

## Reciprocating, Three-Stage, Double-Acting, Water-Cooled, Oil-Free Air-Compressor



### APPLICATIONS

Blowing Control    Painting Stirring    Chemical analysis Bacteria cultivation    Drying Powder convey

### CYLINDER



Heat generated during compression process is effectively removed by the large cooling area of water jackets, contributing to longer service life of air compressor. Chromium-coated cylinder ground with NC machining also ensures prolonged service life.

### PISTON/ PISTON ROD/ COMPRESSION RING/ GUIDE RING



Aluminum made piston, in light weight and combined with Chromium-coated piston rod, ensures longer service life. Self-lubricated compression guide rings are highly resistant to wear and high temperature during compression process.

### CRANKSHAFT/ PIN METAL/ BEARINGS



High strength forged alloy steel made crankshaft is suitable for heavy duty application. Hardening process of crankshaft brings wear-resisting feature. Precise measure of crankshaft balance weight leads to the lowest vibration during compression process.

### CYLINDER HEAD



Large cooling area of cylinder head results in efficient heat emission rate, which reduces temperature of inlet and outlet valve produced during compression process and leads to longer service life of air compressor.

### INLET/OUTLET VALVE



ASSAB Sweden valve plate provides wear-resisting and heat-resistant features. Valve seats are made of stainless steel to prevent any possible damage of cylinder, guide ring, and compression ring caused by rust.

### PISTON ROD WIPER ASSEMBLY/ SCRAP RING ASSEMBLY



Teflon made self-lubricated wiper is able to withstand wear, chemical corrosion, and heat. Scrap ring avoids oil leakage out of crankcase.

### CROSSHEAD/CROSSHEAD PIN/ CROSSHEAD GUIDE



Crosshead pin has been carbonized to extend its service life. Crosshead and crosshead guide are accurately machined to ensure piston is perpendicular to crankshaft perfectly.

### INDUSTRIES



Petrochemical Industry



Steel and High-Tech Industry



Paper and Textile Industry



Pharmaceutical and Medical Industry



Food and Beverage Industry



Electronics/Electrical Industry

### CHARACTERISTICS

1. Simple, high strength design with wide range of application.
2. Semi and fully automatic control system options enable the most economical operating for specific application.
3. Cooling water loss protection system not only guarantees continuous supply of cooling water, prevents compression under high temperature, but also increases efficiency.
4. Oil loss protection system guarantees continuous and sufficient lubrication of major components, decreases the possibility of mechanical damage.
5. Off-load starting design ensures compressor operates under no-load conditions during start-up stage, increasing electrical energy savings.
7. Remote control function available as an option (compressor operation and situation can be monitored and controlled from remote facilities)

Specification	Motor		Cylinder				R.R.M.	Piston Displacement		Actual Delivery		Working Pressure	Air Receiver		Dimension			Weight
			Bore			Stroke (mm)		m³/min	CFM	m³/min	CFM		Dimension	Volume	L	W	H	
	HP	KW	1st Stage (mm)	2nd Stage (mm)	3rd Stage (mm)													
HOLD2-300S	75	56.0	300	210	120	200	220	5.20	219.05	4.49	158.60	40	Ø485x1770	0.304	4320	1895	2520	5500
	100	75.0				200	295	8.30	293.24	6.90	212.00							
	125	93.3				200	370	10.40	367.43	7.52	265.70							
HOLD2-370S	150	112.5	370	270	138	200	280	11.78	416.19	9.80	318.00	40	Ø485x1770	0.304	5850	2550	2900	8100
	175	131.0				200	325	13.74	485.43	10.5	371.00							
	200	150.0				200	373	15.70	554.68	12.00	424.00							

- Low pressure inlet air protection system protects motor from overloading.

Specification	Cylinder			R.R.M.	Piston Displacement		Actual Delivery		Suction Pressure	Outlet Pressure	Motor		Dimension			Weight
	Bore (mm)	Stroke (mm)	NO		m³/min	CFM	m³/min	CFM	kg/cm²G	kg/cm²G	HP	KW	L (mm)	W (mm)	H (mm)	
OLD1-152B	100	130	1	535	1.06	37.5	6	212	5	10	15	11.25	1933	800	1470	719
OLD2-152B	100	130	2	470	1.86	65.7	13	459.4	8	15	30	22	2350	1300	1425	1152
OLD1-250B	140	180	1	520	2.9	102.5	20	706.7	8	20	75	56	2448	1373	2200	2406
OLD2-250B	140	180	2	440	4.6	162.5	28.8	1017.7	5.5	15	100	75	3750	1740	1950	4373
OLD2-300B	170	200	1	350	6.16	217.7	38	1324.8	6.5	15	150	112.5	4420	2300	1950	5250

\*Weight information includes compressor, cooler, separator, air-receiver and excludes motor.

\*For alternative working pressure, air delivery, and other demand please contact manufacturer.