

BAUER MARINER II-D PROFI-LINE DIESEL SERIES

MODEL CAPACITY: 6-12 CFM / 170-350 L/MIN
HIGH PRESSURE BREATHING AIR COMPRESSOR



SYNERGY
INNOVATIVE DIVING EQUIPMENT TRADING LLC
INSPIRING • ENGINEERING • INNOVATION



The BAUER MARINER II-D Series is a mobile diesel-powered high-pressure breathing air compressor range designed for commercial diving, offshore, marine, and industrial applications.

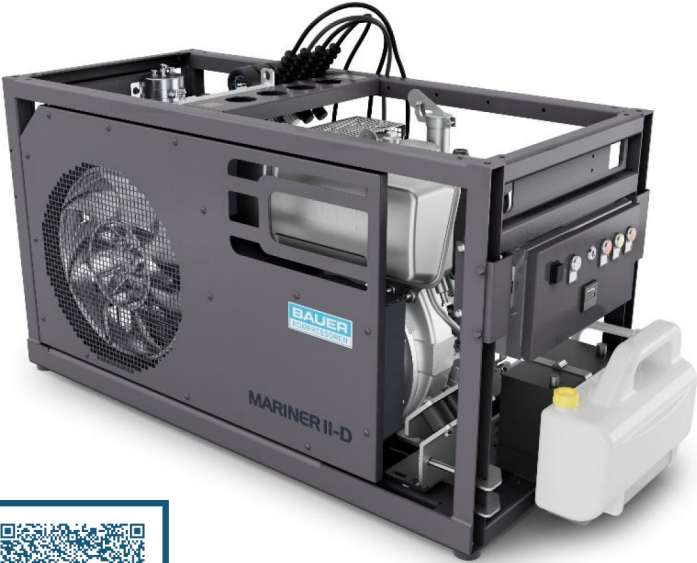
Available from 170 to 350 L/min (6 to 12 CFM), the series delivers reliable high-pressure air compression, efficient purification, and dependable operation in remote and demanding environments.

STANDARD EQUIPMENT

- Compressor block with forced-feed oil pump lubrication
- Micronic intake air filter (10 µm)
- Air-cooled stainless steel intermediate and aftercoolers
- Intermediate separators after each stage (except 1st)
- Final mechanical oil/water separator
- TÜV-approved final pressure safety valve
- Pressure maintaining and check valve after final stage
- Robust steel crash frame complete with integrated foldout handles for easy transport.

APPLICATIONS

Commercial Diving	Marine Operations	Offshore Rigs
Cylinder Filling	Field Operations	Remote Worksites



TECHNICAL SPECIFICATIONS:

Parameter	Specification
Medium	Air
Intake Pressure	Atmospheric
Filling Pressure	PN200 / PN300
Nominal Pressure / Final Pressure Safety Valve	225 bar / 330 bar
Working Pressure / Pressure Switch	220 bar / 320 bar
Permissible Ambient Temperature	+5 to +45 °C
Permissible Altitude	0 to 1000 m AMSL
Maximum Permissible Inclination	15°
System Design	Open
Compressor Oil	Synthetic
Oil Change Interval	Every 2 years / 1,000 h
Finish	RAL 7024

OPTIONAL EQUIPMENT

- Switch-over device PN 300 / PN 200 with dual safety valves
- Additional intermediate separator downstream of 1st stage (for high humidity/tropical operations)
- B-TIMER (mini-computer operating hours & cartridge monitoring),
Telescopic intake tube, Trolley with pneumatic tires.
- 10 Liter condensate collecting tank (5L usable capacity)
- Frame extensions / Stacking feet for storage and forklift handling

Note:
1) Operating compressors in altitudes > 1000 m AMSL on request
2) In longitudinal direction of the compressor unit



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BAUER MARINER II-D

PROFI-LINE DIESEL | TECHNICAL COMPARISON SHEET

COMPRESSOR SYSTEM COMPARISON

Specification	170 L/min	250 L/min	300 L/min	320 L/min	350 L/min
Charging Rate ¹	170 L/min	250 L/min	300 L/min	320 L/min	350 L/min
Purification System	P21/350	P31/350	P31/350	P31/350	P31/350
Power Draw	4.1 kW	5.5 kW	6.6 kW	6.6 kW	6.6 kW
Cooling Air Flow, Min.	1,800 m³/h	2,370 m³/h	2,370 m³/h	3,000 m³/h	3,000 m³/h
Sound Pressure Level	92 dB(A)	95 dB(A)	95 dB(A)	95 dB(A)	95 dB(A)
Weight in kg ²	158 kg	250 kg	250 kg	315 kg	315 kg
Dimensions (L × W × H) ²	110 × 58 × 62.5 cm	150 × 60 × 72.5 cm	150 × 60 × 72.5 cm	150 × 60 × 72.5 cm	150 × 60 × 72.5 cm

¹ Measured during cylinder filling from 0–200 bar, tolerance ±5% at +20°C ambient temperature.

² Standard model. Weight and dimensions may vary depending on accessories.

DRIVE SYSTEM COMPARISON

Specification	170 L/min	250 L/min	300 L/min	320 L/min	350 L/min
Motor	Diesel	Diesel	Diesel	Diesel	Diesel
Power	5.0 kW	7.9 kW	7.9 kW	10 kW	10 kW
Model	Hatz	Hatz	Hatz	Hatz	Hatz
Type of Construction	1B30	1B50	1B50	1D81	1D81
Type	4-stroke diesel engine	4-stroke diesel engine	4-stroke diesel engine	4-stroke diesel engine	4-stroke diesel engine
Speed Approx.	3,600 1/min	3,600 1/min	3,600 1/min	3,000 1/min	3,000 1/min

STANDARD INTAKE HOSE: Unit incl. intake hose, length 3 m.

MANUAL ENGINE STARTING: Units without control system: Start of the diesel engine via manual start (1B50: pull start / 1D81: crank start).

NOTE: The pull start is difficult to operate, especially at low temperatures.



Call Us

  0044 795 196 6260
  00971 50 564 8178

Email Us

 ram@synergiequipment.com
 info@synergiequipment.com

Visit Us

 Al Qusais Industrial Area 1, Dubai.
 www.synergiequipment.com