

四冲程发电机组

Four-stroke Gensets



CPGC系列四冲程发电机组

CPGC Four-stroke Gensets



ML320F-G

直列型燃油发电机组 In-line type diesel fuel (F) engine for Generating Sets

缸径Bore: 320mm, 冲程Stroke: 420mm

IMO Tier II

转速speed	r/min	720	750
频率frequency	Hz	60	50
平均有效压力MEP	bar	24.7	23.7
缸数Cyl	主机功率Engine kW	机组功率Genset kW ¹⁾	
6	3000	2910	
7	3500	3395	
8	4000	3880	
9	4500	4365	

MCR点经济性指标Economical performance²⁾

MCR @100%	燃油消耗率BSFC	
	179g/kWh@100%load	177g/kWh@85%load
滑油消耗率Lube oil consumption	0.6g/kWh	

尺寸和重量Dimension and weight³⁾

Cyl.No.		6	7	8	9
L	mm	8957	9477	10057	10577
W	mm	2606	2606	2736	2736
H1	mm	1285	1285	1285	1285
H2	mm	2817	2817	3010	3010
H3	mm	5047	5047	5047	5047
Dry mass	t	53	57	70	73

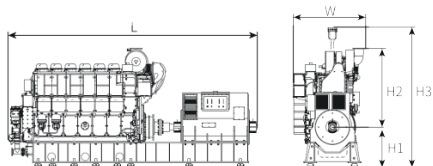
*1) 基于标称发电机效率为97%;Based on nominal generator efficiencies of 97%;

*2) 基于燃料低热值为42700kJ/kg;ISO工况条件

This based on diesel fuel with low heating value 42700 kJ/kg and ISO condition.

*3) 本尺寸仅作参考选型参考,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.



ML320DF-G

直列型双燃料发电机组 In-line type dual fuel (DF) engine for Generating Sets

缸径Bore: 320mm, 冲程Stroke: 420mm

IMO Tier II & Tier III in gas mode

转速speed	r/min	720	750
频率frequency	Hz	60	50
平均有效压力MEP	bar	21.5	20.6
缸数Cyl	主机功率Engine kW	机组功率Genset kW ¹⁾	
6	2610	2530	
7	3045	2953	
8	3480	3375	
9	3915	3797	

MCR点经济性指标Economical performance²⁾

MCR @100%	Gas mode (>99% gas)	燃料消耗率BSFC 165.4g/kWh	能耗BSEC 7423kJ/kWh	热效率Efficiency 48.5%
	Diesel mode (100% Diesel)	燃油消耗率BSFC 185g/kWh		

滑油消耗率Lube oil consumption 0.6g/kWh

尺寸和重量Dimension and weight²⁾

Cyl.No.		6	7	8	9
L	mm	8957	9477	10057	10577
W	mm	2606	2606	2736	2736
H1	mm	1285	1285	1285	1285
H2	mm	2817	2817	3010	3010
H3	mm	5047	5047	5047	5047
Dry mass	t	53.5	57.5	70	73.5

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

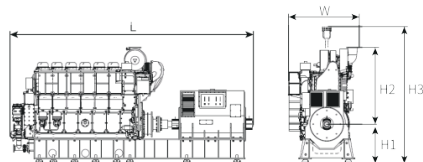
*2) 基于天然气低热值为44.87MJ/kg;燃油低热值42700kJ/kg;ISO工况条件;

燃料消耗已考虑了微引燃油。

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

*3) 本尺寸仅作参考选型参考,实际规格以具体项目协议书中定义的尺寸为准。

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ML320G-G

直列型气体发电机组 In-line type gas (G) engine for Generating Sets

缸径Bore:320mm, 冲程Stroke:420mm

IMO Tier III

转速speed	r/min	720	750
频率frequency	Hz	60	50
平均有效压力MEP	bar	20.0	19.2
缸数Cyl	主机功率Engine kW	机组功率Genset kW ¹⁾	
6	2430	2310	
7	2835	2690	
8	3240	3070	
9	3645	3460	

MCR点经济性指标Economical performance ²⁾

MCR@	燃气消耗率BSGC	能耗BSEC	热效率Efficiency
100%	161.1g/kWh	7229kJ/kWh	49.8%

滑油消耗率Lube oil consumption 0.6g/kWh

尺寸和重量Dimension and weight ³⁾

Cyl.No.		6	7	8	9
L	mm	8957	9477	10057	10577
W	mm	2606	2606	2736	2736
H1	mm	1285	1285	1285	1285
H2	mm	2817	2817	3010	3010
H3	mm	5047	5047	5047	5047
Dry mass	t	52	56	68	72

*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;

This based on the nature gas with low heating value 44.87MJ/kg;

*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.

