

# MV450DF-G

V型双燃料发电机组

V type dual fuel (DF) engine for Generator Sets

缸径Bore: 450 mm, 冲程Stroke: 600 mm

**Tier II Tier III**

**Tier III in gas mode**

转速 Speed	r/min	600	600
频率 Frequency	Hz	60	50
平均有效压力 MEP	bar	24.1	24.1
机组型号 Genset Model	主机功率 Engine kW	机组功率 Genset kW <sup>1)</sup>	
12MV450DF-G	13800	13380	
14MV450DF-G	16100	15610	
16MV450DF-G	18400	17840	
18MV450DF-G	20700	20070	

## MCR点经济性指标Economical performance<sup>2)</sup>

MCR	Gas mode (>98.5% gas)	燃料消耗率BSFC	能耗BSEC	热效率Efficiency
@100%	Diesel mode (100% Diesel)	--	7420 kJ/kWh	48.5%
			燃油消耗率BSFC	
			185 g/kWh	
	滑油消耗率Lube oil consumption		0.8 g/kWh	

## 尺寸和重量Dimension and weight<sup>3)</sup>

Cyl.No.		12	14	16	18
L	mm	16450	17500	18700	19900
W	mm	4600	4600	5200	5200
H1	mm	1500	1500	1500	1500
H2	mm	4000	4000	4000	4000
H3	mm	5500	5500	5500	5500
Dry mass	t	230	270	310	350

\*1) 基于标称发电机效率为97%; Based on nominal generator efficiencies of 97% ;

\*2) 基于天然气低热值为44.87MJ/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 44.87 MJ/kg, diesel fuel with low heating value 42700 kJ/kg and ISO condition, Micro-pilot fuel consumption already considered.

\*3) 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.

