

Marine Offshore Engine

H17/28

Main Data | Bore: 170 mm, Stroke: 280 mm

Speed	900 rpm	1000 rpm
	Eng.kW	Eng.kW
5H17/28	575	600
6H17/28	690	720
7H17/28	805	840
8H17/28	920	960

Specific Fuel Oil Consumption at Engine

Load	900 rpm	1000 rpm
100%	188 g/kWh	188 g/kWh

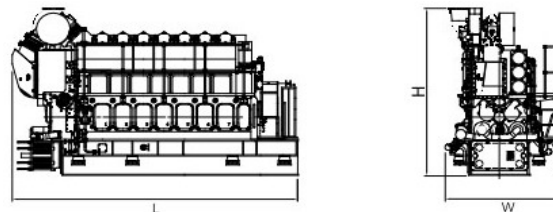
Specific Lubricating Oil Consumption

Lub. Oil: 0.6 g/kWh

Dimensions

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
900 rpm	5	2,791	1,495	2,314	7.7
	6	3,071	1,495	2,314	8.5
	7	3,351	1,495	2,314	9.4
	8	3,631	1,495	2,314	10.4

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
1000 rpm	5	2,791	1,495	2,314	7.7
	6	3,071	1,495	2,314	8.5
	7	3,351	1,495	2,314	9.4
	8	3,631	1,495	2,314	10.4



Remarks

- 1) The MCR will be based on ISO condition.
- 2) Based on LCV 42,700 kJ/kg, HFO operation.
- 3) Warranted at 100% load.
- 4) Power adjusting upto -5% derating is generally accepted, other power adjusting must be consulted with engine builder.
- 5) All dimensions and weight are approximate value and subject to change without prior notice.



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 E-mail: sale@soar.hk
 Phone: +86-4006690588

Marine Offshore Engine

H21/32

Main Data | Bore: 210 mm, Stroke: 320 mm

Speed	1000 rpm	900 rpm
	Eng.kW	Eng.kW
5H21/32	-	960
6H21/32	1,200	1,200
7H21/32	1,400	1,400
8H21/32	1,600	1,600
9H21/32	1,800	1,800

Specific Fuel Oil Consumption at Engine

Load	1000 rpm	900 rpm
100 %	185 g/kWh	183 g/kWh

Exceptionally, 5H21/32 x 900 rpm is 190 g/kWh

Specific Fuel Oil Consumption at Engine (for Higher Power Rating)

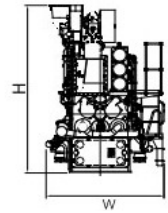
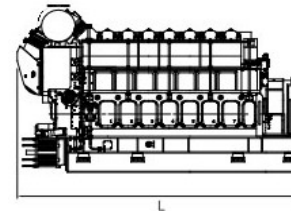
Lub. Oil: 0.6 g/kWh



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Dimensions

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
900 / 1000 rpm	5	3,411	1,610	2,712	13.4
	6	3,781	1,610	2,781	15.1
	7	4,235	1,610	2,781	16.7
	8	4,453	1,610	2,911	18.4
	9	4,783	1,610	2,911	19.8



Remarks

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Marine Offshore Engine

H25/33

Main Data | Bore: 250 mm, Stroke: 330 mm

Speed	720 rpm	750 rpm	900 rpm	1000 rpm
	Eng.kW	Eng.kW	Eng.kW	Eng.kW
6H25/33	1,440	1,500	1,800	1,800
7H25/33	1,680	1,750	2,100	2,100
8H25/33	1,920	2,000	2,400	2,400
9H25/33	2,160	2,250	2,700	2,700

Specific Fuel Oil Consumption at Engine

Load	720 rpm	750 rpm	900 rpm	1000 rpm
100 %	180 g/kWh	180 g/kWh	181 g/kWh	181 g/kWh

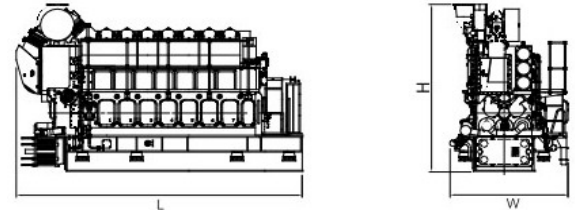
Specific Lubricating Oil Consumption

Lub. Oil: 0.6 g/kWh

Dimensions

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
720 / 750 rpm	6	4,414	1,660	2,961	20.2
	7	4,794	1,660	2,961	22.5
	8	5,311	1,660	3,241	24.1
	9	5,691	1,660	3,371	26.2

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
900 / 1000 rpm	6	4,414	1,660	2,961	20.2
	7	4,794	1,660	3,241	22.5
	8	5,311	1,660	3,371	24.1
	9	5,691	1,660	3,371	26.2



Remarks

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SOAR GROUP

Marine Offshore Engine

H25/33V

Bore: 250 mm, Stroke: 330 mm

Main Data

Speed	900 rpm	1000 rpm
Mean Piston Speed m/s	9.9	11.0
	Eng.kW	Eng.kW
12H25/33V	4,080	4,080
14H25/33V	4,760	4,760
16H25/33V	5,440	5,440
18H25/33V	6,120	6,120
20H25/33V	6,800	6,800

Specific Fuel Oil Consumption at Engine

Load	900 rpm	1000 rpm
100 %	183 g/kWh	183 g/kWh

Specific Lubricating Oil Consumption

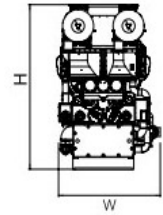
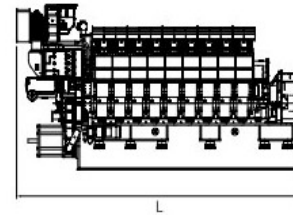
Lub. Oil: 0.6 g/kWh



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Dimensions

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
900 / 1000 rpm	12	5,524	2,060	3,750	33.5
	14	5,944	2,060	3,750	36.5
	16	6,364	2,060	3,750	39.5
	18	6,784	2,060	3,750	42.5
	20	7,204	2,060	3,750	45.5



Remarks

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Marine Offshore Engine

H32/40

Bore: 320 mm, Stroke: 400 mm

Main Data

Speed	720 rpm	750 rpm
Mean Piston Speed m/s	9.6	10.0
	Eng.kW	Eng.kW
6H32/40	3,000	3,000
7H32/40	3,500	3,500
8H32/40	4,000	4,000
9H32/40	4,500	4,500

Specific Fuel Oil Consumption at Engine

Load	720 rpm	750 rpm
100 %	179 g/kWh	181 g/kWh

Specific Lubricating Oil Consumption

Lub. Oil: 0.5 g/kWh

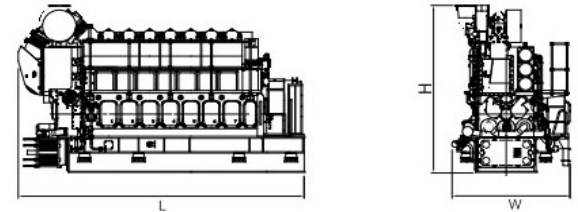


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Dimensions

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
720 rpm	6	5,760	2,300	3,959	33.7
	7	6,112	2,300	4,130	38.6
	8	6,602	2,300	4,130	41.5
	9	7,092	2,300	4,130	44.6

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
750 rpm	6	5,760	2,300	3,959	33.7
	7	6,112	2,300	4,130	38.6
	8	6,602	2,300	4,130	41.5
	9	7,092	2,300	4,130	44.6



Remarks

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Marine Offshore Engine

H32/40V

Bore: 320 mm, Stroke: 400 mm

Main Data

Speed	720 rpm	750 rpm
Mean Piston Speed	m/s 9.6	10.0
	Eng.kW	Eng.kW
12H32/40V	6,000	6,000
14H32/40V	7,000	7,000
16H32/40V	8,000	8,000
18H32/40V	9,000	9,000
20H32/40V	10,000	10,000

Specific Fuel Oil Consumption at Engine

Load	720 rpm	750 rpm
100 %	179 g/kWh	181 g/kWh

Specific Lubricating Oil Consumption

Lub. Oil: 0.5 g/kWh

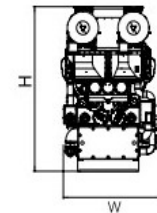
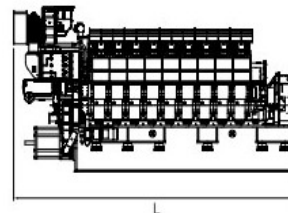


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Dimensions

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
720 rpm	12	6,624	2,650	4,723	56.0
	14	7,295	2,650	4,723	63.3
	16	7,914	2,650	4,723	69.1
	18	8,585	2,650	4,794	76.3
	20	9,344	2,650	4,794	84.0

Speed	cyl.	Dimension (mm)			Dry Mass (ton) Engine
		L	W	H	
750 rpm	12	6,624	2,650	4,723	56.0
	14	7,295	2,650	4,723	63.3
	16	7,914	2,650	4,723	69.1
	18	8,585	2,650	4,794	76.3
	20	9,344	2,650	4,794	84.0



Remarks

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