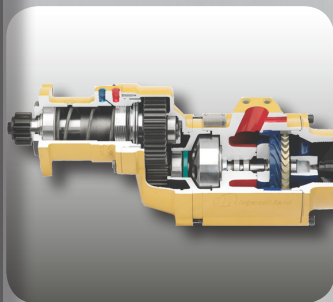




Kyodo USA is a leading supplier and distributor of Ingersoll Rand compressed air solutions to the marine and offshore sectors, offering a complete range of air motors, starters, hoists, pneumatic tools and compressors.

We offer world class reliability with well-known Ingersoll Rand quality and performance for a wide range of compressed air solutions onboard sea-going vessels and off-shore rigs.

Scope of Supply:

- Starters
- Hoists
- Pneumatic Tools
- Compressors
- Air Motors

Quality Assurance:

- Full manufacturer warrantee
- Factory original works certificate
- Certified ISO 9001 Quality Management System
- Conform to IMPA and ISSA codes
- Class certificates whenever required

Key Customers:

- | | |
|-------------------|------------------|
| • Container Ships | • Ferries |
| • Tankers | • Tug Boats |
| • Cruise Ships | • Naval Vessels |
| • Bulk Carriers | • Off-Shore Rigs |

**QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV**

ISO 9001:2008

Starter Key Features

- No internal lubrication necessary
- Sealing option for air and gas applications
- Left and right-handed rotation available
- 30–150 psi operation

Hoist Key Features

- Capacities ranging from 1/8 to 100 tons
- Meets ASME B30.16 specifications
- Spark resistant models available
- Wear tested to over 1 million cycles before replacement

Compressor Key Features

- Ranges between 90–160 kW
- Small footprint (95cm x 295cm)
- Easy and limited maintenance

Pneumatic Tools Key Features

- Safe operating in hazardous conditions
- 150 degree to 300 degree temperature rate
- 0.10 to 30 horsepower

Pneumatic Tools Key Features

- Diversified product line from grinders to sprayers and sanders
- HVLP (High volume low pressure) technology



About Our Global Fleet Maintenance Program

Customers with repeat orders and projected purchasing requirements are welcome to take advantage of our Global Fleet Maintenance Program. This program is highly customized and designed to meet your specific technical and logistical requirements which will include:

- Warehousing and guaranteed stock position of critical spares
- Dynamic fleet maintenance spares and supply management program
- Volume discount to meet any budget and safety requirements
- Reconditioning and exchange programs

AIR STARTERS

Model	Pressure	Break Away Torque	Speed at Max HP	Max Power
150TMPF	60-120 PSI	74-147 ft-lb	1296-1620 RPM	9-22 HP
ST544	60-150 PSI	74-182 ft-lb	1296-1620 RPM	9-28 HP
ST599	30-120 PSI	72-295 ft-lb	1185-1560 RPM	8-44 HP
ST650	90-150 PSI	155-260 ft-lb	1950-2400 RPM	20-67 HP
ST699	30-90 PSI	110-290 ft-lb	1950-2400 RPM	20-67 HP
ST799/999	30-90 PSI	110-310 ft-lb	1750-2250 RPM	18-66 HP
ST1099	30-90 PSI	82-347 ft-lb	1425-2060 RPM	13-68 HP

HOISTS

Model	Capacity	Loaded Lifting/Lowering Speed	Headroom	Weight
CLK 125-500	125-500 kg	13.1-4.6 m/min / 11.3-6.7 m/min	358.1-389.9 mm	15.4-17.2 kg
ML250KS-ML1000K	250-1000 kg	12.2-8.5 m/min / 27.4-14.9 m/min	457.2 mm	21.8-27.7 kg
7770E-7792A	125-2000 kg	33.5-3.7 m/min / 83.8-7.3 m/min	431.8-569 mm	18.6-36.7 kg
HE1005H-HE2050M	0.5-50 tons	5.2-1.1 m/min / 5.8-1.3 m/min	875-1480 mm	211-2120 kg
LC2A015S-LCA1000Q	1.5-100 tons	6.2-0.3 m/min / 8.5-0.5 m/min	409-2455 mm	38-2200 kg
HA2-012-HA3-100	12.5-100 tons	2.4-0.46 m/min / 3.7-0.61 m/min	978-2432 mm	552-4021 kg
BHS50M-BHS200LCA4P	50-200 tons	1.2-0.3 m/min / 1.8-0.35 m/min	1040-1901 mm	2616-9990 kg

COMPRESSORS

Model	Rated Pressure	Flow	Nominal Power	Dimensions (LxWxH)
R90	6 bar	18.7 m3/min	90 kW	2950x950x1800 mm
R10	6 bar	23 m3/min	110 kW	2950x950x1800 mm
R132	6 bar	27 m3/min	132 kW	2950x950x1800 mm
R160	6 bar	29.2 m3/min	160 kW	2950x950x1800 mm

AIR MOTORS

Model	Max Power	Speed at Max Power	Starting Torque	Stall Torque
CCM-EE59G	1.53-4.85 kW	1075-100 RPM	17.9-610 Nm	25.5-814 Nm
KK5B546-KK5B550	21.6-22.3 kW	900-880 RPM	248-274 Nm	407-441 Nm
MMP150	11.9 kW	1800 RPM	82.7 Nm	105.8 Nm
SM1AM-SM8AM	0.25-3.6 kW	7600-2500 RPM	0.39-13.6 Nm	0.52-19 Nm
MVA017A-MOV075AA	1.44-7.8 kW	2800-2600 RPM	6.1-30.5 Nm	9.5-40.7 Nm

TOOLS

Model	Application	Technical Details
3101G Angle Grinder	20000 RPM Finishing Grinder	0.25 kW Rated Power, 1/4" Collet Output, 0.58 kg
422G Wheel Grinder	5" Finishing Angle Grinder	1 kW Rated Power, 5" Wheel Size, 4.1 kg
3107G 1/4" Die Grinder	27000 RPM Finishing Grinder	0.25 kW Rated Power, 1/4" Collet Output, 168 mm
1, Q2, 5, 6, 7 Series Drill	6000-600 RPM Drill	1.1-28.8 Nm stall torque, 0.54-1.90 kg weight
1,41 Series Screwdriver	Air Screwdriver	0.30-100 Nm Torque, 0.68-1.4 kg
Impactool Wrenches	3/8"-2 1/2" Drive, 355-10000 RPM	1500-550 impacts per min, 27-33900 NM Torque Range



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