

ML390F-G

IMO Tier II & Tier III with SCR

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

缸径Bore:390mm, 冲程Stroke:550mm

转速speed	r/min		600
频率frequency	Hz		50/60
缸数Cyl		主机功率Engine kW	机组功率Genset kW ¹⁾
6		5100	4947
7		5950	5772
8		6800	6596
9		7650	7421

备注:可根据客户需求定制5缸或10缸机型

Note: 5 cylinder or 10 cylinder models can be customized according to customer demands

MCR点经济性指标Economical performance²⁾

MCR	燃油消耗率BSFC	
100%	175g/kWh (共轨R版)	181@g/kWh (机械M版)

滑油消耗率Lube oil consumption 0.8 g/kWh

尺寸和重量Dimension and weight²⁾

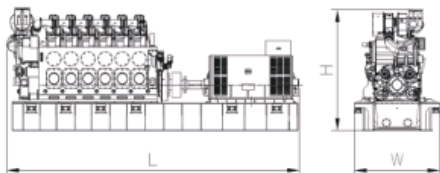
Cyl.No.		6	7	8	9
L	mm	11320	12020	12720	13420
W	mm	2480	2480	2480	2480
H	mm	4820	4820	4820	4820
Dry mass	t	133	141	149	159

*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) 实际尺寸及重量取决于所用发电机 Dimensions are not finally fixed ,Depending on alternator applied



MV390F-G

IMO Tier II & Tier III with SCR

V型燃油发电机组 V type diesel fuel (F) engine for Generating Sets

缸径Bore:390mm, 冲程Stroke:550mm

转速speed	r/min		600
频率frequency	Hz		50/60
缸数Cyl		主机功率Engine kW	机组功率Genset kW ¹⁾
12		10200	9894
14		11900	11543
16		13600	13192
18		15300	14841
20		17000	16490

备注:可根据客户需求定制10缸机型

Note: 10 cylinder models can be customized according to customer demands

MCR点经济性指标Economical performance²⁾

MCR	燃油消耗率BSFC	
100%	175g/kWh (共轨R版)	181@g/kWh (机械M版)

滑油消耗率Lube oil consumption 0.8 g/kWh

尺寸和重量Dimension and weight²⁾

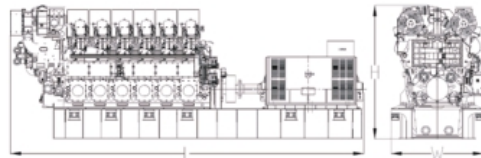
Cyl.No.		12	14	16	18	20
L	mm	13010	13850	14790	15630	16470
W	mm	3450	3450	3450	3450	3450
H	mm	4950	4950	4950	4950	4950
Dry mass	t	176	190	205	219	234

*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;

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● ML390DF-G

IMO Tier II & Tier III in gas mode

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

缸径Bore: 390mm, 冲程Stroke: 550mm

转速speed	r/min			600
频率frequency	Hz			50/60
缸数Cyl	主机功率Engine kW	机组功率Genset kW ¹⁾		
6	3900	3783		
7	4550	4413		
8	5200	5044		
9	5850	5675		

备注: 可根据客户需求定制5缸或10缸机型

Note: 5 cylinder or 10 cylinder models can be customized according to customer demands

MCR点经济性指标Economical performance ²⁾

MCR	燃油消耗率BSFC	能耗BSEC	pilot fuel@gas mode
100%	186g/kWh	7900 kJ/kWh	1.8 g/kWh

滑油消耗率Lube oil consumption 0.8 g/kWh

尺寸和重量Dimension and weight ³⁾

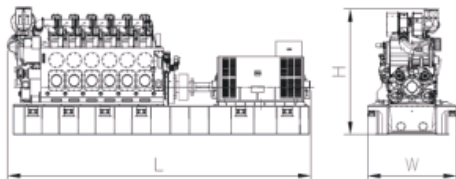
Cyl.No.		6	7	8	9
L	mm	11320	12020	12720	13420
W	mm	2480	2480	2480	2480
H	mm	4820	4820	4820	4820
Dry mass	t	133	141	149	159

*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) 实际尺寸及重量取决于所用发电机 Dimensions are not finally fixed,
Depending on alternator applied



● MV390DF-G

IMO Tier II & Tier III in gas mode

V型双燃料发电机组 V type dual fuel (DF) engine for Generating Sets

缸径Bore: 390mm, 冲程Stroke: 550mm

转速speed	r/min			600
频率frequency	Hz			50/60
缸数Cyl	主机功率Engine kW	机组功率Genset kW ¹⁾		
12	7800	7566		
14	9100	8827		
16	10400	10088		
18	11700	11349		
20	13000	12610		

备注: 可根据客户需求定制10缸机型

Note: 10 cylinder models can be customized according to customer demands

MCR点经济性指标Economical performance ²⁾

MCR	燃油消耗率BSFC	能耗BSEC	pilot fuel@gas mode
100%	186g/kWh	7900 kJ/kWh	1.8 g/kWh

滑油消耗率Lube oil consumption 0.8 g/kWh

尺寸和重量Dimension and weight ³⁾

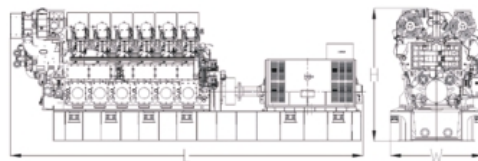
Cyl.No.		12	14	16	18	20
L	mm	13010	13850	14790	15630	16470
W	mm	3450	3450	3450	3450	3450
H	mm	4950	4950	4950	4950	4950
Dry mass	t	176	190	205	219	234

*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.

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Depending on alternator applied



ML390F-N

直列型机械燃油核电应急机组 In-line type mechanical fuel injection(M) engine for Nuclear power station

缸径Bore:390mm, 冲程Stroke:550mm

转速speed	r/min		600
频率frequency	Hz		50/60
缸数Cyl		主机功率Engine kW	机组功率Genset kW ¹⁾
6		5100	4947
7		5950	5772
8		6800	6596
9		7650	7421

备注:可根据客户需求定制5缸或10缸机型

Note:5 cylinder or 10 cylinder models can be customized according to customer demands

MCR点经济性指标Economical performance ²⁾

MCR	燃油消耗率BSFC
100%	184 g/kWh

滑油消耗率Lube oil consumption 0.8 g/kWh

尺寸和重量Dimension and weight ³⁾

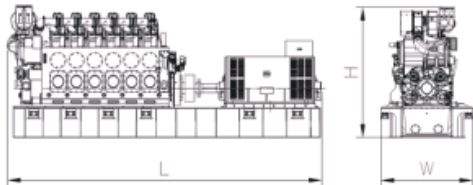
Cyl.No.		6	7	8	9
L	mm	11320	12020	12720	13420
W	mm	2480	2480	2480	2480
H	mm	4820	4820	4820	4820
Dry mass	t	140	150	160	170

*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) 实际尺寸及重量取决于所用发电机 Dimensions are not finally fixed ,Depending on alternator applied



MV390F-N

V型机械燃油核电应急机组 V type mechanical fuel injection(M) engine for Nuclear power station

缸径Bore:390mm, 冲程Stroke:550mm

转速speed	r/min		600
频率frequency	Hz		50/60
缸数Cyl		主机功率Engine kW	机组功率Genset kW ¹⁾
12		10200	9894
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备注:可根据客户需求定制10缸机型

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MCR	燃油消耗率BSFC
100%	184 g/kWh

滑油消耗率Lube oil consumption 0.8 g/kWh

尺寸和重量Dimension and weight ³⁾

Cyl.No.		12	14	16
L	mm	13010	13850	14790
W	mm	3450	3450	3450
H	mm	4950	4950	4950
Dry mass	t	225	250	275

*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

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