



HR RANGE MARINE AUXILIARY AIR COOLED DIESELS

18-52 bhp



OPERATIONAL USE

Intended Use: The Lister HR Range auxiliary engines are designed for use as auxiliary power on pleasure craft and commercial vessels.

Installation: Engines must be installed in accordance with the manufacturer's instructions.

Operating Conditions: Engines must be operated at the rated speed and load. The maximum operating speed must not exceed the maximum speed of the engine.

Restrictions: Do not exceed rated speed.

Working Fluids: Use only the fluids specified in the operator's manual. Do not use fluids that are not recommended.

Power Output: The power output of the engine is limited by the manufacturer's specifications. Do not exceed the rated power output.

Restrictions: Do not exceed the rated power output.

TECHNICAL DATA: Power Output

Engine Model	Rated Power (kW)		Maximum Power (kW)	
	HP	kW	HP	kW
1800	18.0	13.2	20.0	14.7
2000	20.0	14.7	22.0	16.2
2200	22.0	16.2	24.0	17.7
2400	24.0	17.7	26.0	19.2
2600	26.0	19.2	28.0	20.7
2800	28.0	20.7	30.0	22.2
3000	30.0	22.2	32.0	23.7
3200	32.0	23.7	34.0	25.2
3400	34.0	25.2	36.0	26.7
3600	36.0	26.7	38.0	28.2
3800	38.0	28.2	40.0	29.7
4000	40.0	29.7	42.0	31.2
4200	42.0	31.2	44.0	32.7
4400	44.0	32.7	46.0	34.2
4600	46.0	34.2	48.0	35.7
4800	48.0	35.7	50.0	37.2
5000	50.0	37.2	52.0	38.7
5200	52.0	38.7	54.0	40.2

	HP	kW
Rated Power	18.0	13.2
Maximum Power	20.0	14.7
Rated Speed (rpm)	1800	1300
Maximum Speed (rpm)	2000	1400
Rated Torque (kgm)	1.0	0.75
Maximum Torque (kgm)	1.1	0.8

Rated Power: The rated power is the power output of the engine at the rated speed and load. The maximum power is the power output of the engine at the maximum speed and load.

Rated Speed: The rated speed is the speed of the engine at the rated power output. The maximum speed is the speed of the engine at the maximum power output.

Rated Torque: The rated torque is the torque output of the engine at the rated power output. The maximum torque is the torque output of the engine at the maximum power output.

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PERFORMANCE



PERFORMANCE





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STANDARD EQUIPMENT

On the Lister range, all cylinders have the same wet sump lubrication system. The HR 50 is an optional, full conversion kit. Special features include an oil separator, cooling fan, fan motor, cooling fan speed, a built-in water separator and fuel filter.

ACCESSORIES

- Air filter — standard on all
- Proximal and main oil filter
- Exhaust valve, cooling fan, fan motor
- Marine engine speed/motoring
- Bilge pump and alarm
- Battery charger 10 and 20
- Fuel injection — glow plug
- Water pump electric — 12v or 24v
- Glow plug electric ignition system
- Oil filter — glow plug starting
- Lubrication system for marine engine
- Exhaust pipe, flange and elbow
- Drain — 60° steering angle, standard for marine service
- Handover valve
- Remote control valve
- Battery remote start kit
- Fuel oil separator
- Diesel-water filter
- In-cylinder water separator
- 24v glow plug

PHYSICAL DIMENSIONS — HR



	HR 30	HR 40
Overall height	280	280
Overall width	300	300
Overall depth	210	210

ENGINE SPECIFICATION (24v single)

	HR 30	HR 40
Net output (kW)	19	28
Net output (hp)	26	38
Net output (CV)	26	38

*The overall weight of the engine with accessories and fuel filter is 200 kg (440 lb) for HR 30 and 250 kg (550 lb) for HR 40. The weight of the engine with accessories and fuel filter is 250 kg (550 lb) for HR 30 and 300 kg (660 lb) for HR 40. The weight of the engine with accessories and fuel filter is 300 kg (660 lb) for HR 30 and 350 kg (770 lb) for HR 40.



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