

MV450DF-P

V型双燃料推进主机

In-line type dual fuel (DF) engine for Main Propulsion

Tier II **Tier III**

Tier III in gas mode

缸径 Bore: 450mm, 冲程 Stroke: 600mm

转速 speed	r/min	600
平均有效压力 MEP	bar	24.1
型号 Model		功率 kW
12MV450DF-P		13800
14MV450DF-P		16100
16MV450DF-P		18400
18MV450DF-P		20700
20MV450DF-P		23000

MCR 点经济性指标 Economical performance¹⁾

	Gas mode	燃料消耗率 BSFC	能耗 BSEC	热效率 Efficiency
MCR		---	7420kJ/kWh	48.5%
	Diesel mode		燃油消耗率 BSFC	
	(100% Diesel)		185 g/kWh	
	滑油消耗率 Lube oil consumption		0.8g/kWh	

尺寸和重量 Dimension and weight²⁾

缸数 Cyl.No.		12	14	16	18	20
L	mm	10400	11400	12500	13700	14900
W	mm	4600	4600	5200	5200	5200
H1	mm	1500	1500	1500	1500	1500
H2	mm	4000	4000	4000	4200	4200
H3	mm	5500	5500	5500	5500	5500
Dry mass	t	185	216	238	264	286

*1) 基于天然气低热值为45MJ/kg; 燃油低热值42700kJ/kg; ISO工况条件; 燃料消耗已考虑了微引燃油。

This based on the nature gas with low heating value 44.87MJ/kg, diesel fuel with low heating value 42700 kJ/kg and ISO condition, Micro-pilot fuel consumption already considered.

*2) 本尺寸仅作参考, 实际规格以具体项目协议书中定义的尺寸为准。

This size is only for reference. The actual size is subject to the size defined in the agreement of the specific project.

