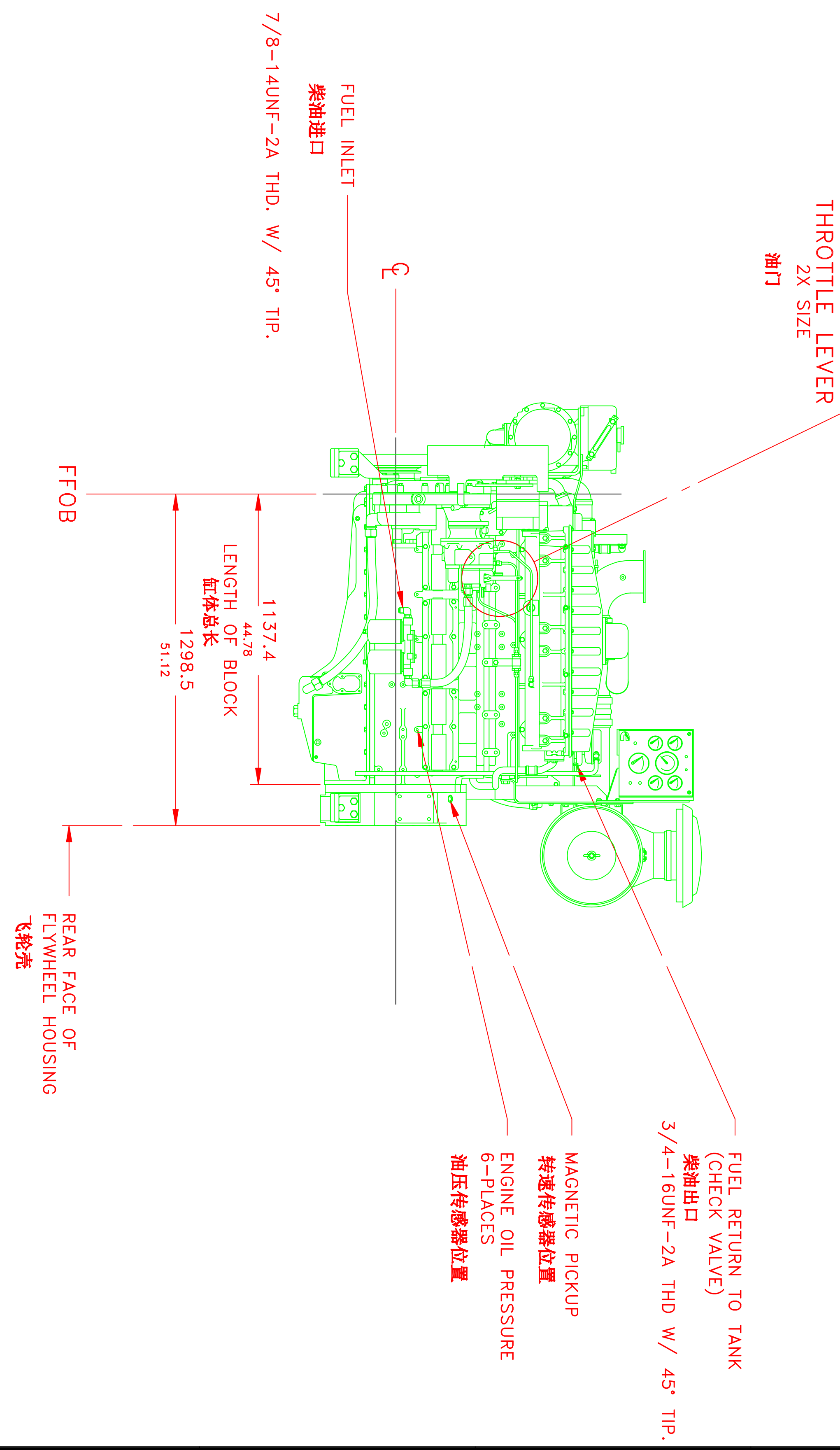
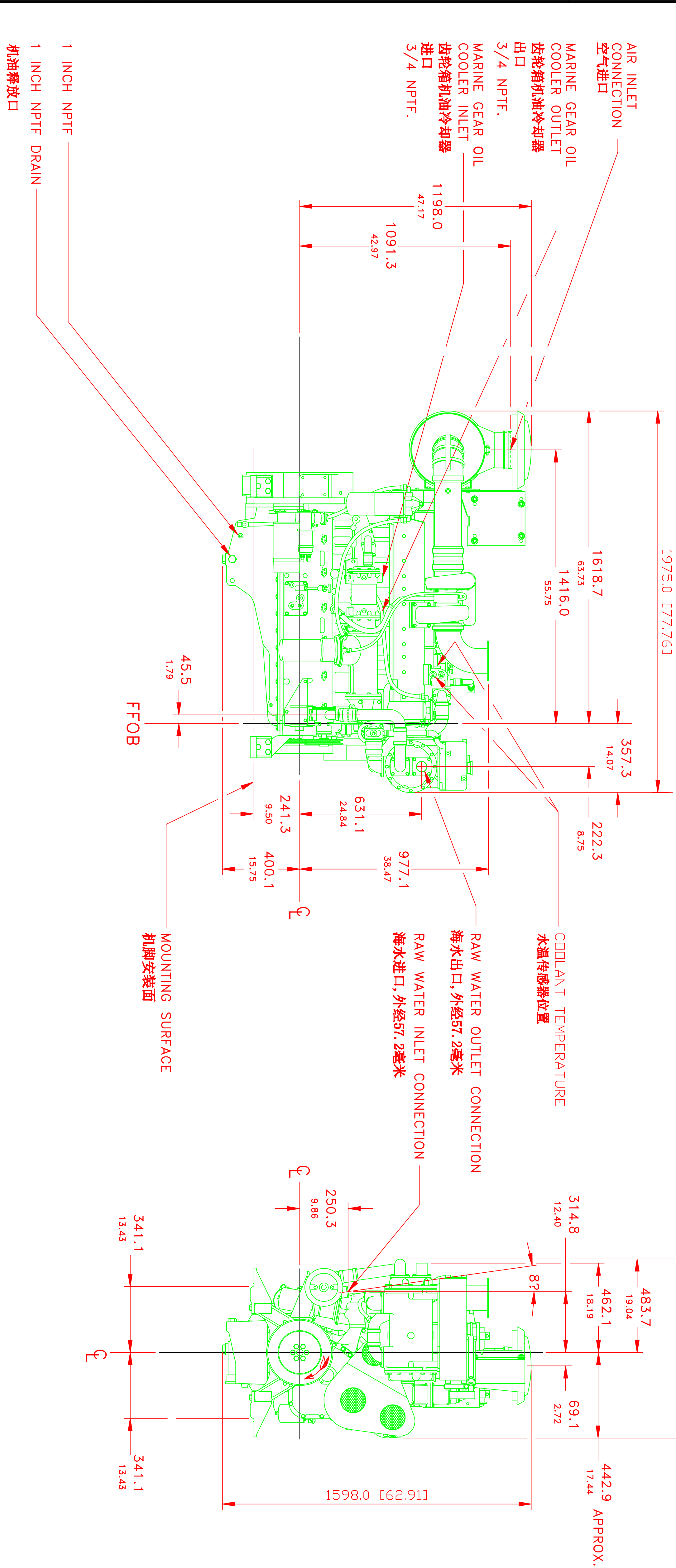
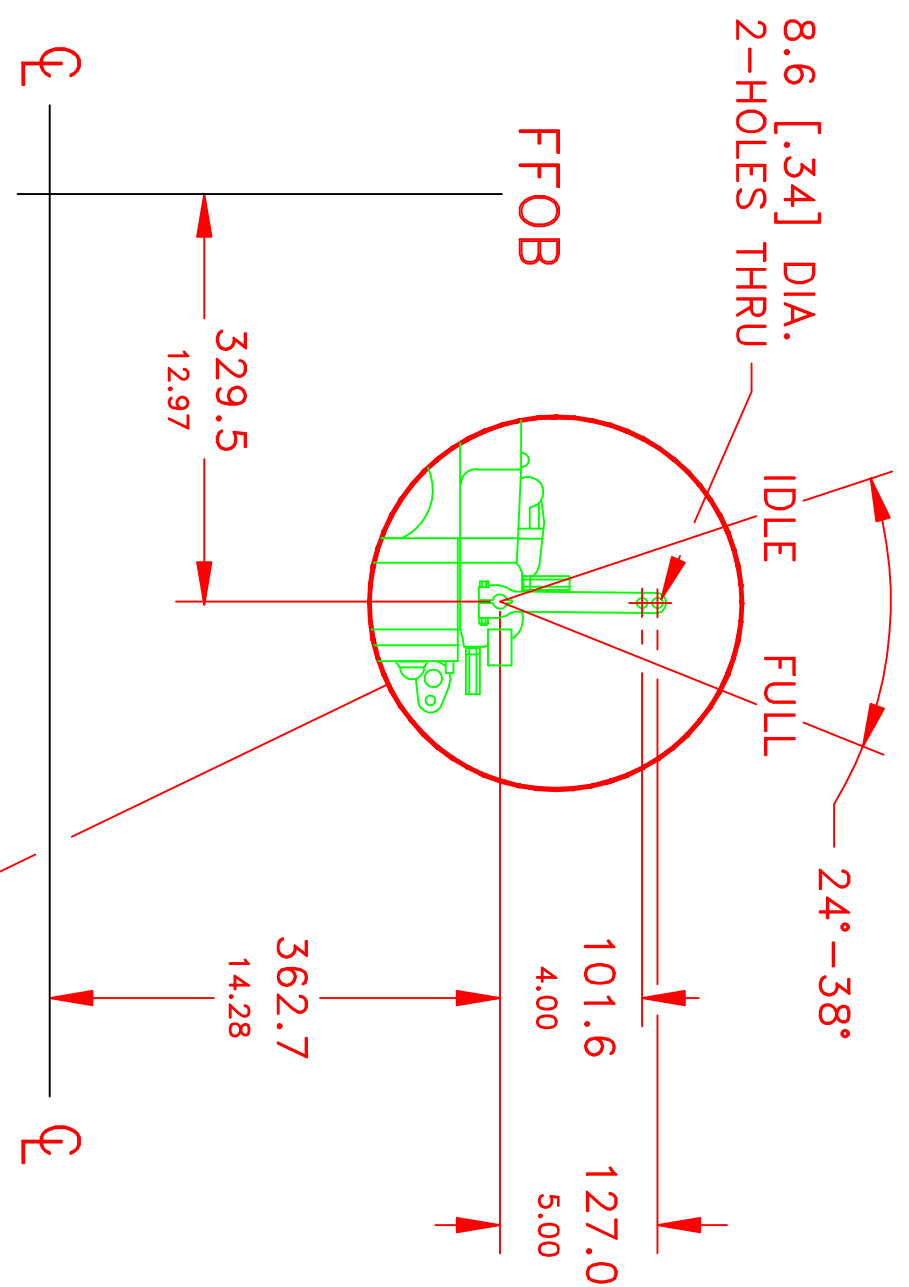
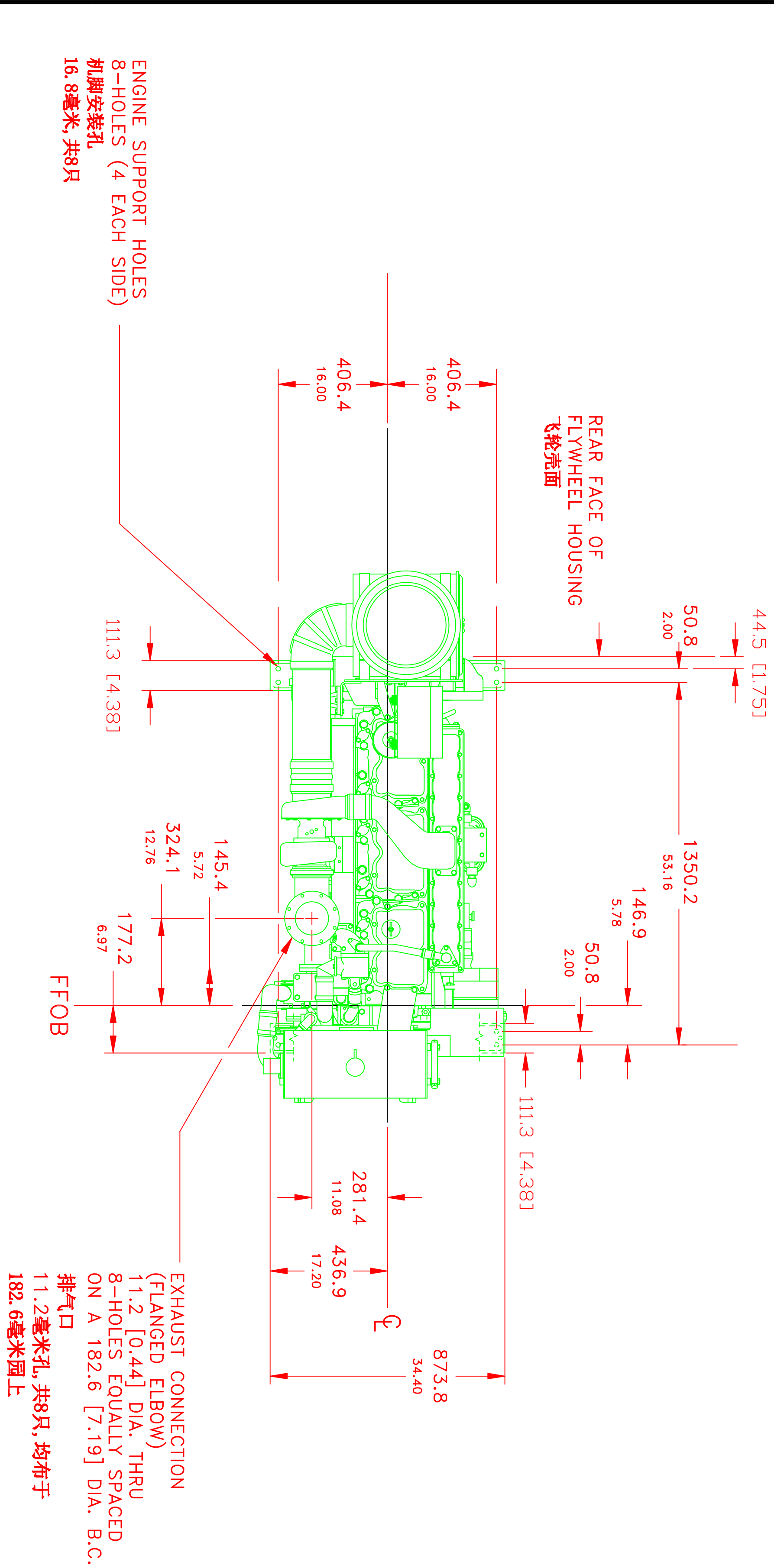


REVISIONS		DATE	BY	DESCRIPTION
1	00	04/11/03	JFC	REVISED AND REDRAWN



ENGINE / MARINE GEAR SERVICE INFORMATION

FUEL INLET: 7/8-14UNF-2A THD. W/ 45° TIP. FUEL RETURN TO TANK: 3/4-16UNF-2A THD W/ 45° TIP. CYLINDER BLOCK DRAIN: 1/4 NPTF. ENGINE SUPPORT HOLES: 16.8 [0.66] DIA. THRU. MARINE GEAR OIL COOLER INLET AND OUTLET: 3/4 NPTF.	RAW WATER INLET CONNECTION: 57.2 [2.25] O.D. RAW WATER OUTLET CONNECTION: 57.2 [2.25] O.D. ENGINE OIL PRESSURE: 1/8 NPTF. ENGINE WATER TEMPERATURE: 1/2 NPTF & 3/4 NPTF. EXHAUST CONNECTION: FOR 127.0 [5.00] I.D. PIPE. AIR INLET CONNECTION: 177.8 [7.00] O.D. MAGNETIC PICKUP: 3/4-16UNF-2B.	AIR CLEANER ELEMENT-REMOVAL DISTANCE: 406.4 [16.00]. CORROSION RESISTOR-REMOVAL DISTANCE: 25.4 [1.00]. OIL FILTER-REMOVAL DISTANCE: 101.6 [4.00]. OIL BY-PASS FILTER-REMOVAL DISTANCE: 25.4 [1.00]. FUEL FILTER-REMOVAL DISTANCE: 15.7 [0.62]. MARINE GEAR OIL FILTER-REMOVAL DISTANCE: 424.7 [16.72] FROM CENTERLINE OF CRANKSHAFT. OIL PAN (DEEP OR SHALLOW)-REMOVAL DISTANCE: 215.9 [8.50]. HEAD-REMOVAL DISTANCE: 101.6 [4.00].
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NOTE:
ALL DIMENSIONS SHOWN ARE
MILLIMETERS
OR
MILLIMETERS [INCHES]

DO NOT SCALE THIS DRAWING

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN:
[] ARE IN:
INCHES

SCALE: 1:10 ITEM CONTROL: SHEET 3 OF 6

SHOWN WITH TWIN DISC MG-514C (DEEP CASE) MARINE GEAR		DATE	BY	DESCRIPTION
LAST SECTION LEFT SIDE AND TAIL	REF. DRAWING ISO 11518	DATE	BY	DESCRIPTION
DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE

Cummins

INSTALLATION DIAGRAM