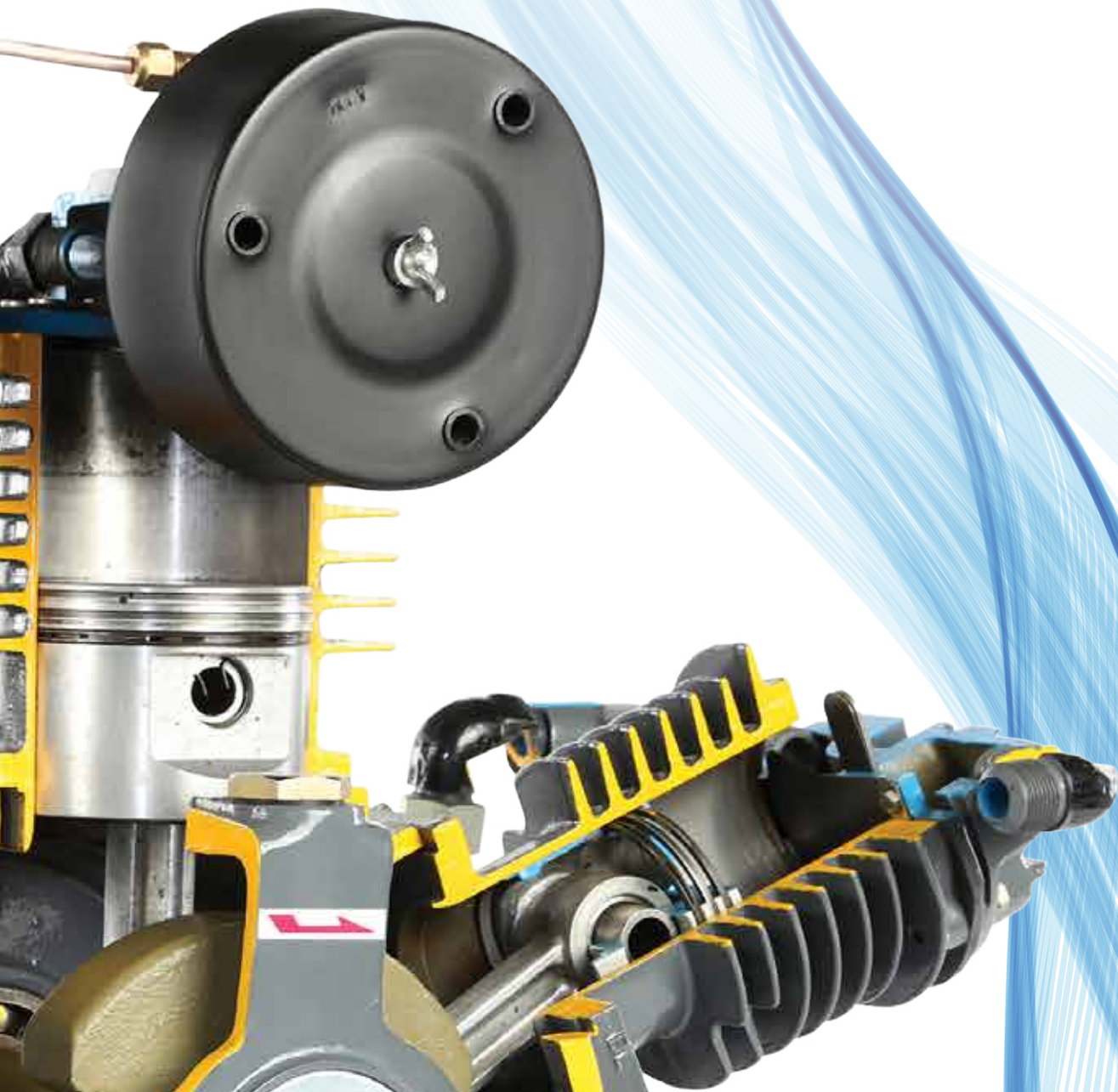




RECIPROCATING AIR COMPRESSORS



Anest Iwata Motherson

Anest Iwata Motherson (AIM) is a joint venture between Anest Iwata Corporation, Japan and the Motherson Group, India.

Anest Iwata Corporation is one of the global leaders in Air Compressors and Vacuum Pumps with more than 9 decades of inspiring history of technological excellence.

Motherson Group was established in India in 1975. Today, it is one of the largest suppliers to automotive OEMs in the world with a vision of being a globally preferred solutions provider. The Group recorded a turnover of USD 11.7 billion in 2018-19. It supports its customers globally with 270 facilities, spread across 41 countries.

Anest Iwata Motherson is committed to delight its customers by ensuring they supply the best quality products, supported with effective after sales services at optimum value. The company has two state-of-the-art manufacturing facilities and a wide network of sales and service partners spread across India.

Integrated Manufacturing Facilities

Cylinder Honing Facility



Cylinder Boring Facility



In-house Air Receiver Manufacturing & Testing



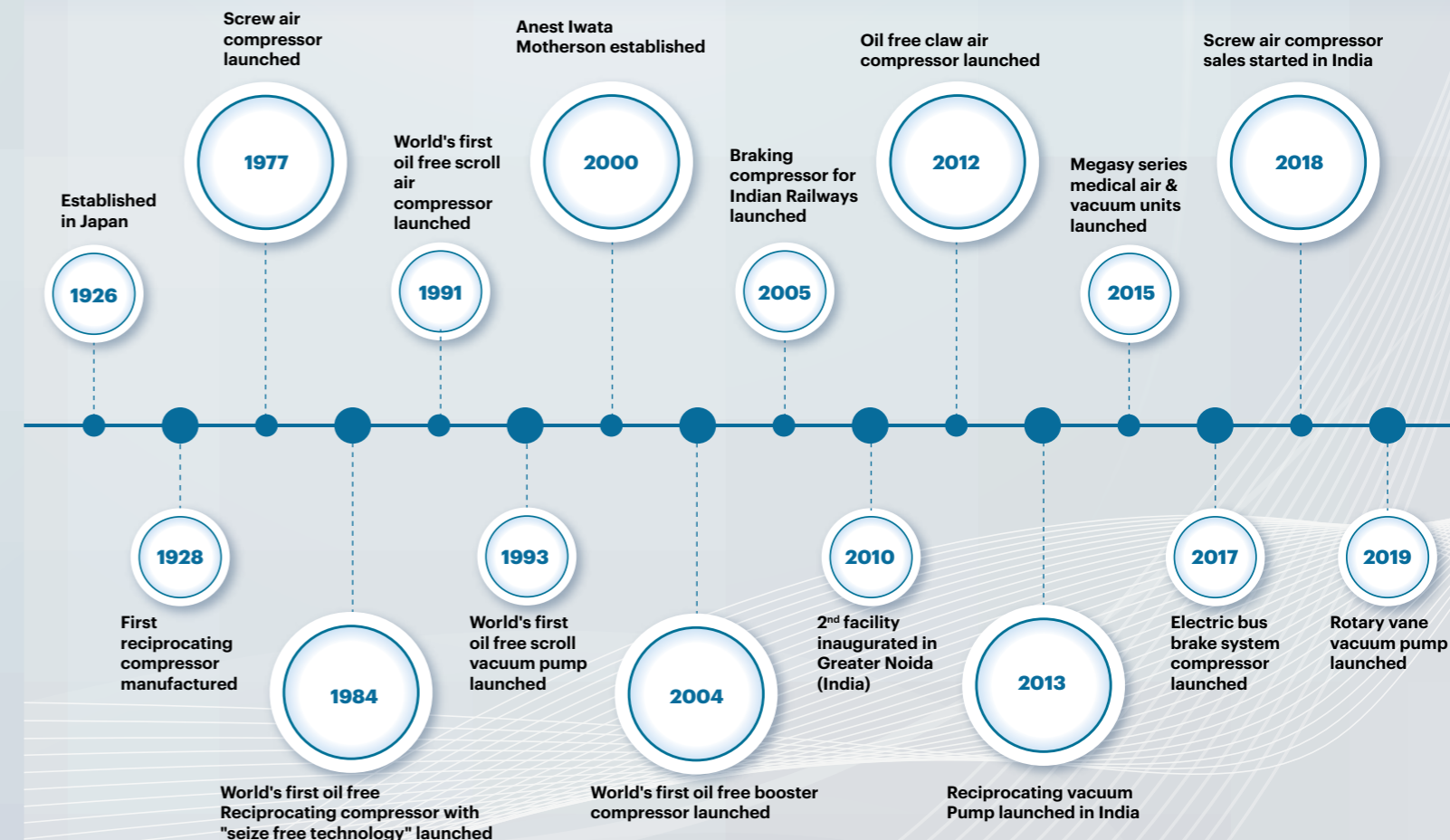
Dust Free Compressor Assembly Zone

Your Anest Iwata Quadra Edge Technology[™] compressor passes through a stringent quality control system. Our integrated manufacturing facilities have world class capabilities, systems and infrastructure that ensure you get the best-in-class products. These compressors are proudly "Made In India" & exported to the world.

Delivering The Air of Trust Globally since 1926

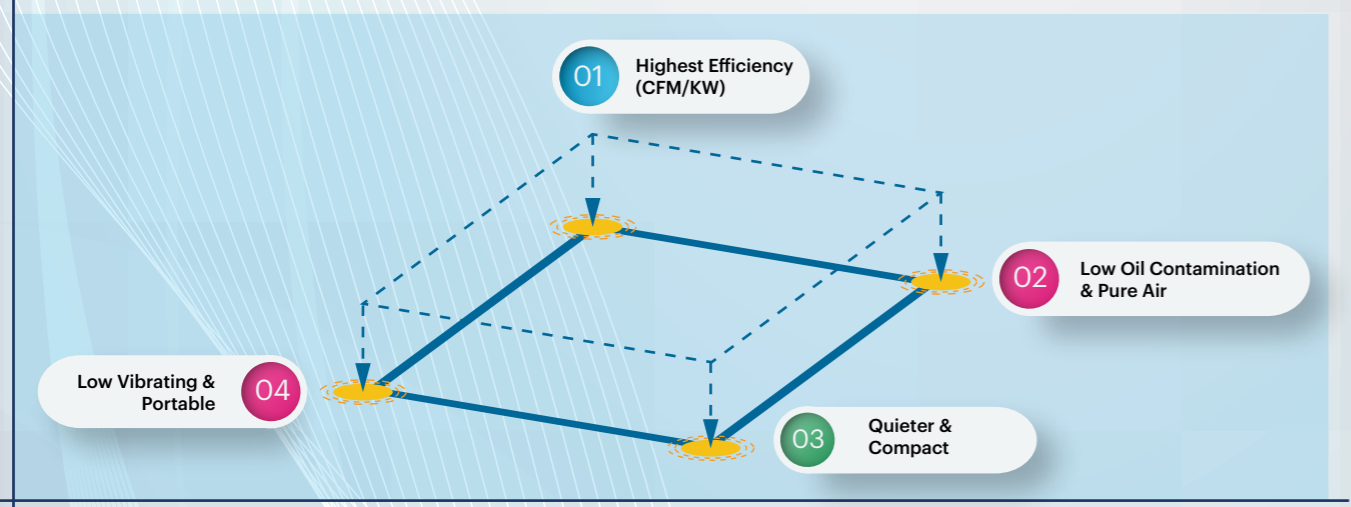


Journey at a Glance





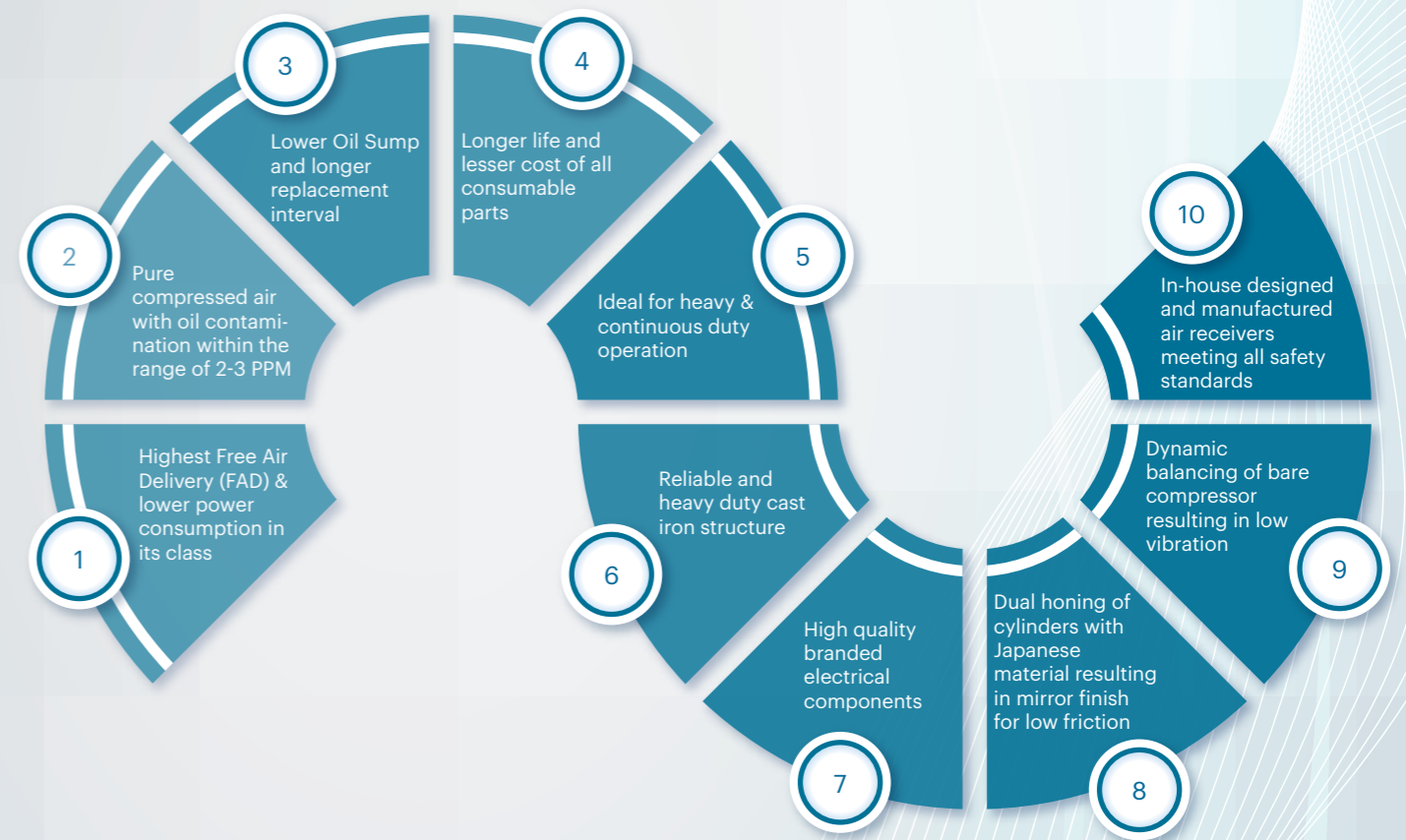
Quadra Edge Technology™ is a new generation design of Anest Iwata, Japan that results in 4 clear advantages.



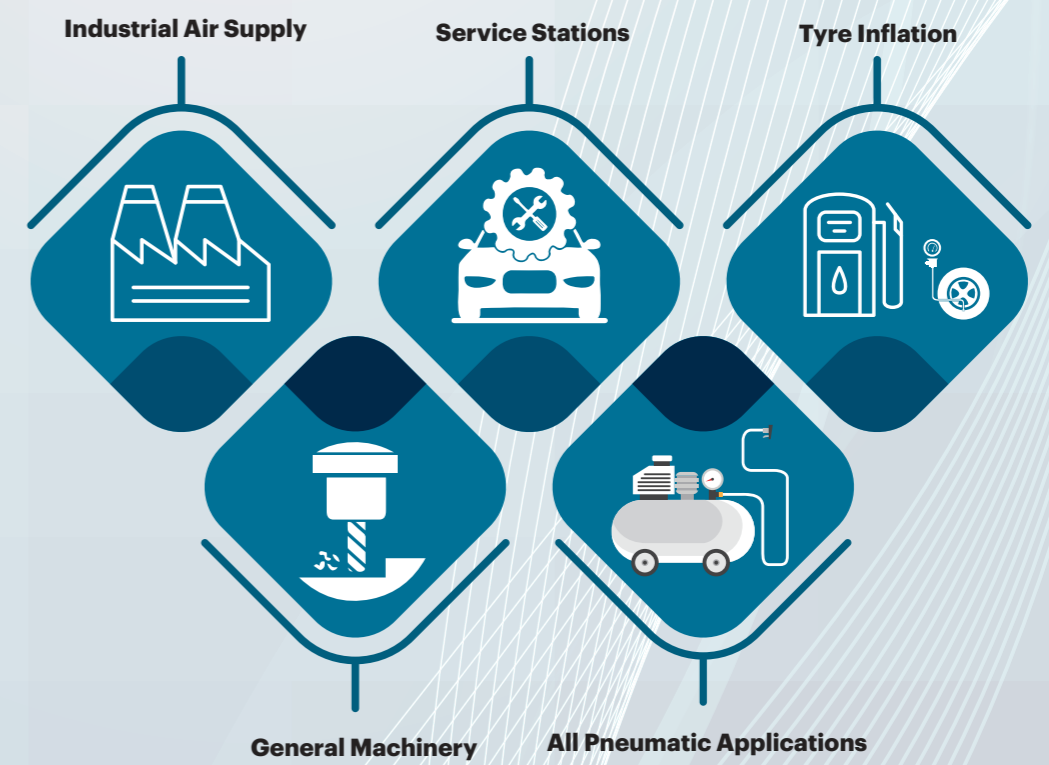
As a truly new generation design, Quadra Edge Technology™ reciprocating compressors eliminate all possible disadvantages of conventional reciprocating machines. With class leading efficiency, we save power and lower vibrations and portability makes it easy to install and handle.

Lower oil, lower noise and liquid sealing design makes it one of the most environment friendly reciprocating compressors available in the market.. The operating cost too has class leading advantages bringing the "Total Cost of Ownership" within your reach.

Advantage Anest Iwata



Major Applications



YOU NEED AIR- EVERYWHERE

Always Ahead with Anest Iwata!

Lubricated Bare Compressor

Explanation of Parts

Liquid Sealing- Most environment friendly liquid sealing design ensuring zero leakage.

5

Piston Rings- Imported from Japan helps in assuring the maximum compression performance with low oil carryover.

6

Cylinder Head- It serves as a housing for intake and exhaust valves and controls the path of compressed air.

7

Unloader Assembly- It is generally used to ensure soft start with low starting torque while start / stop of the machine.

4

Valve Assembly- The large flapper/ leaf type valve made from Swedish steel improves the overall efficiency, has less carbon, easy to service and comes with longer durability

8

Connecting Rods- It has in-built splash fin. Single piece connecting rod and crank pin metal which is robust and has a longer life.

3

Breather Assembly- It helps in reducing the compressed air stored inside the crankcase and reuse the same air for suction purpose, thus making it environment friendly in nature.

9

Intercooler Pipes- The copper tube is fitted with cooling fins that helps in reducing the working air temperature, thus improving the overall air compression efficiency.

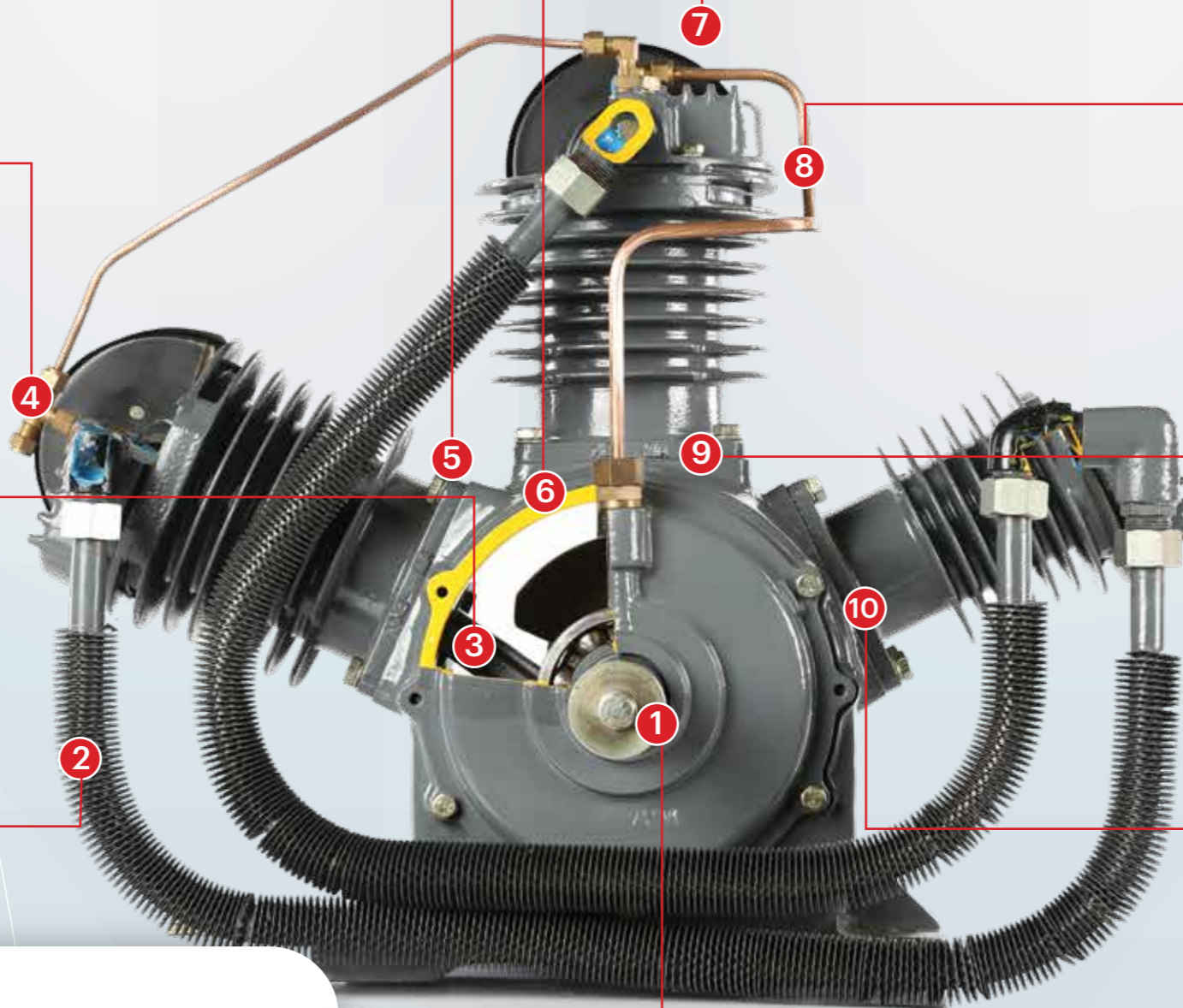
2

Cylinder- The double honing of cylinder reduces friction and wear to a minimum and provides a lot of cooling, more strength and very low oil carryover.

10

Crankshaft- The design makes it robust and easy to assemble.

1



Technical Specifications Reciprocating Air Compressors



Tank Mounted Single Stage									
Model	Power		Piston Displacement		Operating Pressure	Tank Size	Overall Dimension	Weight	Outlet size
	HP	KW	CFM	LPM					
TDLS05C-7-2E	0.5	0.37	2.9	82	7	20	480x455x645	40	1/4"
TDLS05C-7-4E	0.5	0.37	2.9	82	7	40	575x530x770	45	1/4"
TLS10C-9-4E	1	0.75	4.5	128	8.5	40	880x355x735	70	1/4"
TLS10C-9-9E	1	0.75	4.5	128	8.5	90	1305 x 380 x 795	90	1/4"
TLS20C-9-9E	2	1.5	8.4	237	8.5	90	1305x380x820	105	1/2"
TLS20C-9-18E	2	1.5	8.4	237	8.5	180	1580x445x915	135	1/2"
TLS30C-9-9E	3	2.2	13.4	378	8.5	90	1305x440x775	135	1/2"
TLS30C-9-18E	3	2.2	13.4	378	8.5	180	1580x470x980	165	1/2"
TLS50C-9-18E	5	3.7	23	650	8.5	180	1580x475x925	180	1/2"
TLS50C-9-22E	5	3.7	23	650	8.5	220	1590x515x995	205	1/2"
TLS50C-9-28E	5	3.7	23	650	8.5	280	1600x565x1040	235	3/4"
TLS75C-9-22E	7.5	5.5	36.3	1028	8.5	220	1620x535x1030	265	1/2"
TLS75C-9-28E	7.5	5.5	36.3	1028	8.5	280	1600x1075x970	290	3/4"
TLS75C-9-50E	7.5	5.5	36.3	1028	8.5	500	1910x1180x1050	355	3/4"
TLS100C-9-22E	10	7.5	45.8	1296	8.5	220	1590x530x1030	280	1/2"
TLS100C-9-28E	10	7.5	45.8	1296	8.5	280	1000x565x1075	305	3/4"
TLS100C-9-50E	10	7.5	45.8	1296	8.5	500	1910x670x1180	370	3/4"
TLS150C-9-50E	15	11	71.8	2032	8.5	500	1870x795x1335	435	3/4"

Tank Mounted Single Stage

TLS50C-9-18E

T - Tank Mounted, L - Lubricated, S - Single Stage, 50 - 50/10 = 5HP
C - Series name, 9 - Working pressure in bar, 18 - 18x10 = 180 litres tank, E - Electricals

Technical Specifications Reciprocating Air Compressors



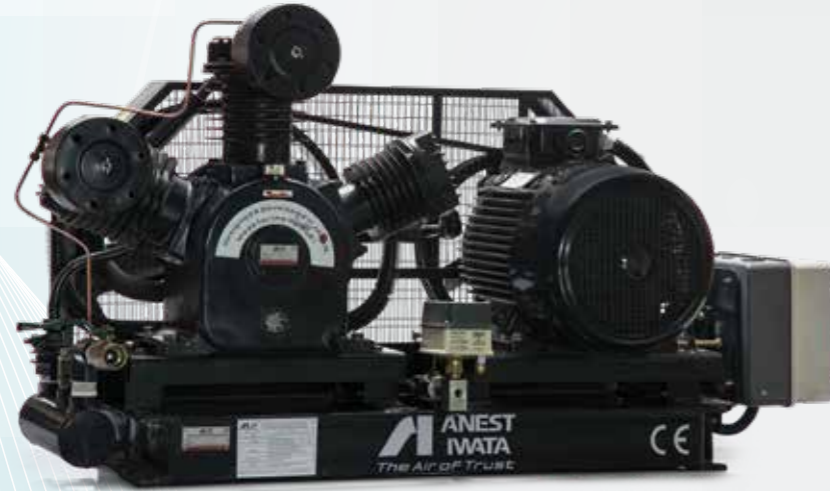
Tank Mounted Two Stage									
Model	Power		Piston Displacement		Operating Pressure	Tank Size	Overall Dimension	Weight	Outlet size
	HP	KW	CFM	LPM					
TLT30C-12-9E	3	2.2	10.4	294	12	90	1305x440x775	145	1/2"
TLT30C-12-18E	3	2.2	10.4	294	12	180	1580x475x920	170	1/2"
TLT30C-12-22E	3	2.2	10.4	294	12	220	1590x515x980	195	1/2"
TLT50C-12-18E	5	3.7	17.3	490	12	180	1580x475x925	180	1/2"
TLT50C-12-22E	5	3.7	17.3	490	12	220	1590x515x990	205	1/2"
TLT50C-12-28E	5	3.7	17.3	490	12	280	1600x565x1040	235	3/4"
TLT75C-12-22E	7.5	5.5	27.3	773	12	220	1590x530x1030	260	3/4"
TLT75C-12-28E	7.5	5.5	27.3	773	12	280	1600x570x1075	290	3/4"
TLT75C-12-50E	7.5	5.5	27.3	773	12	500	1910x670x1180	350	3/4"
TLT100C-12-22E	10	7.5	33.3	941	12	220	1590x565x1125	295	1/2"
TLT100C-12-28E	10	7.5	33.3	941	12	280	1600x600x1170	315	3/4"
TLT100C-12-50E	10	7.5	33.3	941	12	500	1910x670x1275	380	3/4"
TLT150C-12-28E	15	11	52	1472	12	280	1600x770x1180	365	3/4"
TLT150C-12-50E	15	11	52	1472	12	500	1910x830x1280	430	3/4"
TLT200D-12-50E	20	15	72.4	2050	12	500	1910x790x1400	480	1"

Tank Mounted Two Stage

TLT30C-12-9E

T - Tank Mounted, L - Lubricated, T - Two Stage, 30- 30/10 = 3HP, C - Series name
12 - Working pressure in bar, 9 - 9x10 = 90 litres tank, E - Electricals

Technical Specifications Reciprocating Air Compressors



BASE MOUNTED SINGLE STAGE								
Model	Power		Piston Displacement		Operating Pressure	Overall Dimension	Weight	Outlet size
	HP	KW	CFM	LPM	Bar	LXWXH [mm]	Kg	Inch
BLS10C-9E	1	0.75	4.5	128	8.5	1004x380x480	35	3/4"
BLS20C-9E	2	1.5	8.4	237	8.5	1004x380x510	75	3/4"
BLS30C-9E	3	2.2	13.4	378	8.5	1055x425x455	105	3/4"
BLS50C-9E	5	3.7	23	650	8.5	1055x440x520	125	3/4"
BLS75C-7E	7.5	5.5	36.3	1028	8.5	1305x515x710	190	3/4"
BLS100C-7E	10	7.5	45.8	1296	8.5	1305x555x620	205	3/4"
BLS150D-9E	15	11	71.8	2032	8.5	1417x412x785	265	1"

BASE MOUNTED TWO STAGE								
Model	Power		Piston Displacement		Operating Pressure	Overall Dimension	Weight	Outlet size
	HP	KW	CFM	LPM	Bar	LXWXH [mm]	Kg	Inch
BLT30C-12E	3	2.2	10.4	294	12	1055x425x530	115	3/4"
BLT50C-12E	5	3.7	17.3	490	12	1055x440x635	125	3/4"
BLT75C-12E	7.5	5.5	27.3	773	12	1305x515x710	185	3/4"
BLT100C-12E	10	7.5	33.3	941	12	1305x555x620	220	3/4"
BLT150C-12E	15	11	52	1472	12	1350x620x720	260	3/4"
BLT200D-12E	20	15	72.4	2050	12	1570x660x815	340	1"

Base Mounted Single Stage

BLS50C-9E

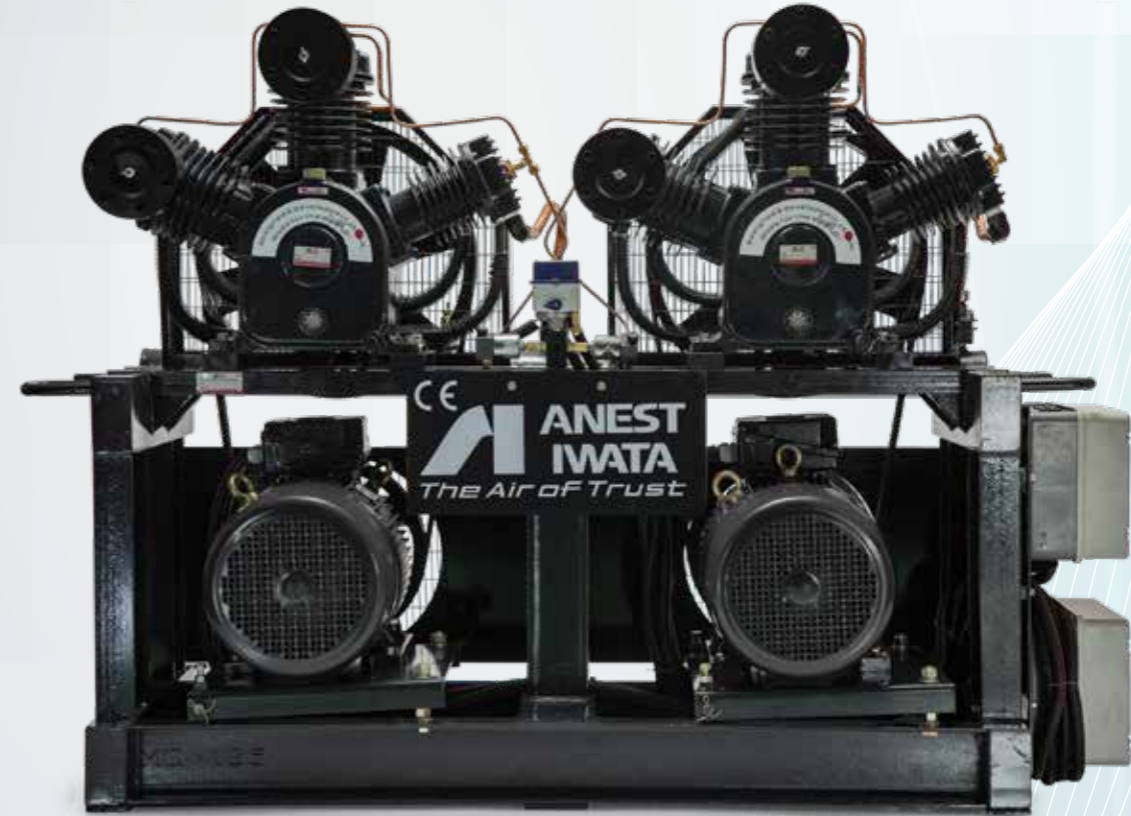
B - Base Mounted, L - Lubricated
S - Single Stage, 50 - 50/10 = 5HP, C - Series name
9 - Working pressure in bar, E - Electricals

Base Mounted Two Stage

BLT30C-12E

B - Base Mounted, L - Lubricated
T - Two Stage, 30 - 30/10 = 3HP
C - Series name,
12 - Working Pressure in bar
E - Electricals

Technical Specifications Reciprocating Air Compressors



BASE MOUNTED VERTICAL DUPLEX									
Model	Power		Piston Displacement		Operating Pressure	Stage	Dimension	Weight	Outlet size
	HP	KW	CFM	LPM	Bar		LXWXH [mm]	Kg	Inch
BLS200V-10E	20	15	91.6	2592	10	Single	1480x650x1050	480	1-1/2"
BLS300DV-10E	30	22	143.6	4064	10	Single	1772x801x1286	650	1-1/2"
BLT200DV-12E	20	15	66.5	1882	12	Two	1570x660x815	640	1-1/2"
BLT300DV-12E	30	22	104	2944	12	Two	1700x865x1295	675	1-1/2"
BLT400DV-12E	40	30	144.8	4100	12	Two	2200x865x1500	780	1-1/2"

Base Mounted Single Stage Vertical Duplex

BLS200DV-10E

B - Base mounted, L - Lubricated, S - Single stage, 200 - 200/10 = 20HP, D - Series name
V - Vertical duplex, 10 - Working Pressure in bar, E - Electricals

- All performance parameters are as per JIS
- Option of single phase motor is available upto 3HP machines
- All the above mentioned compressors are also available without electricals
- Unloader system is also available in compressors above 7.5HP
- All single stage models are also available with working pressure of 10 bar
- As product developed is a continuous process with us, specifications may change without prior notice

Serving Your Needs With Our Diverse Product Portfolio



Oil Free Reciprocating
Air Compressor



Oil Free Scroll
Air Compressor



Oil Free Wobble
Air Compressor



Booster
Air Compressor



Medical
Vacuum plant



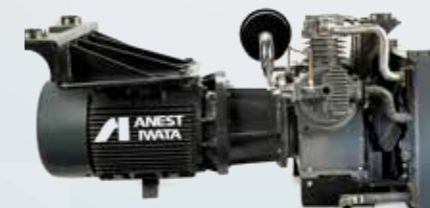
Rotary Screw
Air Compressor



Oil Free Claw
Air Compressor



Medical
Air plant



Railway
Braking Compressor



Dry Scroll
Vacuum Pump



Reciprocating
Vacuum Pump



Reciprocating High
Pressure Air Compressor

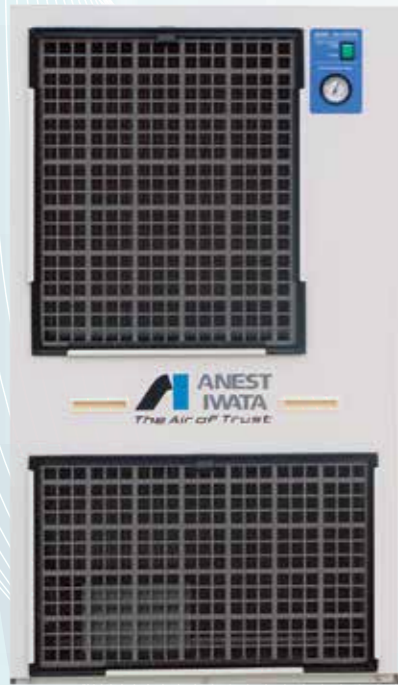


E-Bus
Air Compressor



Rotary Vane Vacuum Pump

Air Handling and Purification Accessories



Air Dryer



Air Receiver



Air Filter



Auto Drain



Air Regulator

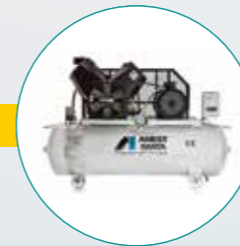


Engineering Capabilities & Customised Solutions.

We at Anest Iwata Motherson (AIM) are committed to delight our customers. Our state-of-the-art Air Energy Core Technology Centre located in Yokohama, Japan works relentlessly on innovations and technologies that add value to our products and make us ready to serve our customers future needs. It is our customers trust in us that we have developed many "World's First" products.

Always Ahead with Anest Iwata!

Innovation driven World's 1st products



Oil Free Reciprocating Compressor



Oil Free Scroll Compressor



Oil Free Booster Compressor



Oil Free Scroll Vacuum Pump

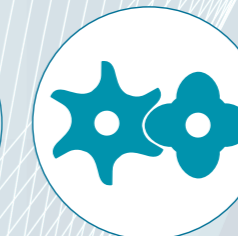
Active & Newest Technology



Reciprocating



Screw



Scroll



Claw

Compressed Air Solutions in all Technologies

WE ARE CLOSER THAN YOU THINK!



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