

Ingersoll Rand Marine

Marine Air Solutions



Stay connected to Ingersoll Rand – your global supplier of choice

For more than 100 years Ingersoll Rand has inspired progress by driving innovation through revolutionary technology and talented people.

It's a legacy of creating new standards for how the world gets work done. We're the technology leaders in compressed air and productivity solutions – not because we develop class-leading products, but also because we stand behind our customers in all aspects of what we do.

No matter what your product, process or location, Ingersoll Rand has the expertise, the technology, and the unmatched services to meet your needs.

Worldwide connectivity

Wherever the ship will dock and wherever the dock may be, an Ingersoll Rand Customer Centre will not be far away.

Our network of certified, factory trained technicians and engineers are a phone call away - ready to support you with innovative and cost effective sales of parts and service solutions that will keep you operating at peak performance and prepared for your next voyage.



Marine Air Compressors

Bulk Handling and Air Separation Compressors

Ingersoll Rand offer specially designed air compressors for the Marine Industry. The compressors are specially designed for the Marine Environment and can be individually tested and approved by the vessels designated approval body. They include unique features required by the marine industry. The Marine Air compressors are manufactured on a special marine production line.

Our main products are:

- Starting air compressors NOBO certified.
- Working and instrument air compressors.
- Adsorption air dryers and refrigerated air dryers.
- Compressed air filters.
- Air receivers according Classification Society rules.
- Bulk handling compressors & low pressure air blowers.
- Air Separation compressors.

Reliability right to the core

The core feature / benefits developed by the “voice of the customer” and listening to marine customers, ship owners and shipyard requirements;

- Small footprint.
- Certified by the appropriate third party.
- Remote connectivity to ships control systems.
- Sea water coolers with 90/10 CU/NI piping.
- Environmental protection, IP55, anti-condensate heaters.
- Intellisys control panel with intuitive heads up display.
- Fully interconnected and ready to go.
- Customised features - modulation / soft start / voltage options / power outage restart.



Star delta starter.
Soft start is optional.



Sea water coolers. Shell and tube facilitates cleaning.



Multi stage separation provides low coolant carry over.

Technical Specifications - Bulk Handling and Air Separation Applications

Model	Rated Pressure				Max Pressure				Flow				Nominal Power	Dimensions (mm) L x W x H	Max Ambient	Inlet/Outlet Connection	Air Discharge
	7.5	8.5	9.8	12.8	7.7	8.7	10	13	10.2	9.2	8.5	6.5	55	2180x900x1840	50°C	DN25	DN50
M55	7.5	8.5	9.8	12.8	7.7	8.7	10	13	10.2	9.2	8.5	6.5	55	2180x900x1840	50°C	DN25	DN50
M75	7.5	8.5	9.8	12.8	7.7	8.7	10	13	12.9	12.2	11	8.4	75	2180x900x1840	50°C	DN25	DN50
M90	7.5	8.5	9.8	12.8	7.7	8.7	10	13	16.7	15.3	14	11.5	90	2770x1320x1664	50°C	DN32	DN50
M110	7.5	8.5	9.8	12.8	7.7	8.7	10	13	20	19.2	17.5	14.5	110	2770x1320x1664	50°C	DN32	DN50
M132	7.5	8.5	9.8	12.8	7.7	8.7	10	13	23.5	22.3	21	17.5	132	2770x1320x1664	50°C	DN32	DN50
M160	7.5	8.5	9.8	12.8	7.7	8.7	10	13	28.5	26	25	21	160	2770x1320x1664	50°C	DN32	DN50

Unit performance measured according to ISO1217:1996 annex C. Reference conditions: 1 bar a, 0% RH, 20°C ambient. Approved for non essential duty.

Working Air Compressors

Working Air Marine compressors, ready to use, can be delivered with different pressure and flow variants.

Main features include rugged and durable rotary screw compressor, low oil carry over, low noise level, minimum maintenance required. There are many different options to suit the application including ambient temperatures up to + 50°C. Very small footprint means they do not take up much space. We can supply for a variety of voltage and frequency variants. Ingersoll Rand's robust rotary screw compressor elements:

- TEFV IP55 drive motor with class F insulation and limited temperature rise for continuous running operation.
- Heavy duty inlet filter for efficient operation in harsh conditions.
- Multi stage separation providing low 3ppm carry-over for prolonged life of down stream components.
- Aluminum cooler block with fins and tabulators ensures ideal running.
- On board control and monitoring provides optimal operating efficiency and reliability
- Large number of options to meet your specific needs.



Low pressure blowers

The Silent Flow range is made up of a group of rotary lobe blowers designed to circulate air or neutral gases in a non-hazardous environment. This range is composed of a wide choice of high and medium pressure models. It incorporates recent requirements of EPD (European Pressure Directive) and CE safety issues.

- Flows from 15 m³/h (9 cfm) to 9 000 m³/h (5294 cfm).
- For air and neutral gases.
- Differential pressure to 1 bar (14.5 psig) gauge.
- Vacuum to 500 mbar abs (15 "Hg).
- For ship application available without enclosure.
- Minimum footprint.
- Easy filter and oil changes.
- Ergonomic and compact design.
- High noise attenuation.
- Automatic belt tensioning system.
- Enclosure developed to meet stringent noise levels.
- Forced ventilation by motorised fan unit.

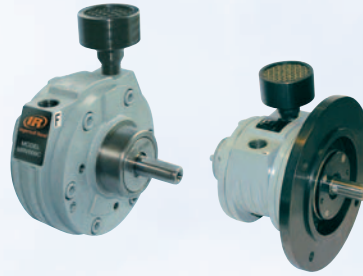


Productivity solutions, making life easier for marine applications

Atex Air motors

Certified to Atex zone 1

- Direct drive multi vane motors
 - MRV & MVA series
- In line planetary gear multi vane motors
 - M002, M004 and M007 series motors
- Air starter motors
 - A range of engine start motors



Air and Hydraulic Hoists

Certified to Atex zone 1

- MLK series hoists
 - 0.25 to 1 metric ton capacity
- HLK series hoists
 - 1 to 6 metric ton capacity
- Palair lube free hoists
 - 0.25 to 2 metric ton capacity
- Liftchain pneumatic and hydraulic hoists
 - 1.5 to 100 metric ton capacity
- Trolleys
 - Full selection of plan, geared and motorised trolleys available for all hoists



Liftchain Chain Hoist and motorised trolley



Palair Plus Chain Hoist



HLK Chain Hoist

Utility and Manriding Air Winches

Certified to Atex zone 1

- Utility winches
 - For lifting, pulling or tensioning
 - Portable models from 0.15 to 2 ton capacity
 - Heavy capacity models from 2 to 10 tons
- Manriding winches
 - Dedicated winches for offshore oil and drilling
 - Capacities from 150 to 3100kg
 - All winches have type approval certificates from DNV, ABS or LRS



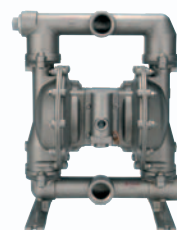
LS Manrider



LS gear motor winch

Force 5 piston motor winch

Carbon Fibre Series Pump



Metallic Series Pump



2141PSP Composite Impactool



2934B25P-EU Alloy Impactool

Ingersoll Rand offers a complete range of process diaphragm pumps and air operated tools which are also Atex approved.



Ingersoll Rand Industrial Technologies provides products, services and solutions that enhance our customers' energy efficiency, productivity and operations. Our diverse and innovative products range from complete compressed air systems, tools and pumps to material and fluid handling systems and environmentally friendly microturbines. We also enhance productivity through solutions created by Club Car®, the global leader in golf and utility vehicles for businesses and individuals.

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Member of Pneurop

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