

AIRPOWER

COMPRESSOR



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AIRPOWER COMPRESSOR

BARE BLOCK Low Pressure



FV265



FW365



FW380



FW390

MODEL	MOTOR POWER	CYL BORE (mm) X CYL No.	SPEED (RPM)	AIR DELIVERY (L/MIN)	PRESSURE (PSI)	N.W (KG)	CODE
FV265(BB)	2HP/4P	65 X V2	750	239	100	25	3-AC-B-FV-2S/730
FW365(BB)	3HP/4P	65 X W3	750	358	100	35	3-AC-B-FW-3/926
FW380(BB)	5HP/4P	80 X W3	650	686	100	60	3-AC-B-FW-5/2137
FW390(BB)	7.5HP/4P	90 X W3	650	1067	100	65	3-AC-B-FW-7.5/2244
FW3110(BB)	10HP/4P	100 X W3	750	1767	100	100	3-AC-B-FW-10/3900
FW3120(BB)	15HP/4P	120 X W3	750	2545	100	150	3-AC-B-FW-15/4680

High Pressure



TW-0.53



TW-0.71



TW-1.05



TW-1.5

MODEL	MOTOR POWER	CYL BORE (mm) X CYL No.	SPEED (RPM)	AIR DELIVERY (L/MIN)	PRESSURE (PSI)	N.W (KG)	CODE
TW-0.3(BB)	2HP/4P	65 X 2	750	239	180	35	3-AC-B-TW-3/1116
		51 X 1					
TW-0.53(BB)	5HP/4P	80 X 2	650	457	180	60	3-AC-B-TW-5/2233
		65 X 1					
TW-0.71(BB)	7.5HP/4P	90 X 2	650	579	180	60	3-AC-B-TW-7.5/2366
		75 X 1					
TW-1.05(BB)	10HP/4P	100 X 2	750	1178	180	100	3-AC-B-TW-10/4275
		80 X 1					
TW-1.5(BB)	15HP/4P	120 X 2	750	1696	180	150	3-AC-B-TW-15/6175
		100 X 1					

Bare Block Info

- Upon replace the bare block, make sure the drive RPM should not exceed $\pm 5\%$ as indicated.
- Check and top-up lubrication oil before operation at suitable level (middle of sign glass).
- Direction of rotation is essential to avoid overheat and increase of worn out components.
- Drive sizing need to be higher than indicated power to avoid overloading.



SELECTING THE RIGHT COMPRESSOR

- ✓ Estimate the air volume that you require
- ✓ Add **30%** extra for the appropriate duty cycle
- ✓ Consider any predictable future increase in air volume demand as a result of increasing in automation equipment
- ✓ Correct selection will minimize capital and power consumption costs

SELECTING SUITABLE CONTROL SYSTEM

Automatic Unloader System "B" Type

The valve controls the loading and unloading of the compressor depending on air demand. It is recommended for continuous running situations or continuous of air supply operation.

Pressure Switch System

Switch will stop and start the compressor depending on air demand. It is recommended for intermittent running situations or irregular air supply operation.

DOs And DON'Ts

- Replace lubrication oil every 1000hr operation or when necessary.
- Flush out compressed pressurised water in tank daily from underneath tank valve when not using.
- When switching off the air compressor always turn off the pressure switch control before shut down the main incomer to release high pressure build-up during the last operation (for those pressure controllers with on-off pressure release function).
- Compressor must be placed minimum 1 meter away from any wall blockage to provide sufficient ventilation for cooling.
- Direction of rotation is important for air-flow cooling system.
- Do not use undersize cable extension from power source that will cause motor to be overheat due to voltage drop.

Key Features

SUPERIOR BUILD QUALITY

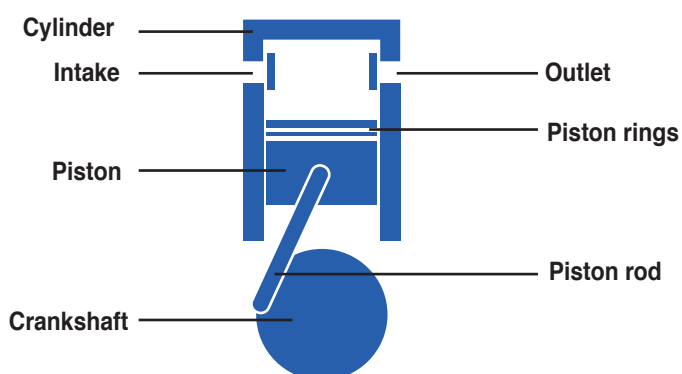
Airpower Compressors are manufactured using only the highest possible quality components which ensures that these robust compressors are reliable and long lasting. These compressors are built using high quality cast iron lined cylinders. We use two stage pumps to ensure that our compressor works more efficient. Each compressor is certified and tested before shipping so once plugged in, it is ready for operation. All parts are easily accessed ensuring easy maintenance and repair work.



VALUE ADDED FACTOR

- ★ Compliance to JKPP requirement and comes with **approved certificate**
- ★ Low speed to reduce noise level, vibration plus wear and tear
- ★ Extra-large tank for additional air volume and pressure in operation

PISTON TECHNOLOGY



OPERATION

Like a small internal combustion engine, a conventional piston compressor has a crankshaft, a connecting rod and piston, a cylinder and a valve head. The crankshaft is driven by the electric motor. The compressed air that is created inside the cylinder flows through the outlet and is stored in the receiver tank to be used when needed. Therefore to enhance the durability of the unit, all compressor performance are designed at low speed capacity to reduce wear & tear as well the sound level and vibration.

AIRPOWER

COMPRESSOR

LOW PRESSURE COMPRESSOR



Model	YL-2210S
Motor Power	2HP/4P/1PH
CYL Bore(mm) x CYL No	65 X 2
Speed (RPM)	750
Air Delivery (L/Min)	239
Pressure (PSI)	100
Tank (L)	100
Nett Weight (KG)	75

Code : 3-AC-FV100-2S



Model	FW-365
Motor Power	3HP/4P/3PH
CYL Bore(mm) x CYL No	65 X 3
Speed (RPM)	750
Air Delivery (L/Min)	385
Pressure (PSI)	100
Tank (L)	150
Nett Weight (KG)	130

Code : 3-AC-FW150-3



Model	FW-380
Motor Power	5HP/4P/3PH
CYL Bore(mm) x CYL No	80 X 3
Speed (RPM)	650
Air Delivery (L/Min)	686
Pressure (PSI)	100
Tank (L)	150
Nett Weight (KG)	170

Code : 3-AC-FW150-5



Model	FW-390
Motor Power	7.5HP/4P/3PH
CYL Bore(mm) x CYL No	90 X 3
Speed (RPM)	650
Air Delivery (L/Min)	1067
Pressure (PSI)	100
Tank (L)	200
Nett Weight (KG)	205

Code : 3-AC-FW200-7.5



Model	FW-3100
Motor Power	10HP/4P/3PH
CYL Bore(mm) x CYL No	100 X 3
Speed (RPM)	750
Air Delivery (L/Min)	1767
Pressure (PSI)	100
Tank (L)	300
Nett Weight (KG)	400

Code : 3-AC-FW300-10



Model	FW-3120
Motor Power	15HP/4P/3PH
CYL Bore(mm) x CYL No	120 X 3
Speed (RPM)	750
Air Delivery (L/Min)	2545
Pressure (PSI)	100
Tank (L)	300
Nett Weight (KG)	500

Code : 3-AC-FW300-15

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HIGH PRESSURE COMPRESSOR



Model	TW-0.3
Motor Power	3HP/4P/3PH
CYL Bore(mm) x CYL No	65 X 2
	51 X 1
Speed (RPM)	750
Air Delivery (L/Min)	239
Pressure (PSI)	180
Tank (L)	150
Nett Weight (KG)	140

Code : 3-AC-TW150-3



Model	TW-0.53
Motor Power	5HP/4P/3PH
CYL Bore(mm) x CYL No	80 X 2
	65 X 1
Speed (RPM)	650
Air Delivery (L/Min)	457
Pressure (PSI)	180
Tank (L)	150
Nett Weight (KG)	180

Code : 3-AC-TW150-5



Model	TW-0.71
Motor Power	7.5HP/4P/3PH
CYL Bore(mm) x CYL No	90 X 2
	75 X 1
Speed (RPM)	650
Air Delivery (L/Min)	579
Pressure (PSI)	180
Tank (L)	200
Nett Weight (KG)	280

Code : 3-AC-TW200-7.5



Model	TW-1.05
Motor Power	10HP/4P/3PH
CYL Bore(mm) x CYL No	100 X 2
	80 X 1
Speed (RPM)	750
Air Delivery (L/Min)	1178
Pressure (PSI)	180
Tank (L)	300
Nett Weight (KG)	380

Code : 3-AC-TW300-10



Model	TW-1.5
Motor Power	15HP/4P/3PH
CYL Bore(mm) x CYL No	120 X 2
	100 X 1
Speed (RPM)	750
Air Delivery (L/Min)	1696
Pressure (PSI)	180
Tank (L)	300
Nett Weight (KG)	435

Code : 3-AC-TW300-15

AIRPOWER COMPRESSOR

HIGH PRESSURE UNLOADER WITHOUT ENGINE



*Engine for illustration purpose only.

Model	TW-0.3/B
Engine Min 5.5HP	ENGINE UNLOADER
CYL Bore(mm) x CYL No	65 X 2 51 X 1
Speed (RPM)	750
Air Delivery (L/Min)	-
Pressure (PSI)	180
Tank (L)	200
Nett Weight (KG)	-

Code : 3-AC-TW200-3B



*Engine for illustration purpose only.

Model	TW-0.53/B
Engine Min 8HP	ENGINE UNLOADER
CYL Bore(mm) x CYL No	80 X 2 65 X 1
Speed (RPM)	650
Air Delivery (L/Min)	-
Pressure (PSI)	180
Tank (L)	200
Nett Weight (KG)	-

Code : 3-AC-TW200-5B

Note:

- Drive source base on customer compliance.
- Mobile set for service truck or area without electricity.
- Both TW-0.3B and TW-0.5B should install engine drive with extra 50% power to achieve constant power tongue but the RPM must not exceed $\pm 5\%$ as recommended in the description.

VERTICAL TANK



Model	TW-0.60(High Pressure)
Motor Power	5.5HP/4P/3PH (Frame 132)
CYL Bore(mm) x CYL No	80 x 2/ 65 x 1
Speed (RPM)	650
Air Delivery (L/Min)	457
Pressure (PSI)	180
Tank (L)	300
Nett Weight (KG)	290

Code : 3-AC-TW300V-5.5

