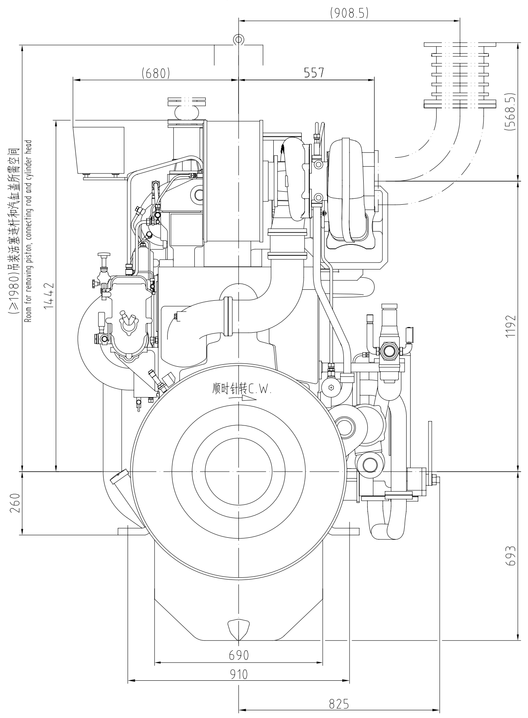
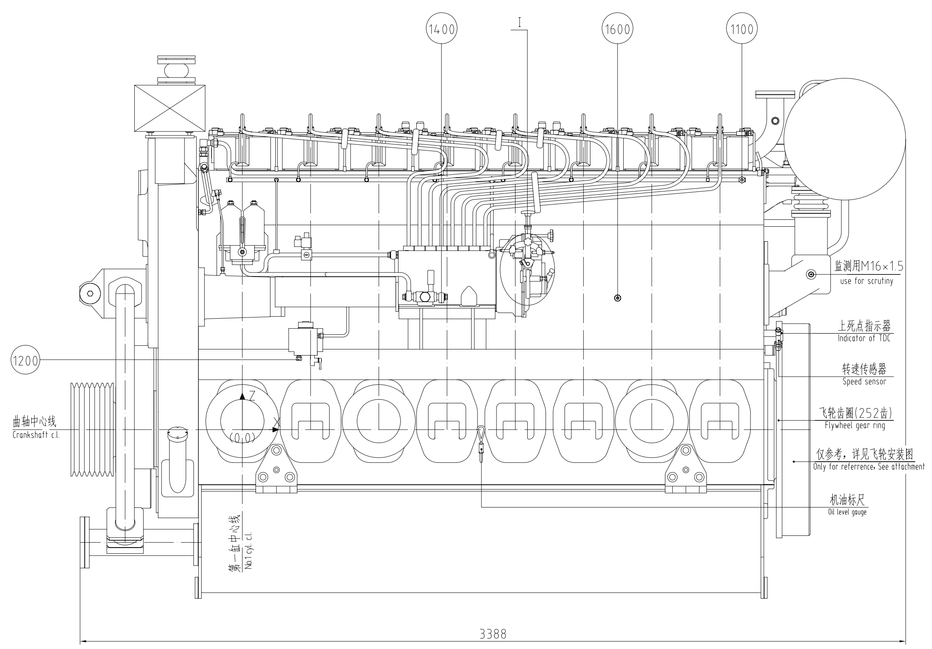
820000000032	登记号 NO.	
	校 准 Appr.	

3D

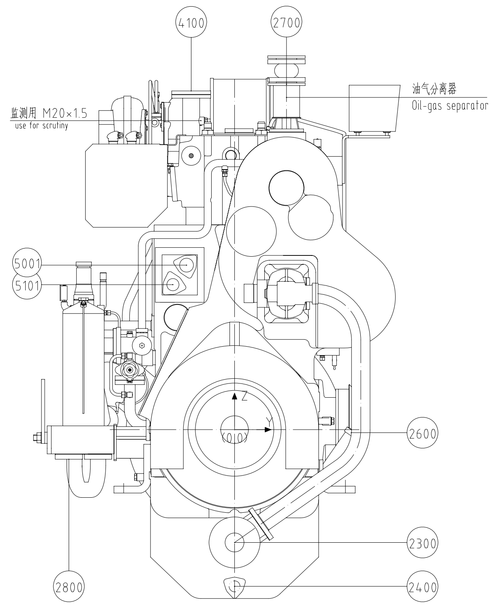
飞轮端
Flywheel end



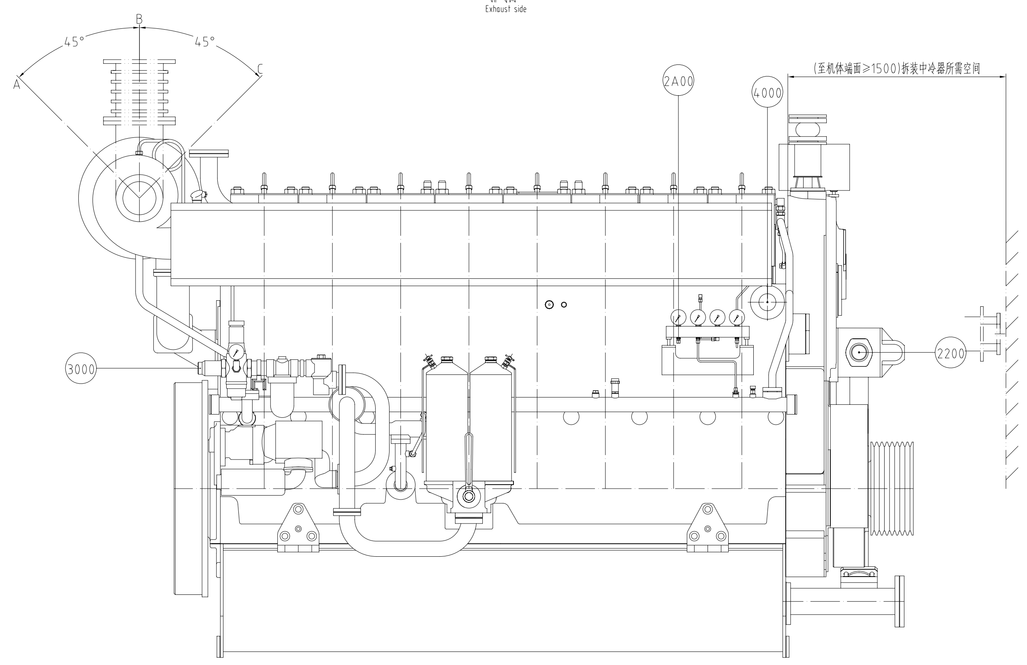
操纵侧
Control side

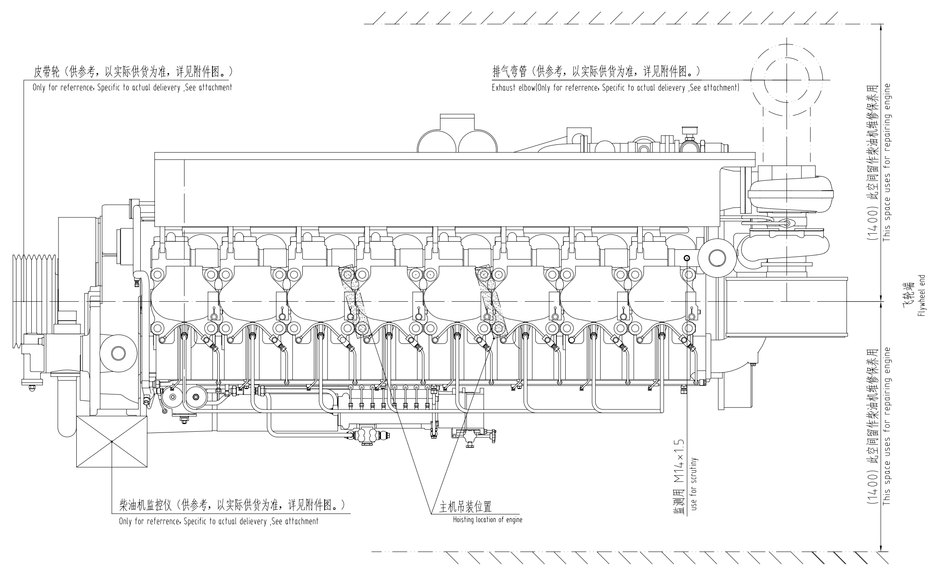


自由端
Free end



排气侧
Exhaust side





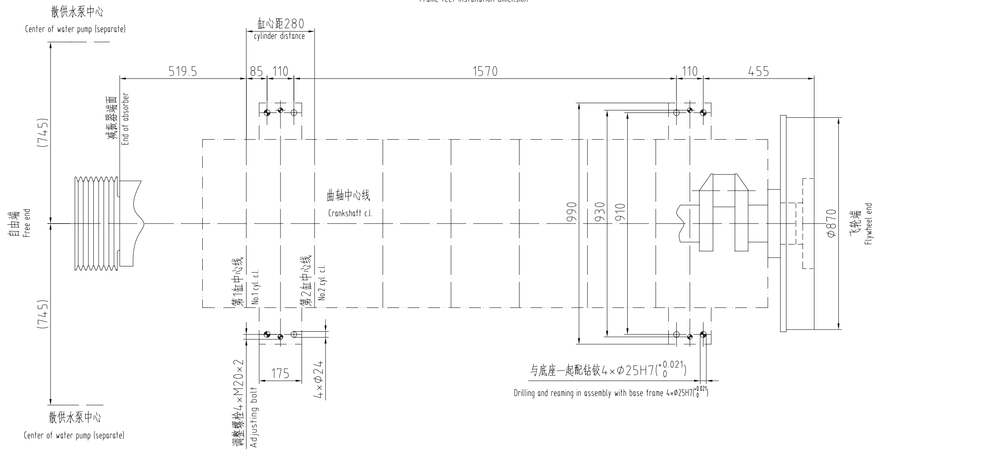
技术要求

1. 本外形安装图为整体泵轻油机型，中冷器(内置式)，淡水泵敞供。
2. 柴油机安装底座应为很平面，且有足够的刚度强度，底座安装平面应与轴系中心线平行。
3. 机外管路安装前要予以彻底洗干净。
4. 排气管路背压要求为≤2.5kPa，排气管直径要求为Φ350×4。
5. 排气弯管根据实际需要可按排气侧视图所示的A、B、C三个位置调整。
6. 接口编号，外形安装图与系统原理图及统一时，可互相混合使用。图中接口编号后带有 "*" 表示配置该部件时接口有效。
7. 当船舶布置为非单机单桨时，两柴油机曲轴中心间距>2000mm。
8. 图中坐标原点[(0，0，0)方曲轴中心线和第一缸中心线火点，各接口位置见附图柱接口尺寸。

Technical requirements

1. This installation drawing applies to One-piece injection Pump diesel engine ，separated fresh water pump and intercooler (built-in)
2. The foundation for the engine must be firm with sufficient intension and rigidity,the upper plane of the foundation must be plane and parallel with the crankshaft center.
3. Pipelines out of engine must be cleaned up before fitting.
4. Back pressure of exhaust pipes≤2.5kPa, diameter of exhaust pipes are Φ350×4.
5. Exhaust syphon can be installed three places based on needs of user which have been explained on the view of control side.
6. Connector identifier, installation drawing and system schematic are uniform, and can be used mutually. The sign after connector identifier "*" expresses that connector is effective when the matching parts are collocated.
7. The distance of crankshaft center ＞ 2000mm,when ship doesn't layout with single diesel and single.
8. The coordinate center is a point between crankshafy center and the first cylinder,every imports and exports has been located in list.

机脚安装尺寸
Frame feet installation dimension



5101	海水出水口 Seawater Outlet	3×Φ12 EQS, Φ90, δ=14, Φ59, R12	Φ57×3.5 X -263 Y -253 Z 595
5001	海水进水口 Seawater inlet	3×Φ12 EQS, Φ90, δ=14, Φ59, R12	Φ57×3.5 X -263 Y -197 Z 675
4100	淡水出水口 Fresh water Outlet	6×Φ14 EQS, Φ160, Φ130, Φ71, δ=14	Φ70×3.5 X 2187 Y -178 Z 1376
4000	淡水进水口 Fresh water Inlet	6×Φ14 EQS, 12, 11, Φ72, Φ114	Φ70×3.5 X -105 Y -338 Z 765
3101*	气动定位器进气口 Pneumatic positioner air inlet	连接方式为卡套螺母连接 Connected by bite type nut	Φ8×1 X 1508 Y 568 Z 737.5
3000*	压缩空气进气口 Compressed air inlet	25, 24, 12	Φ48×3 X 2232 Y -619 Z 494
接口编号 S/N	接口名称 Name	法兰或连接件尺寸简图 Sketch of flange or connecting piece	管子规格pipe standard 坐标位置尺寸 Coordinate dimension

	标配 Standard configurshure	选配（特供） Optional configurshure(special providing)
1.详图 Detailed view to 1	 注：适用于软轴遥控 Note: apply to remote control of flexible shaft	 注：适用于气控遥控 Note:apply to pneumatic remote controll

2800	机油滤器进口 Oil filter inlet	□92, 4-?16, Φ64, Φ56, δ=16	Φ63×3.5 X 1120 Y -680 Z -121.5
2700	曲轴箱通气管出口 Vent pipe outlet,crankcase	4×Φ18 EQS, Φ125, Φ154	Φ57×3.5 X -270.5 Y 213 Z 1528
2600	机油加油口 Oil filler		
2400	机油预供泵接口 Connection of oil priming pump	δ=12, 3×Φ11 EQS, Φ75, Φ33(需现场加工) Field processing, R12	Φ32×3 X -182 Y 0 Z -600
2300	机油备用接口 Spare lube oil connection	4×Φ18 EQS, Φ170, Φ78, δ=18, Φ210	Φ76×3.5 X -648 Y 0 Z -463
2200	机油工作泵出口 Oil pump outlet		Φ63×3.5 X -481 Y 49 Z 559
2A00	滤前压力表检测口 Detective enter of oil pressure gauge before filter	连接方式为卡套螺母连接 Connected by bite type nut	Φ6×1 X 260 Y -403 Z 612
1600	机体泵腔排污口 Drain outlet, my pump cavity	连接方式为卡套螺母连接 Connected by bite type nut	Φ12×1.5 X 1540 Y 345 Z 540
1400	燃油进油口 Fuel oil inlet	Φ16, 6	Φ16×1.5 X 817 Y 550 Z 526.5
1200*	燃油泄漏溢流口 Fuel leakage overfall	连接方式为卡套螺母连接 Connected by bite type nut	Φ10×1 X 232.5 Y 360 Z 299
1100	燃油回油口 Fuel oil return connection	连接方式为卡套螺母连接 Connected by bite type nut	Φ12×1.5 X 2050 Y 360.5 Z 1025
接口编号 S/N	接口名称 Name	法兰或连接件尺寸简图 Sketch of flange or connecting piece	管子规格pipe standard 坐标位置尺寸 Coordinate dimension

重(通)用件登记 Transit part register								名 称 Name	图 号 Drawing No.
图 幅 Tracer								8200柴油机外形安装图	820000000032
重 校 Corrector								Outline installation drawings of 8200 diesel	图样标记 Drawing Signs 重量 Weight
现底图总号 Original base drawing No.									STAT
底图总号 Base drawing No.									页码 Sheet/tl 1/1 比例 Scale 1:10
签字 Signature								材 料 Material	潍柴重机股份有限公司重庆分公司 WEICHAI HEAVY MACHINERY CO.,LTD.CHONGQING BRANCH
日期 Date	标记 Mark	处数 No.	更改文件号 Document	签字 Signature	日期 Date				
	设计 Drawn								
	校对 Corrected			标准化 Check					
	审核 Examined			审定 Approved					
				批准 Date					

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15