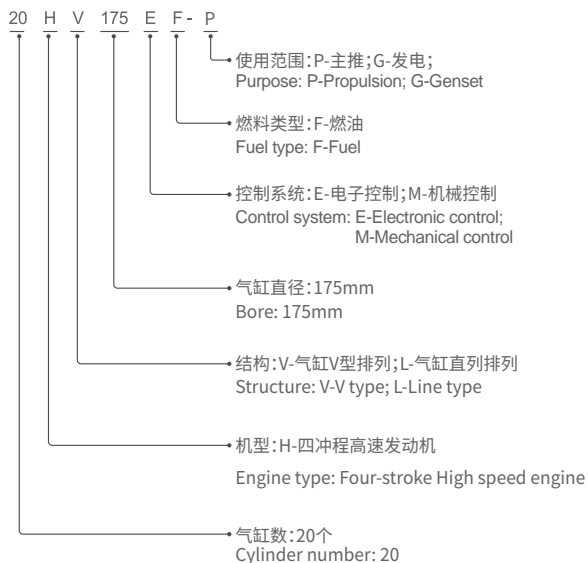


发动机型号说明

Engine type designation



H175系列四冲程高速发动机

Four stroke High speed engine

H175系列高速柴油机可作为公务船、近海运输船、工程船、港口作业船、渔船等船型主机，作为海工作业船、远洋船、江海联运船、游轮等船型辅机，作为发电机组海工平台、分布式电站等提供动力。

H175 series high-speed diesel engine can be used as marine propulsion engine for official ships, coastal vessels, engineering vessels, harbor operational vessels, fishing vessels, etc., as auxiliary engine for marine operational vessels, ocean-going ship, river-sea coordinated ship, cruise ship, etc., as generator set for marine platform and distributed power station.

H175系列高速柴油机满足IMO Tier II 排放标准 (应用SCR装置可达到Tier III)，具有高技术指标、高功率密度、低排放、低油耗、可靠性高、振动及噪声低、大修期长、维修便捷等特点。

H175 series high-speed diesel engine are compliant with IMO Tier II emissions standards (Tier III can be achieved with application of SCR device); It has the characteristics of high technical index, high power density, low emission, low fuel consumption, high reliability, low vibration and noise, long overhaul period and convenient maintenance.

H175系列可为船舶匹配适机型提供了更大的灵活性。设计过程中，考虑了降低制造成本和运营成本的方案，采用了电控高压共轨燃油系统，及高效率增压系统，使H175具备更宽广的运行范围，于不同负荷点可以最佳状态运行，于恶劣海况与泥沙海域具备优秀的应对能力。

H175 Series offers greater flexibility in matching different vessels. In the design process, considering the scheme of reducing manufacturing cost and operating cost, adopting an electronically controlled high-pressure common rail fuel system and high efficiency turbocharge system. These make H175 series in a wider operating range, and can operate optimally at different load points, and has excellent response capabilities in harsh sea conditions and sediments.

○HV175EF-P V型柴油推进主机 V-type diesel for Marine Propulsion

缸径Bore: 175mm

转速speed _____ r/min _____ 2050

平均有效压力MEP _____ bar 24.96bar @ 100%load

*H175推进主机根据功率类型不同，具有无限航区、重载、中载和轻载版。

无限航区版具有15%超负荷能力。

The H175 propulsion engine has different versions depending on the power type, including unrestricted, heavy load, medium load, and low load.

The unrestricted version has a 10% overload capacity.

		kW
额定功率 Rated power	8HV175EF-P	1600
	12HV175EF-P	2400
	16HV175EF-P	3200
	20HV175EF-P	4000

MCR点经济性指标Economical performance

ISO条件燃油消耗率BSFC at ISO conditions _____ 205 g/kWh (100%load)

燃油型式Fuel type _____ -10号/0号船用柴油
(-10#/0# marine diesel)

滑油消耗率Lube oil consumption _____ ≤1 g/kWh

尺寸Parameter	unit	8HV175MP	12HV175MP	16HV175MP	20HV175MP
A	mm	2548	3080	3613	4156
B	mm	1550	1550	1550	1550
C	mm	2100	2100	2300	2300
D	mm	206	206	206	206
E	mm	514	514	514	514
重量Dry weight	ton	6.5	8.7	11.3	14.2

*1) 实际尺寸及重量取决于具体项目

Dimensions and weight are not finally fixed ,Depending on specific project

