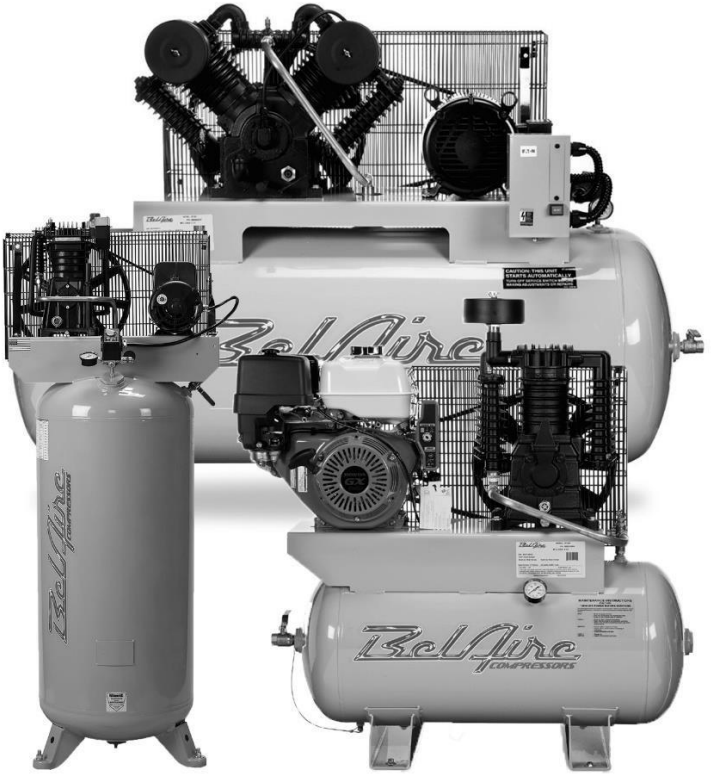
Air Compressor Manual



For questions concerning this air compressor, please call 866-869-3114

⚠ WARNING

THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING LEAD, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION GO TO WWW.P65WARNINGS.CA.GOV 2024114400

Rev. 00 - 09/23

Part# 2022209694

TABLE OF CONTENTS

SAFETY GUIDELINES – DEFINITIONS

Safety is a combination of common sense, staying alert and knowing how your compressor works. Read this manual to understand this compressor.

DANGER

means if safety information is not followed someone **will** be seriously injured or killed

WARNING

means if safety information is not followed someone **could** be seriously injured or killed

CAUTION

means if safety information is not followed someone **may** suffer moderate or minor injury

IMPORTANT SAFETY INSTRUCTIONS

Save these instructions

Improper operation or maintenance of this product could result in serious injury and property damage. Read and understand all warnings and operation instructions before using this compressor.

Before using the air compressor

Things you should know

Air compressors are utilized in a variety of air system applications. Because air compressors and other components (hoses, connectors, air tools, spray guns, etc.) make up a high pressure pumping system, the following safety precautions should be observed at all times.

Only persons familiar with these rules of safe operation should use the air compressor

1. Read the instruction manual carefully before attempting to assemble, disassemble or operate your system. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Review and understand all safety instructions and operating procedures in this manual.
3. Review the maintenance methods for this compressor throughout this manual.

Inspect your work area

1. Keep work area clean.
2. Cluttered areas and benches invite accidents. Floors must not be slippery from wax or dust.

Inspect your compressor

1. To reduce the risk of injury from accidental starting, turn switch off and disconnect the power before checking it.
2. If any part is missing, bent or broken in any way or any electrical part does not work properly, keep the compressor off and disconnected.
3. Check hoses for weak or worn condition before each use, making certain all connections are secure. Do Not use if defect is found.

WARNING

Do not operate compressor if damaged during shipping, handling or use. Damage may result in bursting and cause injury or property damage.

DANGER

This compressor is NOT designed for and should not be used in breathing air applications.

When installing or moving the compressor

WARNING

This compressor is extremely top heavy. The compressor must be bolted to the floor with vibration pads before operating to prevent equipment damage, injury or death. DO NOT tighten bolts completely as this may cause stress to the tank welds. See **Illustration 1a**.

To reduce the risk of a dangerous environment

1. Keep work area well lit.
2. Operate compressor in a well-ventilated area free from flammable liquids and vapors.
3. Operate compressor in a ventilated area so that compressor may be properly cooled and the surrounding air temperature will not be more than 100°F (38°C).
4. Never use a compressor in a wet environment.
5. Protect material lines and air lines from damage or puncture. Keep hose and wires away from sharp objects, chemical spills, oil, solvents and wet floors.

WARNING

DO NOT secure compressor with toggle bolts into drywall. Drywall sheeting or plaster will not support the weight of the compressor and serious injury could result.

Always Shut Off Gas Valve before moving Gas Drive Compressors

6. A minimum clearance of 18 inches (46 cm) between the compressor and a wall is required because objects could obstruct airflow.
7. The compressor should be located where it can be directly wired to a circuit breaker.

   Based on design, certain compressors should be wired by a qualified electrician.
8. Never store flammable liquids or gases in the vicinity of an operating compressor.
9. DO NOT locate the compressor air inlet near steam, paint spray, sandblasting areas or any other source of contamination. The debris could damage the motor and pump.

WARNING

Never use plastic (PVC) pipe for compressed air. Serious injury or death could result.

CAUTION

Never use the shipping skid for mounting the compressor.

NOTICE

Electric Compressors are not suitable for outdoor installation.

NOTICE

Gasoline Compressors must be operated outdoors, sheltered from the weather.

WARNING

Never install a shut off valve between the compressor pump and tank. Personal injury and/or equipment damage could occur.

Before each use

Inspect your work area

1. Keep work area clean. Cluttered areas and benches invite accidents.
2. The floor must not be slippery from wax or dust.

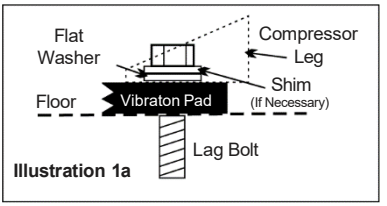


Illustration 1a

Inspect your compressor

1. To reduce the risk of injury from accidental starting, turn the switch off and disconnect power.
2. If any part is missing, bent or broken in any way, or any electrical part does not work properly, keep the compressor off and disconnect power. DO NOT use if defect is found.
3. Check hoses for weak or worn condition before each use, making certain all connections are secure. DO NOT use if a defect is found.

Follow the safety precautions for electrical connections

1. Follow all local electrical and safety codes, as well as the National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA).
2. Wiring and fuses should follow electrical codes, current capacity and be properly grounded.
3. Protect wires from contact with sharp objects.

CAUTION

All electrical connections should be made by a qualified electrician.

Plan ahead to protect your eyes, hands, face and ears

Dress for safety

1. Wear safety glasses (meeting ANSI Z87.1 or in Canada CSA Z94.3-99) and use hearing protection when operating the unit. Everyday glasses are not safety glasses.
2. Wear shoes to prevent shock hazards.
3. Tie back long hair.

Pay attention to your hands

WARNING

Keep fingers away from running compressor. Fast moving and hot parts may cause injury and/or burns.

CAUTION

Be careful when touching the exterior of compressor, pump, motor and air lines; they may become hot enough to cause injury.

WARNING

Never operate the compressor without a belt guard. The compressor can start automatically without warning. Personal injury or property damage could occur from contact with moving parts. .

CAUTION

The compressor may be hot even if the unit is stopped.

WARNING

Use of a mask or respirator per chemical manufacturers' instructions may be necessary if there is a chance of inhaling toxic fumes. Read mask and respirator instructions carefully. Consult a safety expert if you are not sure about the use of certain masks or respirators.

When operating

1. Do not exceed the pressure rating of any component of the system.
2. Release pressure within the system slowly to prevent flying dust and debris.
3. If the equipment starts to abnormally vibrate, STOP the compressor immediately and check for the cause.

WARNING

To avoid serious injury, never change the safety valve or pressure switch settings. Keep safety valve free from paint and other accumulations. See compressor specification decal for maximum operating pressure. Do not operate with the pressure switch set higher than the maximum operating pressure.

Spraying precautions

WARNING

Never point a spray gun at yourself or any other person or animal. Accidental discharge may result in serious injury.

Reduce the risk of dangerous environment

WARNING

Extreme caution should be taken when spraying flammable liquids, as the spark from a motor or pressure switch may cause a fire or explosion. Ample ventilation must be provided.

WARNING

Spray in a well ventilated area to keep fumes from collecting and causing serious injury and fire hazards.

1. DO NOT spray in the vicinity of open flames or other places where a spark can cause ignition. DO NOT smoke when spraying paint, insecticides or other flammable substances.

Be informed about the materials you use

1. When spraying with solvents or toxic chemicals, follow the instructions provided by the chemical manufacturer. Consult a safety expert if unsure about the use of masks or respirators.
2. If the material you intend to spray contains trichloroethane and methylene chloride, do not use accessories that contain aluminum or galvanized materials, as these chemicals can react with galvanized components, causing corrosion and weakening equipment. Use stainless steel accessories.

Perform these maintenance operations

1. Do regular maintenance; keep all nuts, bolts, and screws tight, to be sure equipment is in safe working condition.
2. Inspect tank yearly for rust, pin holes or any other imperfections that could cause it to become unsafe.

WARNING

NEVER attempt to repair or modify a tank! Welding, drilling or any other modification will weaken the tank, resulting in damage from rupture or explosion. To avoid injury, always replace worn, cracked or damaged tanks.

3. Clean electrical equipment with an approved cleaning agent, such as a dry, non-flammable cleaning solvent.
4. Drain tanks of moisture after each day's use. If unit will not be used for a while, it is best to leave the drain cock open until such time as it is to be used. This will allow moisture to completely drain out and help prevent corrosion of inside of tank.
5. Always disconnect from power source before working on or near a motor or its connected load. If power disconnect point is out-of-sight, secure it in the "OFF" position and tag it to prevent unexpected application of power.

WARNING

Disconnect power and depressurize system before servicing air compressor to avoid injury. Slightly open drain cock after shutting off compressor.

Daily

Check oil level at sight glass. Oil level should be 1/2 to slightly higher in the oil sight glass.

Drain moisture from tank.

Verify the pressure switch unloader is working by listening for a brief hissing sound when the compressor shuts off.

Visually check the compressor for loose parts, excessive noise or vibration. Tighten any necessary part.

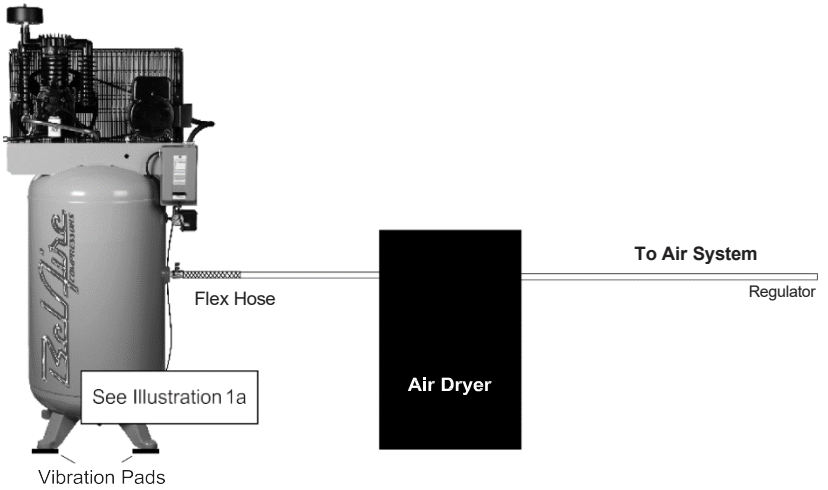
Monthly

(Make sure the main power is off.) Check the belts for tension. Belts should not move up and down when the compressor runs and when stopped, should not have more than 1/2 inch (13 mm) of play when depressed. Be careful not to over tighten belts during adjustment.

Remove and check air filter, replace if necessary.

Change oil every 3 months or 300 hours. A compressor grade 30 wt non-detergent oil should be used. Use 40 wt non-detergent for single stage.

TYPICAL COMPRESSOR INSTALLATION



GLOSSARY OF TERMS

Air Filter

Porous element contained within a metal or plastic housing attached to the compressor cylinder head which removes impurities from the intake air of the compressor.

Air Tank

Cylindrical component which contains the compressed air.

Check Valve

Device which prevents compressed air from flowing back from the air tank to the compressor pump.

Electric Motor

Device which provides the rotational force necessary to operate the compressor pump.

Pressure Gauge

Device which shows the tank or regulated pressure of the compressed air.

Pressure Switch

Device which automatically controls the on/off cycling of the compressor. It stops the compressor when the cut-off pressure in the tank is reached and starts the compressor when the air pressure drops below the cut-in pressure.

PSI (Pounds per Square Inch)

Measurement of the pressure exerted by the force of air. The actual psi is measured by a pressure gauge on the compressor.

Pump

Device which produces the compressed air with a reciprocating piston contained within a cylinder.

Safety Valve

Device which prevents air pressure in the air tank from rising over a predetermined limit.

Thermal Overload Switch

Device, integrated into the electric motor winding, which automatically “shuts off” the compressor if the temperature of the electric motor exceeds a predetermined limit.

WIRING

WARNING

ALL ELECTRICAL WIRING SHOULD BE DONE BY A QUALIFIED ELECTRICIAN.

General Information

Adequate wiring and motor protection should be provided for all stationary compressors. Wiring used for other machinery should not be used. A qualified electrician familiar with local electrical codes in your area should be used. Size supply wiring per NEC (National Electric Code) requirements.

WARNING

To reduce the risk of electrical hazards, fire hazards or damage to the compressor, use proper circuit protection. Your compressor is wired at the factory for operation using the voltage shown. Connect the compressor to a power source with the correct breaker size.

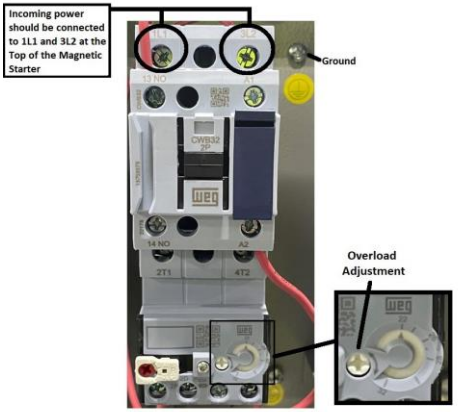
WARNING

Electrical connections must be properly grounded. Ground connections should be connected at the grounding screw.

CAUTION

Overheating, short circuiting and fire damage will result from inadequate wiring.

Single Phase



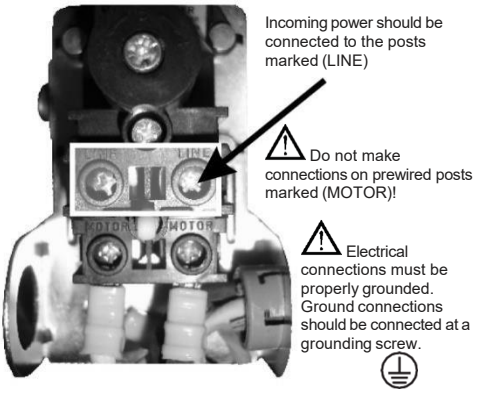
Three Phase

DO NOT MAKE CONNECTIONS AT THE PRESSURE SWITCH
(Units with Magnetic Starters)

Duplex

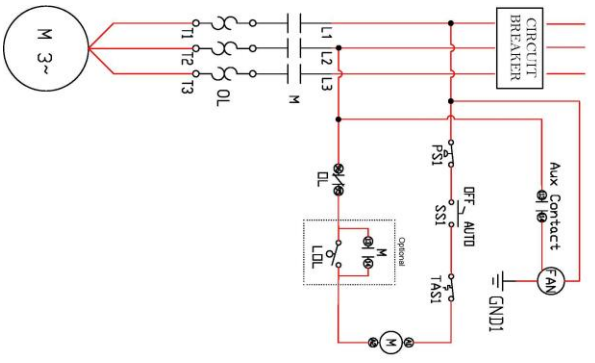
Power should be brought into the left-hand starter. Do not bring power to both starters.

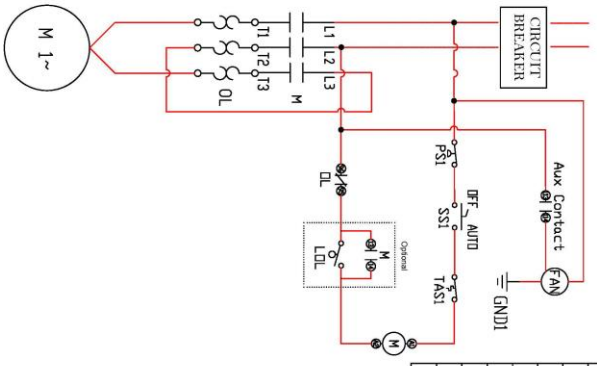
For Models Without Magnetic Starter



WIRING

Single and Three Phase with Mag Starter



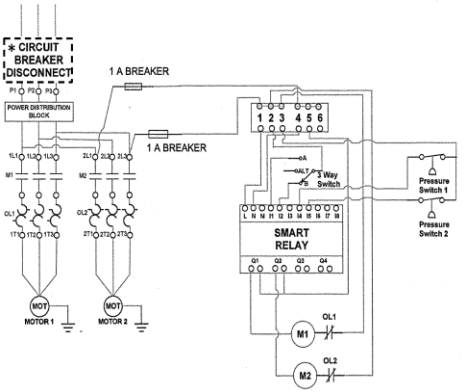


Legend	
LOL	Low Oil Level Switch
GND	Ground
OL	Over Load
M	Contact
PS1	Pressure Switch 1
SS1	Selector Switch 1
TAS	Temperature Switch
M 1~	Single Phase Motor
M 3~	Three Phase Motor
Aux Contact	Auxiliary Contact

WIRING

Single and Three Phase Duplex

DUPLEX 3 PHASE ALTERNATING(230V) WIRING SCHEMATIC



SYSTEM OPERATION INSTRUCTION
- On A only A will operate
- On B only B will operate
- On Auto unit will alternate between A and B each time the ALT P/S closes
- Beyond 145 psi If one unit runs for 5 min the other unit will come on to support it.
- During low pressure (<135psi) 2nd unit will come on after a 10 second delay.

* Circuit Breaker Disconnect must be UL Listed with appropriate voltage and amps

------ CUSTOMER SUPPLIED

NOTES

1) AT INSTALLATION, CUSTOMER IS TO PROVIDE DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH NATIONAL ELECTRIC CODE OR ANY APPLICABLE LOCAL CODES.

2) WIRING REQUIREMENTS
USE ONLY COPPER WIRE WITH MINIMUM 75 DEGREE CELSIUS INSULATION.

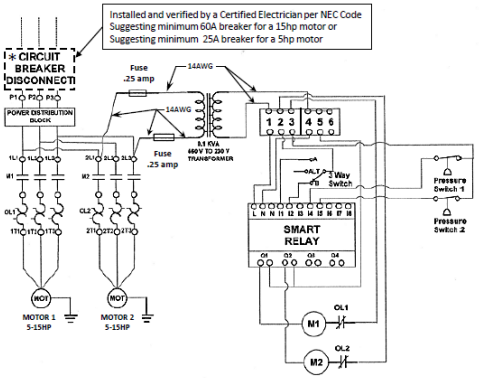
3) TORQUE REQUIREMENTS
LOAD TERMINALS : 25 LB.IN
CONTROL TERMINALS : 7 - 11 LB.IN

4) FIELD WIRING GROUND REQUIREMENTS
10-6 AWG COPPER LEAD / TORQUE 45 LB.IN

ALTERNATING PANEL 5-10HP 230V - 3 PHASE

REVISION :
DATE : 01/22/2020
DRAWING: SSR
DRAWING NO. – 1312207500A

DUPLEX 3 PHASE ALTERNATING(460V) WIRING SCHEMATIC



SYSTEM OPERATION INSTRUCTION
- On A only A will operate
- On B only B will operate
- On Auto unit will alternate between A and B each time the ALT P/S closes
- Beyond 145 psi If one unit runs for 5 min the other unit will come on to support it.
- During low pressure (<135psi) 2nd unit will come on after a 10 second delay.

* Circuit Breaker Disconnect must be UL Listed with appropriate voltage and amps

------ CUSTOMER SUPPLIED

NOTES

1) AT INSTALLATION, CUSTOMER IS TO PROVIDE DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH NATIONAL ELECTRIC CODE OR ANY APPLICABLE LOCAL CODES.

2) WIRING REQUIREMENTS
USE ONLY COPPER WIRE WITH MINIMUM 75 DEGREE CELSIUS INSULATION.

3) TORQUE REQUIREMENTS
LOAD TERMINALS : 25 LB.IN
CONTROL TERMINALS : 7 - 11 LB.IN

4) FIELD WIRING GROUND REQUIREMENTS
10-6 AWG COPPER LEAD / TORQUE 45 LB.IN

ALTERNATING PANEL 5-15HP, 460V, 3 PHASE

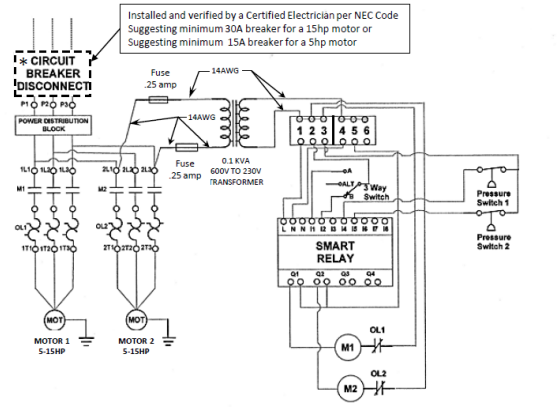
REVISION :
DATE : 05/31/2023
DRAWING: MM
DRAWING NO.- 1312207500B

COMPRESSED AIR SYSTEMS
600 S. Avenue
Mansfield TX 76063

WIRING

Single and Three Phase Duplex

DUPLEX 3 PHASE ALTERNATING (575V) WIRING SCHEMATIC



SYSTEM OPERATION INSTRUCTION

- On A only A will operate
- On B only B will operate
- On Auto unit will alternate between A and B each time the ALT P/S closes
- Beyond 145 psi If one unit runs for 5 min the other unit will come on to support it.
- During low pressure (<135psi) 2nd unit will come on after a 10 second delay.

* Circuit Breaker Disconnect must be UL Listed with appropriate voltage and amps

------ CUSTOMER SUPPLIED

NOTES

1) AT INSTALLATION, CUSTOMER IS TO PROVIDE DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH NATIONAL ELECTRIC CODE OR ANY APPLICABLE LOCAL CODES.

2) WIRING REQUIREMENTS
USE ONLY COPPER WIRE WITH MINIMUM 75 DEGREE CELSIUS INSULATION.

3) TORQUE REQUIREMENTS
LOAD TERMINALS : 25 LB.IN
CONTROL TERMINALS : 7 - 11 LB.IN

4) FIELD WIRING GROUND REQUIREMENTS
10-6 AWG COPPER LEAD / TORQUE 45 LB.IN

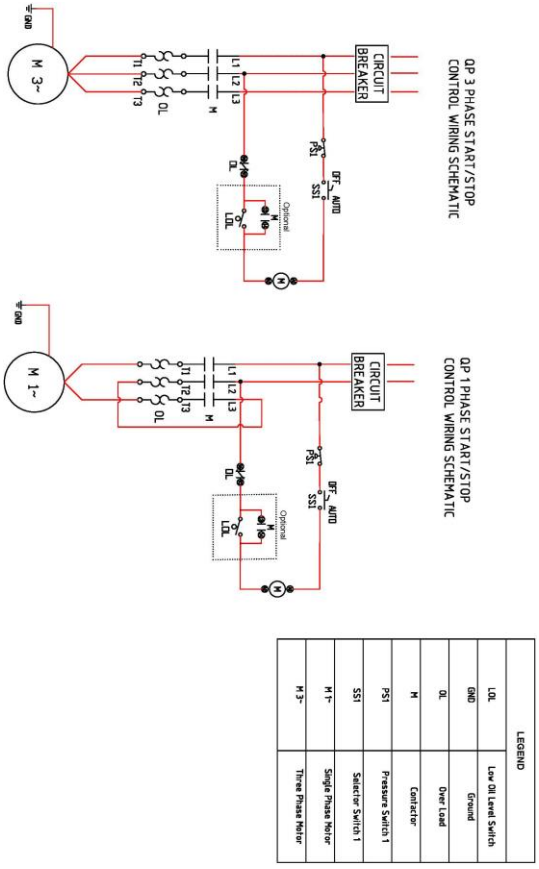
ALTERNATING PANEL 5-15HP 575V 3 PHASE

- REVISION :
- DATE: : 09/14/2023
- DRAWING: MM
- DRAWING NO. – 1312207500C

COMPRESSED AIR SYSTEMS
600 S. Avenue
Mansfield TX 76063

WIRING

Single and Three Phase QP



STARTING THE COMPRESSOR

Prior to actually running the compressor, check the following items:

Crankcase oil - Make sure the sight glass shows 1/2 full or slightly above.

Make sure all rags, tools, oil, etc. are away from the unit.

Open the air system to free it of any pressure.

Switch the compressor on for a few revolutions to make sure the rotation is correct. Correct rotation is clockwise when facing the sight glass on the pump.

Operate the compressor for a few minutes unloaded (air system open) then allow the compressor to pump up. Make sure the electrical pressure switch properly switches off the compressor according to the setting desired. 175 psi for Two Stage and 135 psi for Single Stage.

CAUTION

Make sure the pressure in the tank does not exceed its rating: Single Stage units at 135 psi, Two Stage units at 175 psi (165 psi for Model 4916V).

If the pressure gauge indicates a pressure that is higher than these maximum pressures, shut off compressor immediately and call your distributor.

Gas Drive Models

PLEASE REFER TO YOUR ENGINE OPERATION MANUAL FOR PROPER STARTING INSTRUCTIONS.

GASOLINE DRIVEN COMPRESSORS ARE EQUIPPED WITH A COLD START VALVE FOR LOADLESS STARTS.

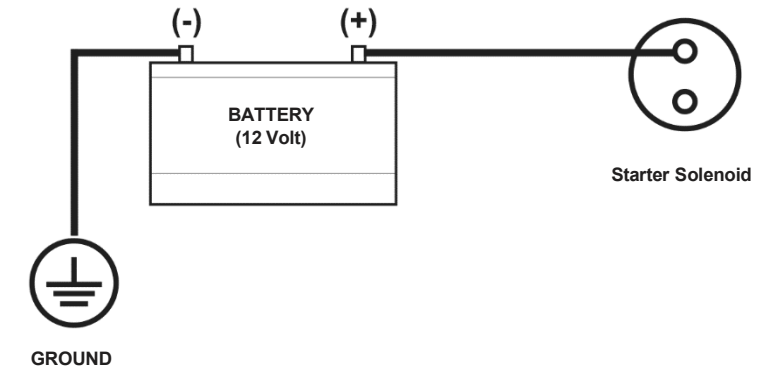
NOTE: IN SOME INSTANCES, IT STILL MAY BE NECESSARY LIFT THE TOGGLE ON THE UNLOADER/PILOT VALVE TO RELIEVE THE HEAD PRESSURE. See Page 11.

Battery Connection Instructions for Electric Start Engines

NOTE: Make sure to follow instructions carefully to avoid a short and possible damage to the starter solenoid and/or battery.

1. Connect the positive (+) terminal on the battery to the starter solenoid.
2. Connect the negative (-) terminal on the battery to an engine mounting bolt or other acceptable ground connection.

Always connect the positive (+) battery cable to the starter solenoid before connecting the negative (-) battery cable. NUMBER 2 WIRE OR LARGER IS REQUIRED.

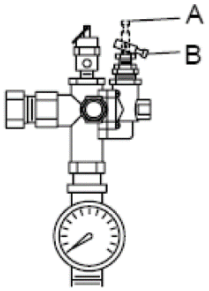


Cold Start Procedure (Gasoline Engine Units)

WARNING

DO NOT OPERATE GASOLINE ENGINE UNITS IN AN ENCLOSED AREA.

- Release any remaining tank pressure by slowly opening the manual drain valve.
- Turn on the engine gasoline supply.
- Put the choke in the “On” position.
- Close the service valve and put Unloader lever in the “unload” (A) position for Briggs and Stratton and Honda engine driven models, or the “load” (B) position for Kohler engine models.
- Start the engine, release the choke, and allow the engine to warm up for two to three minutes.
- Return the unloader lever to the “load” (B) position on Briggs and Stratton and Honda driven models.

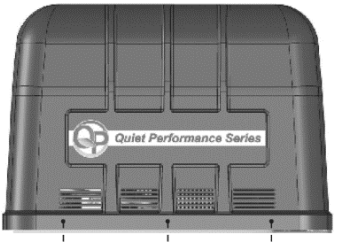


NOTE: Turn the gasoline supply off when the compressor is not being used.

COMPRESSOR FEATURES

Sound Attenuating Enclosure - QP Models

You have purchased a state of the art BelAire QP compressor. The QP comes equipped with sound attenuating enclosure. For maintenance, the canopy and side foam pieces will need to be removed.



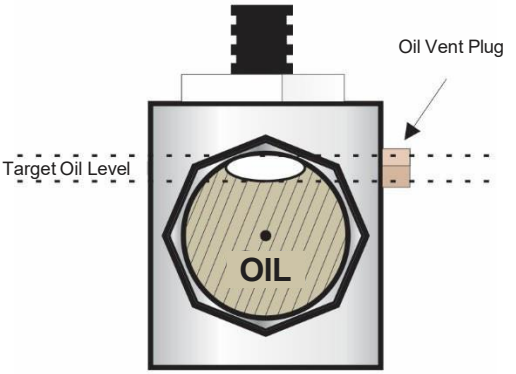
To remove the canopy, simply remove the 6 fasteners and lift the canopy straight up and off.

Low Oil Level Switch - QP and Elite Models

The function of the low oil level switch is to keep the air compressor from starting if the oil level drops beyond a certain point.

For compressors outfitted with the low oil level switch, the oil should appear in the top 1/3 of the oil sight glass.

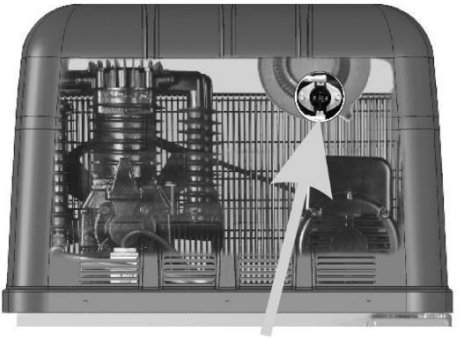
When changing or adding oil, it is important to remove the Oil Vent Plug to allow for the oil to flow completely into the switch.



Thermal Protection - QP Models

If the cooling fan were to fail or internal temperature were to reach 180°F (82°C), the protective thermal fuse outfitted on QP models will trip.

When tripped, the fuse can be reset. The canopy will need to be removed to reset the thermal fuse.



Location of Fuse
(Inside Canopy Behind Fan)

TROUBLESHOOTING GUIDE

Low discharge pressure	1. Compressor too small for application	1. Reduce air demand or use a compressor with more air capacity.
	2. Air leaks	2. Listen for air leaks. Apply a soap solution to all fittings and connections. Bubbles will form at points of leakage. Tighten or replace fittings or connections.
	3. Restricted intake air	3. Clean or replace air filter.
	4. Blown gasket(s)	4. Replace necessary gaskets.
	5. Broken or misaligned valves	5. Remove head and inspect for broken or misaligned valves. Replace valves, if necessary.
		⚠ CAUTION
		Install a new head gasket each time head is removed.
Excessive noise “knocking”	1. Loose drive pulley or flywheel	1. Tighten drive pulley or flywheel bolt.
	2. Low on oil	2. Check for proper oil level. Low or dirty oil may cause bearing damage.
	3. Worn connecting rod or connecting rod bearing	3. Replace connecting rod and/or connecting rod bearings.
	4. Noisy check valve	4. Replace check valve.
		⚠ DANGER
		Do not remove check valve with air pressure in tank.
Excessive oil carryover	1. Worn piston rings	1. Replace with new piston rings.
	2. Restricted intake air	2. Clean or replace air filter.
	3. Too much oil in compressor	3. Drain oil to proper oil level.
	4. Incorrect oil viscosity	4. Use a quality non-detergent 30 or 40 wt oil specified for each model (Page 5).
Water in tank and/or discharge line	1. Normal amount of water will increase as humidity in the air increases.	1. Drain tank at least once per day.
		2. Add an inline filter to reduce moisture in the air line.
Will not run or motor hums	1. Low voltage	1. Check voltage with volt meter across both legs of incoming power. Check reset button on motor.
	2. Malfunctioning pressure switch	2. Repair or replace pressure switch.
	3. Malfunctioning check valve	3. Replace check valve or pressure switch.
		⚠ DANGER
		Do not remove check valve with air pressure in tank.

TROUBLESHOOTING GUIDE (Continued)

Breaker or reset repeatedly trips	1. Incorrect breaker size	1. Make sure the breaker is sized properly. See page 7 in this manual.
	2. Low voltage	2. Check voltage with volt meter across both legs of incoming power.
	3. Malfunctioning motor	3. Replace motor.
	4. Loose electrical connections	4. Check all electrical connections.
	5. Malfunctioning pressure switch	5. Adjust or replace pressure switch.
	6. Malfunctioning check valve	6. Replace check valve. **⚠ DANGER** Do not remove check valve with air pressure in tank.
Tank does not hold pressure when not running and shut off valve is closed	1. Malfunctioning check valve	1. Replace check valve. **⚠ DANGER** Do not remove check valve with air pressure in tank.
	2. Loose fittings or connections	2. Tighten or replace fittings or connections.
	3. Crack or pin hole in tank	3. Replace tank. Do not attempt to repair tank.
Pressure switch unloader constantly leaking air	1. Malfunctioning check valve	1. Replace check valve if unloader bleeds constantly. **⚠ DANGER** Do not remove check valve with air pressure in tank.
Pressure switch not unloading	1. Malfunctioning pressure switch	1. Replace pressure switch if it does not release air pressure briefly when unit shuts off. **⚠ DANGER** Do not remove pressure switch with air pressure in tank.
Excessive vibration	1. Improper installation	1. Make sure unit is mounted on a level surface with vibration pads.
	2. Loose belts	2. Replace belts. Align and tighten properly.
	3. Misaligned flywheel or drive pulley	3. Align flywheel and drive pulley.
Overheating	1. Compressor too small for application	1. Reduce air demand or use a compressor with more air capacity.
	2. Cooling surfaces dirty	2. Clean all cooling surfaces of dirt and dust.
	3. Improper cooling	3. Install compressor in an area with adequate cool dry air.

PUMP SPECIFICATIONS

Pump Model	Pump P/N	Cyl. No.	Stages
PAT24	4116091136	2	1
PAT38	4116091337	2	1
PAT49	1609402495	2	2
B5900	4116090137	2	2
D1	2020041710	2	2
D2	2020041711	4	2

Pump Model	Cyl. Diam in. (mm)		Stroke in. (mm)	Max rpm	Oil Cap. Qt. (L)	Displacement @ max RPM	
	1st Stg	2nd Stg				CFM	L/M
PAT24	2.48 (63)	N/A	1.50 (38)	1400	0.56 (0.53)	11.71	331.59
PAT38	2.48 (63)	N/A	2.36 (60)	1400	0.91 (0.86)	18.49	523.58
PAT49	3.74 (95)	1.97 (50)	2.48 (63)	1400	0.91 (0.86)	20.40	578.00
T39	4.13 (105)	2.05 (52)	2.95 (60)	1400	1.09 (1.03)	32.02	906.63
D1	4.13 (105)	2.16 (55)	3.5 (89)	1000	1.31 (1.24)	27.13	768.33
D2	4.13 (105)	2.16 (55)	3.5 (89)	900	1.50 (1.42)	48.84	1382.99

Pump Model	Bolt Torque Ft.-Lbs. (NM)				
	Conrod	Head	Cylinder	Bearing Housing	Flywheel
PAT24	N/A	18-20 (24-27)	18-20 (24-27)	5-7 (7-10)	18-20 (24-27)
PAT38	N/A	18-20 (24-27)	18-20 (24-27)	5-7 (7-10)	18-20 (24-27)
PAT49	N/A	18-20 (24-27)	18-20 (24-27)	5-7 (7-10)	18-20 (24-27)
T39	20-22 (27-30)	30-33 (40-45)	16-19 (22-26)	19-22 (26-30)	34-37 (46-50)
D1	34-37 (46-50)	34-37 (46-50)	19-27 (26-37)	14-19 (19-26)	47-57 (64-77)
D2	34-37 (46-50)	34-37 (46-50)	19-27 (26-37)	14-19 (19-26)	47-57 (64-77)

TANK SPECIFICATIONS

Volume		Max Pressure		Discharge Conn.
Gal.	Liter	PSI	Bar	NPT
60V	228	170	11.724	1/2"
80H	228	200	13.793	3/4"
80V	114	200	13.793	3/4"
30H	456	200	13.793	3/4"
120V	456	200	13.793	3/4"
120H	300	200	13.793	3/4"
120D	456	200	13.793	3/4"
200D	760	200	13.793	3/4"

WARNING

Oil and moisture residue must be drained from the air receiver daily or after each use. Accumulations of oil residue in the receiver can be ignited by embers of carbon created by the heat of compression - causing an explosion, damage to property and injury to personnel.

WARNING

Do not open a manual tank drain valve on any air tank containing more than 30 PSIG of air pressure!

WARNING

Never attempt to relieve an air tank by removing a pipe plug or any other system component!

Manually Draining an Air Tank:

Step 1) Disconnect and lockout the compressor from the power source (electric models) or disconnect the spark plug wire from the spark plug (gas engine models).

Step 2) Tank(s) subjected to freezing temperatures may contain ice. Store the compressor in a heated area before attempting to drain moisture from the tank(s). Reduce the air pressure in the tank to 30 PSIG by pulling the pressure relief valve ring.

Step 3) Slowly open the drain valve and allow the moisture and air mixture to drain from the tank.

Step 4) Once the moisture has been completely drained, close the drain valve.

Recommended Air Tank Inspection Intervals

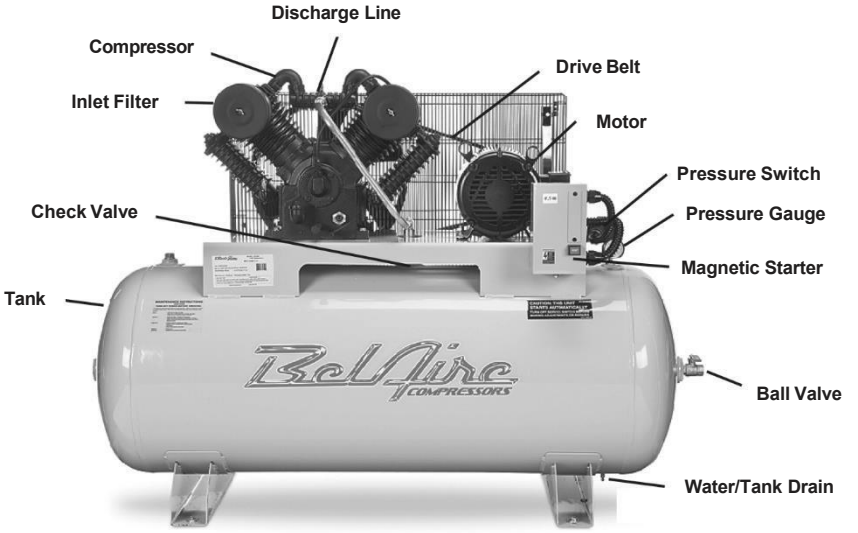
Tank Capacity	Horizontal or Vertical	Minimum Allowable Wall		Visually Inspect	Hydrostatically Inspect
		Head	Shell		
8 Gal.	Horizontal	0.096	0.094	Yearly	10 Years
8 Gal.	Twin Horz.	0.098	0.098	Yearly	10 Years
10 Gal.	Twin Horz.	0.118	0.118	Yearly	10 Years
20 Gal.	Horizontal	0.094	0.094	Yearly	10 Years
26 Gal.	Vertical	0.094	0.094	Yearly	10 Years
30 Gal.	Horizontal	0.109	0.098	Yearly	10 Years
60 Gal.	Vertical	0.094	0.094	Yearly	10 Years
80 Gal.	Vertical	0.149	0.133	Yearly	10 Years
80 Gal.	Horizontal	0.109	0.133	Yearly	10 Years
120 Gal.	Vertical	0.163	0.199	Yearly	10 Years
120 Gal. & Duplex	Horizontal	0.131	0.159	Yearly	10 Years
200 Gal. Duplex	Horizontal	0.163	0.199	Yearly	10 Years

The factory recommends that all air tanks be inspected at scheduled intervals. Refer to **Recommended Air Tank Inspection Intervals Table** for relative information.

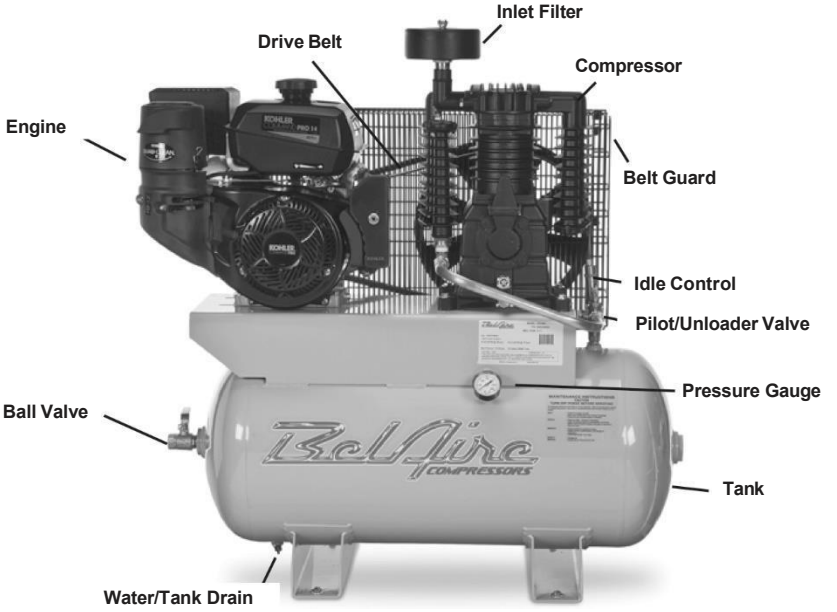
Refer to federal, state or provincial, or local codes for mandatory air tank maintenance information.

PART IDENTIFICATION

Electric



Gas Drive



Single Stage

*Note: Verify Model and Part Number of Machine Before Ordering

Model Number	5020P/8090254163	5026VP/8090254106	6061V*/2021116665	6061VS/2020041700
Compressor	4116091336	4116091336	4116091337	4116091337
Motor	2023005603	2023005603	2023005604	2023005616
Tank	1312900000	1312900006	2021119093	2021119960
Check Valve	1312101343	1312101343	1312100169	1312100169
Pressure Switch	1312100455	1312100455	1312100455	2023738543
Safety Valve	1312100005	1312100005	1312100005	1312100005
Pressure Gauge	1312100006	1312100006	2025065900	2025065900
Discharge Line	2023206010	2023206010	2023206126	2023206126
Inlet Filter	2236111635	2236111635	2236111635	2236111635
Water Drain	1312100360	1312100360	1312100360	1312100360
Belt Guard (front)	2236115371	2236115371	2236115371	2236115371
Belt Guard (back)	2236115372	2236115372	2236115372	2236115372
Drive Pulley	1312100439	1312100439	1312101070	1312101070
Drive Belt	1312101067	1312101067	2024200316	2024200316
Unloader Line	1312100026	1312100026	1312100026	1312100026
Power Cord	1312100007	1312100007	N/A	N/A
Wheel	1312100060	1312100029	N/A	N/A
Handle	2236107285	2236107294	N/A	N/A

Contractor - Electric

Model Number	T2030 /8090254239
Compressor	4116091337
Motor	1312100388
Tank	1312100521
Check Valve	1312100170
Pressure Switch	1312100455
Safety Valve	1312100005
Pressure Gauge	1312100845
Discharge Tube	1312101156
Ball Valve	1312100161
Inlet Filter	2236111635
Tank Drain	1312100360
Unloader Line	1312100026
Belt Guard (front)	1312100146
Belt Guard (back)	1312100147
Belt Guard Fastener	1312100076
Drive Pulley	1312101154
Drive Belt	1312100129
Wheel	1312100461
Power Cord	1312100007

Contractor - Gas Drive

Model Number	TH5530	TR6030	TR908	TK128-I
Product No.	8090254262	8090254296	8090250710	8090250708
Compressor	4116091337	4116091333	4116090019	4116090019
Engine	1312100219	1312100230	1312100231	1312100221
Tank	1312100521	1312900020	1312900024	1312100520
Idle Control	1312100382	1312100382	1312100382	1312100382
Unloader/Pilot Valve	1312100496	1312100496	1312100495	1312100495
Safety Valve	1312100005	1312100005	9710533300	9710533300
Pressure Gauge	1312100845	1312100378	1312100378	1312100845
Discharge Tube	1312101160	1312101606	1312100204	1312100204
Ball Valve	1312100161	1312100161	1312100161	1312100161
Inlet Filter	2236111635	2236111635	1312100374	1312100374
Tank Drain	1312100360	1312100360	1312100360	1312100360
Belt Guard (front)	1312100146	1312100146	1312100150	1312100150
Belt Guard (back)	1312100147	1312100147	1312100149	1312100149
Belt Guard Fastener	1312100076	1312100076	1312101027	1312100076
Drive Pulley	1312101070	1312101070	1312100419	1312100419
Drive Belt	1312100131	1312100131	1312100136	1312100137
Wheel	1312100461	1312100461	1312100461	1312100461

Two Stage Electric

Model Number	4916V	4918VN	216V	218V	318VN	318V	318H
Product Number	2021116653	2021118842	8090250002	8090250004	2021119840	2021119381	8090252241
Pump	1609402496	1609402496	4116090112	4116090112	4116090019	4116090019	4116090019
Motor	2023005607	2023004811	2023005602	2023005602	2023005602	2023000868	2023000868
Tank	2023108881	2023108889	1312900012	1312900038	2021119522	2023108998	1312100485
Check Valve	2023913502	2023913502	1312101343	1312100170	1312100169	1312100169	1312100171
Pressure Switch	2023738400	2023738400	1312100459	1312100570	1312100570	1312100570	1312100570
Safety Valve	9710533300	9710533300	1310251870	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	2025065900	2025065900	2025065900	1312100378	2025065900	1312100378	1312100378
Discharge Line	2023206109	2023206109	1312100214	1312100200	2023206124	2023206124	1312100199
Ball Valve	1312100162	2023913804	1312100162	1312100163	2023913804	1312100163	1312100163
Inlet Filter	2236113754	1129705841	1312100376	1312100376	1312100374	1312100374	1312100374
Tank Drain	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
Belt Guard (Front)	2023346418	2023346418	1312100146	1312100149	1312100149	1312100149	1312100149
Belt Guard (Back)	2023346417	2023346417	1312100145	1312100148	1312100148	1312100148	1312100148
Belt Guard Clip	1312101027	1312101027	1312101027	1312101027	1312101027	1312101027	1312101027
Drive Pulley	1312100443	1312100443	1312100442	1312100442	1312100418	1312100422	1312100422
Drive Belt	1312100136	1312100136	1312100133	1312100137	1312100139	1312100139	1312100140
Magnetic Starter (230V)	N/A	N/A	N/A	N/A	N/A	2024002103	N/A
Magnetic Starter (460V/575V)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low Oil Level Switch	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auto Tank Drain	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Model Number	338V4	338H4	318VE	318HE	338VE4	338HE4	318VL
Product Number	2021119382	8090252845	2021119837	8090250009	2021119845	8090250030	2021119838
Pump	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019
Motor	2023005610	1312101602	2023004868	2023000868	2023005610	1312101602	1312100400
Tank	2023108889	2021116170	2021119521	2021116171	2021119521	2021116171	2021119522
Check Valve	1312100169	1312100171	1312100169	1312100171	1312100169	1312100171	1312100169
Pressure Switch	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100845	1312100378	2021115705	1312100378	2021115705	1312100378	2021115705
Discharge Line	2023206124	2023206125	2023206124	2023206125	2023206124	2023206125	2023206124
Ball Valve	1312100163	1312100163	1312100169	1312100163	1312100169	1312100163	1312100169
Inlet Filter	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374
Tank Drain	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
Belt Guard (Front)	1312100149	1312100149	1312100149	1312100149	1312100149	1312100149	1312100149
Belt Guard (Back)	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148
Belt Guard Clip	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076
Drive Pulley	1312100422	1312100422	1312100422	1312100422	1312100422	1312100422	1312100420
Drive Belt	1312100140	1312100140	1312100139	1312100140	1312100140	1312100140	1312100139
Magnetic Starter (230V)	N/A	N/A	2024002103	2024002103	N/A	N/A	2024002100
Magnetic Starter (460V/575V)	N/A	2024002105	N/A	N/A	N/A	2024002105	N/A
Low Oil Level Switch	N/A	N/A	1312101285	1312101285	1312101285	1312101285	N/A
Auto Tank Drain	N/A	N/A	1312100110	1312100110	1312100110	1312100110	N/A

Model Number	318HL	338VL4	338HL4	318VLE	318HLE	338VLE4	338HLE4
Product Number	8090250010	2021119846	8090350031	2021119839	809020011	2021119847	8090250032
Pump	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019
Motor	1312100400	1312101601	1312101601	1312100400	1312100400	1312101601	1312101601
Tank	2021116170	2021119522	2021116170	2021119521	2021116171	2021119521	2021116171
Check Valve	1312100171	1312100169	1312100171	1312100169	1312100171	1312100169	1312100171
Pressure Switch	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	2021115705	1312100378	2021115705	1312100378	2021115705	1312100378
Discharge Line	2023206125	2023206124	2023206125	2023206124	2023206125	2023206124	2023206125
Ball Valve	1312100163	1312100169	1312100163	1312100169	1312100163	1312100169	1312100163
Inlet Filter	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374
Tank Drain	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
Belt Guard (Front)	1312100149	1312100149	1312100149	1312100149	1312100149	1312100149	1312100149
Belt Guard (Back)	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148
Belt Guard Clip	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076
Drive Pulley	1312100420	1312100420	1312100420	1312100420	1312100420	1312100420	1312100420
Drive Belt	1312100139	1312100139	1312100139	1312100139	1312100139	1312100139	1312100139
Magnetic Starter (230V)	2024002100	N/A	N/A	N/A	2024002100	N/A	N/A
Magnetic Starter (460V/575V)	N/A	N/A	2024002105	N/A	N/A	N/A	N/A
Low Oil Level Switch	N/A	N/A	N/A	1312101285	1312101285	1312101285	1312101285
Auto Tank Drain	N/A	N/A	N/A	1312100110	1312100110	1312100110	1312100110

Two Stage Electric

	4916VS	4918VS
Product No.	**2020041701**	**2020041702**
Pump	1609402496	1609402496
Motor	2023005619	2023005618
Tank	2021119960	2021119961
Check Valve	2023913502	2023913502
Pressure Switch	2023738545	2023738539
Safety Valve	1310251870	9710533300
Pressure Gauge	2025065900	2025065900
Discharge Line	2023206109	2023206109
Ball Valve	1312100162	2023913804
Inlet Filter	2236113754	2236113754
Tank Drain	1312100360	1312100360
Belt Guard (Front)	2025066035	2025066035
Belt Guard (Back)	2025066036	2025066036
Belt Guard Clip	N/A	N/A
Drive Pulley	1312100443	1312100443
Drive Belt	1312100136	1312100136

Gas Drive

Model No.	**59G3HR**	**59G3HB**	**3G3HH**	**3G3HK**	**3G3HKL**	**3G3HHL**
Product No.	**8090250053**	**8090250052**	**8090250036**	**8090250038**	**8090250039**	**8090250971**
Compressor	4116090137	4116090137	4116090019	4116090019	4116090019	4116090019
Engine	1312100232	1312100730	1312100223	1312101114	1312100998	1312100224
Tank	2021116304	1312100479	2021116304	2021116304	1312100479	2021116304
Unloader Valve	1312100497	1312100497	1312100497	1312100497	1312100497	1312100497
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100845	1312100378	1312100378	1312100845	1312100378
Discharge Line	1312100209	1312100208	1312100208	1312100208	1312100208	1312100217
Ball Valve	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163
Inlet Filter	6211471600	6211471600	1312100374	1312100374	1312100374	1312100374
Tank Drain	1312100360	1312100361	1312100360	1312100360	1312100361	1312100360
Belt Guard (front)	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150
Belt Guard (back)	1312100149	1312100149	1312100149	1312100149	1312100149	1312100149
Belt	1312100136	1312100137	1312100120	1312100120	1312100120	1312100121
Belt Guard Clip	N/A	N/A	N/A	N/A	N/A	N/A
Unloader Line	N/A	N/A	N/A	N/A	N/A	N/A
Idle Control	1312100382	1312100742	N/A	1312100099	1312100099	N/A
Drive Pulley	1312100443	1312100443	1312100419	1312100419	1312101044	1312100421

Gas Drive - Cast Iron Units

Model No.	**4G3HH**	**4G3HHL**	**4G3HKL**	**6G3HV**
Product No.	**2020041713**	**2020041714**	**2020041715**	**2020041737**
Compressor	**2020041709**	**2020041709**	**2020041709**	**2020041711**
Engine	1312100223	1312100224	1312101114	1312100731
Tank	2021116304	2021116304	2021116304	1312900033
Unloader Valve	1312101115	1312101115	1312101115	1312100497
Safety Valve	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378
Discharge Line	1312101101	1312101101	1312101101	1312100720
Ball Valve	1312100163	1312100163	1312100163	1312100162
Inlet Filter	1312100374	1312100374	1312100374	1312100374
Tank Drain	1312100360	1312100360	1312100360	1312100360
Belt Guard	1312101093	1312101093	1312101093	1312204300
Belt	1312100993	1312101138	1312101138	2024200435
Belt Guard Clip	N/A	N/A	N/A	N/A
Unloader Line	N/A	N/A	N/A	N/A
Idle Control	N/A	N/A	1312100099	1312100741
Drive Pulley	1312100711	1312101040	1312101040	1312100711

Duplex

Model No.	3112D	3312D	3312D4	3112DL	3312DL
Product No.	**8090254734**	**8090254742**	**8090254759**	**8090254767**	**8090254770**
Compressor	4116090019	4116090019	4116090019	4116090019	4116090019
Motor	1312312220	1312101602	1312101602	1312100400	1312101601
Tank	2021116153	2021116153	2021116153	2021116153	2021116153
Check Valve	1312100171	1312100171	1312100171	1312100171	1312100171
Pressure Switch	1312100570	1312100570	1312100570	1312100570	1312100570
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378	1312100378
Discharge Line	1312100211(Lt.) 1312100212(Rt.)	1312100211(Lt.) 1312100212(Rt.)	1312100211(Lt.) 1312100212(Rt.)	1312100211(Lt.) 1312100212(Rt.)	1312100211(Lt.) 1312100212(Rt.)
Ball Valve	1312100163	1312100163	1312100163	1312100163	1312100163
Inlet Filter	1312100374	1312100374	1312100374	1312100374	1312100374
Filter Element	FE001	FE001	FE001	FE001	FE001
Water Drain	1312100360	1312100360	1312100360	1312100360	1312100360
Belt Guard (Front)	1312100150	1312100150	1312100150	1312100150	1312100150
Belt Guard (Back)	1312100149(Rt.) 1312100148(Lt.)	1312100149(Rt.) 1312100148(Lt.)	1312100149(Rt.) 1312100148(Lt.)	1312100149(Rt.) 1312100148(Lt.)	1312100149(Rt.) 1312100148(Lt.)
Drive Belt	1312100140	1312100140	1312100140	1312100139	1312100139
Drive Pulley	1312100422	1312100422	1312100422	1312100420	1312100420
Unloader Line	1312100373	1312100373	1312100373	1312100373	1312100373
Magnetic Starter	2021119832	2021119832	2021119833	2021119832	2021119832
Alternator	1312101185	1312101185	1312101185	1312101185	1312101185

Model No.	3312DL4
Product No.	8090254773
Compressor	4116090019
Motor	1312101601
Tank	2021116153
Check Valve	1312100171
Pressure Switch	1312100570
Safety Valve	9710533300
Pressure Gauge	1312100378
Discharge Line	1312100211(Lt.) 1312100212(Rt.)
Ball Valve	1312100163
Inlet Filter	1312100374
Filter Element	FE001
Water Drain	1312100360
Belt Guard (Front)	1312100150
Belt Guard (Back)	1312100149(Rt.) 1312100148(Lt.)
Drive Belt	1312100139
Drive Pulley	1312100420
Unloader Line	1312100373
Magnetic Starter	1312100657
Alternator	1312101185

QP

Model No.	QP318VE	QP338VE	QP318VLE	QP338VLE
Product No.	**2021119848**	**2021119849**	**2021119378**	**2021119379**
Compressor	4116090019	4116090019	4116090019	4116090019
Motor	2023004868	2023005610	2021119197	2021119209
Tank	2021119521	2021119521	2021119521	2021119521
Check Valve	1312100169	1312100169	1312100169	1312100169
Pressure Switch	1312100570	1312100570	1312100570	1312100570
Safety Valve	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	2025065900	2025065900	2025065900	2025065900
Magnetic Starter	2024002103	2024002101	2024002100	2024002102
Canopy	1312202180	1312202180	1312202180	1312202180
Tank Drain	1312100110	1312100110	1312100110	1312100110
Ball Valve	2023913804	2023913804	2023913804	2023913804
Discharge Line	1312100198	1312100198	1312100198	1312100198
Inlet Filter	1312100097	1312100097	1312100097	1312100097
Low Oil Switch	1312101285	1312101285	1312101285	1312101285
Blower	1312100088	1312100088	1312100088	1312100088
Belt Guard (Back)	1312100148	1312100148	1312100148	1312100148
Belt Guard (Front)	1312100149	1312100149	1312100149	1312100149
Belt	1312100140	1312100140	1312100139	2024200418
Belt Guard Clip	1312100076	1312100076	1312100076	1312100076
Unloader Line	1312100373	1312100373	1312100373	1312100373
Drive Pulley	1312100422	1312100422	1312100420	1312100420
High Temp Switch	1312100089	1312100089	1312100089	1312100089

Iron Series

Model No.	418VE	438VE4	418V	438V4
Product No.	2020041726	2020041732	2020041716	2020041718
Compressor	2021119971	2021119971	2021119971	2021119971
Motor	1312312110	1312101602	1312312110	1312101602
Belt Guard	1312100982	1312100982	1312100982	1312100982
Discharge Line (Top)	1312101101	1312101101	1312100994	1312100994
Discharge Line (Btm)	1312101102	1312101102	N/A	N/A
Pressure Switch	1312100570	1312100570	1312100570	1312100570
Ball Valve	1312100163	1312100163	1312100163	1312100163
Unloader Line	1312100026	1312100026	1312100026	1312100026
Safety Valve	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378
Tank	1312900044	1312900044	1312900038	1312900038
Tank Drain	1312100110	1312100110	1312100360	1312100360
Magnetic Starter	2024002103	2024002105	2024002103	2024002105
Drive Pulley	1312100713	1312100713	1312100713	1312100713
Bushing	1312100445	1312100445	1312100445	1312100445
Belt	2024200423	2024200423	2024200423	2024200423
Check Valve	1312100167	1312100167	1312100169	1312100169
Aftercooler	1312100611	1312100611	N/A	N/A
Low Oil Switch	1312101285	1312101285	N/A	N/A
LOS - Housing	1312101232	1312101232	N/A	N/A

Model No.	418VLE	438VLE4	418VL	438VL4
Product No.	2020041733	2020041735	2020041719	2020041721
Compressor	2021119971	2021119971	2021119971	2021119971
Motor	1312100400	1312101601	1312100400	1312101601
Belt Guard	1312100982	1312100982	1312100982	1312100982
Discharge Line (Top)	1312101101	1312101101	1312100994	1312100994
Discharge Line (Btm)	1312101102	1312101102	N/A	N/A
Pressure Switch	1312100570	1312100570	1312100570	1312100570
Ball Valve	1312100163	1312100163	1312100163	1312100163
Unloader Line	1312100026	1312100026	1312100026	1312100026
Safety Valve	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378
Tank	1312900044	1312900044	1312900038	1312900038
Tank Drain	1312100110	1312100110	1312100360	1312100360
Magnetic Starter	2024002100	2024002105	2024002100	2024002105
Drive Pulley	1312100938	1312100938	1312100938	1312100938
Bushing	1312100445	1312100445	1312100445	1312100445
Belt	1312100939	1312100939	1312100939	1312100939
Check Valve	1312100167	1312100167	1312100169	1312100169
Aftercooler	1312100611	1312100611	N/A	N/A
Low Oil Switch	1312101285	1312101285	N/A	N/A
LOS - Housing	1312101232	1312101232	N/A	N/A

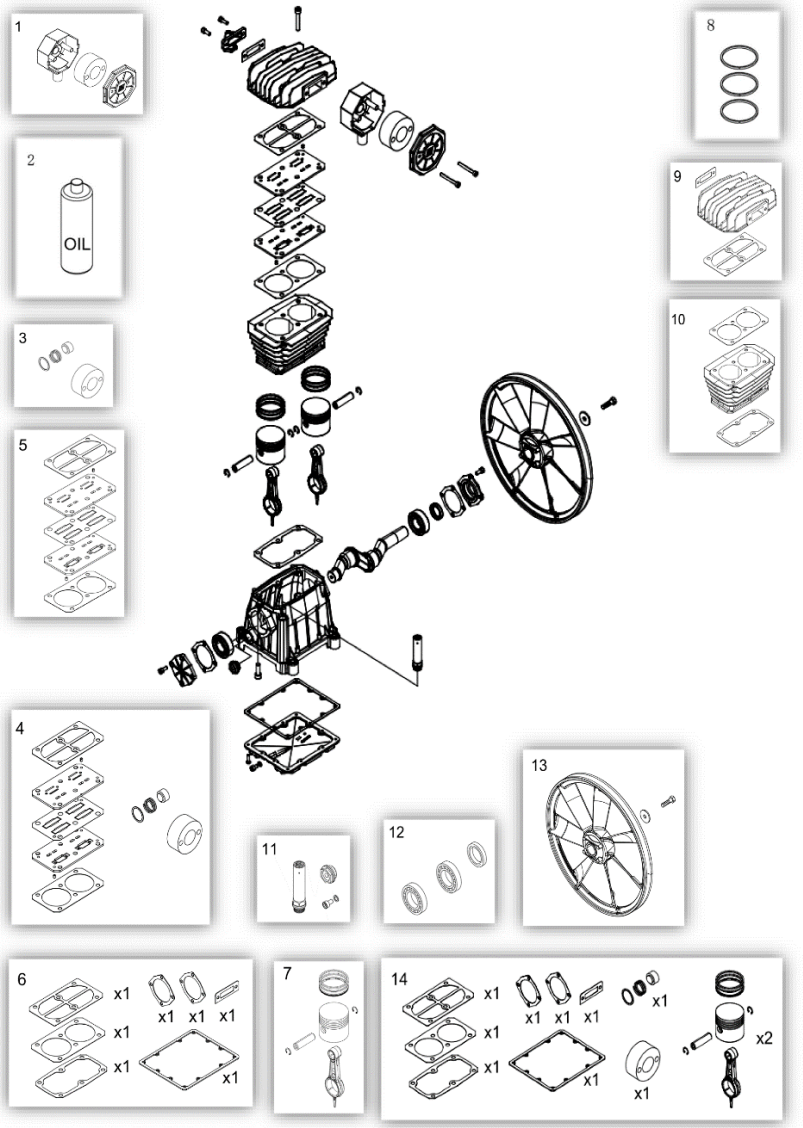
Model No.	6312V4	6312H4	6312VE4	6312HE4
Product No.	2020041723	2020041725	2020041728	2020041730
Compressor	2021119972	2021119972	2021119972	2021119972
Motor	1312101600	1312101600	1312101600	1312101600
Belt Guard	1312100983	1312100983	1312100983	1312100983
Discharge Line	1312100717	1312100717	1312101102	1312101101(Top) 1312101102 (Bottom)
Ball Valve	1312100570	1312100570	1312100163	1312100163
Pressure Switch	1312100163	1312100163	1312100570	1312100570
Unloader Line	1312100026	1312100026	1312100026	1312100026
Safety Valve	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378
Tank	1312900056	2021116142	1312900061	2021116144
Tank Drain	1312100360	1312100360	1312100110	1312100110
Magnetic Starter	2024002111	2024002111	2024002111	2024002111
Drive Pulley	1312100713	1312100713	1312100713	1312100713
Bushing	1312100446	1312100446	1312100446	1312100446

Iron Series Duplex

Model Number Part Number	4112D 2020041740	4312D 2020041741	4312D4 2020041742	4112DL 2020041743	4312DL 2020041744	4312DL4 2020041745
Compressor	2020041710	2020041710	2020041710	2020041710	2020041710	2020041710
Motor	2023000868	1312101602	1312101602	1312100400	1312101601	1312101601
Belt Guard	1312204300 (R) 1312204400 (L)	1312204300 (R) 1312204400 (L)	1312204300 (R) 1312204400 (L)	1312204300 (R) 1312204400 (L)	1312204300 (R) 1312204400 (L)	1312204300 (R) 1312204400 (L)
Discharge Line (Top)	1312100716 (R) 1312100719 (L)	1312100716 (R) 1312100719 (L)	1312100716 (R) 1312100719 (L)	1312100716 (R) 1312100719 (L)	1312100716 (R) 1312100719 (L)	1312100716 (R) 1312100719 (L)
Discharge Line (Btm)	N/A	N/A	N/A	N/A	N/A	N/A
Ball Valve	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163
Pressure Switch	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570
Unloader Line	1312100026	1312100026	1312100026	1312100026	1312100026	1312100026
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100028	1312100028	1312100028	1312100028	1312100028	1312100028
Tank	2021116158	2021116158	2021116158	2021116158	2021116158	2021116158
Tank Drain	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
Drive Pulley	1312100713	1312100713	1312100713	1312100938	1312100938	1312100938
Bushing	1312100445	1312100445	1312100445	1312100445	1312100445	1312100445
Belt	1312100724	1312100724	1312100724	1312100721	1312100721	1312100721
Check Valve	1312100171	1312100171	1312100171	1312100171	1312100171	1312100171
Panel Assembly	1312208700	1312208700	1312208701	1312208700	1312208700	1312208701
Megnetic Starter	2021119832	2021119832	2021119833	2021119832	2021119832	2021119833
Controller	1312101185	1312101185	1312101185	1312101185	1312101185	1312101185

Model Number Part Number	6312D 2020041746	6312D4 2020041747	6320D 2020041748	6320D4 2020041749		
Compressor	2020041711	2020041711	2020041711	2020041711		
Motor	1312101600	1312101600	1312101600	1312101600		
Belt Guard	1312204300 (R) 1312204400 (L)	1312204300 (R) 1312204400 (L)	1312204300 (R) 1312204400 (L)	1312204300 (R) 1312204400 (L)		
Discharge Line (Top)	1312100717 (R) 1312100717 (L)	1312100717 (R) 1312100717 (L)	1312100717 (R) 1312100717 (L)	1312100717 (R) 1312100717 (L)		
Discharge Line (Btm)	N/A	N/A	N/A	N/A		
Ball Valve	1312100163	1312100163	1312100163	1312100163		
Pressure Switch	1312100570	1312100570	1312100570	1312100570		
Unloader Line	1312100026	1312100026	1312100026	1312100026		
Safety Valve	9710533300	9710533300	9710533300	9710533300		
Pressure Gauge	1312100028	1312100028	1312100028	1312100028		
Tank	2021116158	2021116158	2021116165	2021116165		
Tank Drain	1312100360	1312100360	1312100360	1312100360		
Drive Pulley	1312100713	1312100713	1312100713	1312100713		
Bushing	1312100446	1312100446	1312100446	1312100446		
Belt	1312100723	1312100723	1312100723	1312100723		
Check Valve	1312100172	1312100172	1312100172	1312100172		
Panel Assembly	1312208700	1312208701	1312208700	1312208701		
Megnetic Starter	2021119832	2021119833	2021119832	2021119833		
Controller	1312101185	1312101185	1312101185	1312101185		

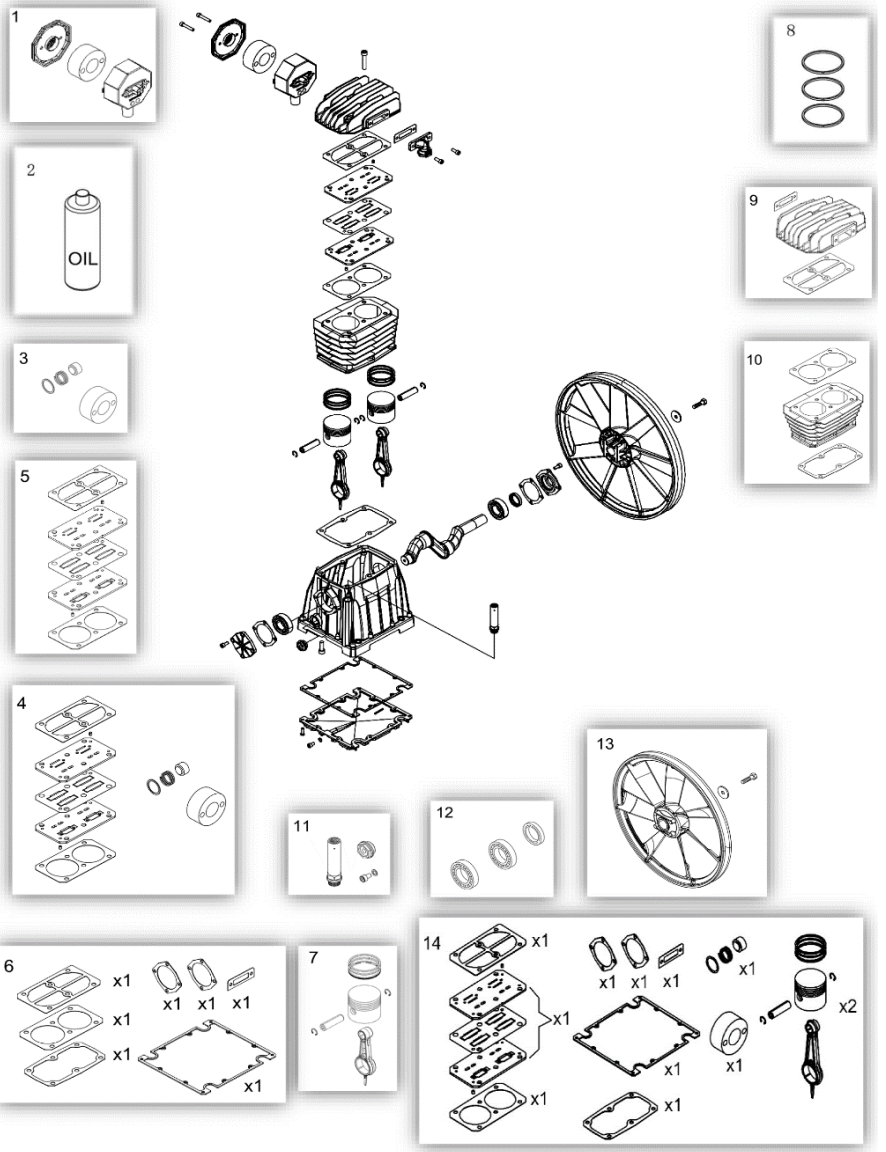
Compressor Pump 4116091336 (PAT24)



Item Number	Description	Part Numbers
Regular Maintenance Parts and Kits		
1	Complete Air filter including filter element	2236112735
2	Oil Atlair 150	1630054300
Preventive Maintenance Kits		
3	e-kit PAT24	1129706362
4	Performance Kit PAT24	1129706367
5	Valve Plate Kit	2236112518
6	Gasket Kit	1129706287
7	Piston Kit	2236111619

Item Number	Description	Part Numbers
Preventive Maintenance Kits (Continued)		
8	Piston Rings Kit	1129705098
Repairing Kits and Parts		
9	Head Kit	2901325044
10	Cylinder Kit	2236112434
11	Oil Kit	1129706370
12	Bearing Kit	1129706373
13	Flywheel Kit	1129707385
14	Heavy-Duty Kit PAT24	1129706372

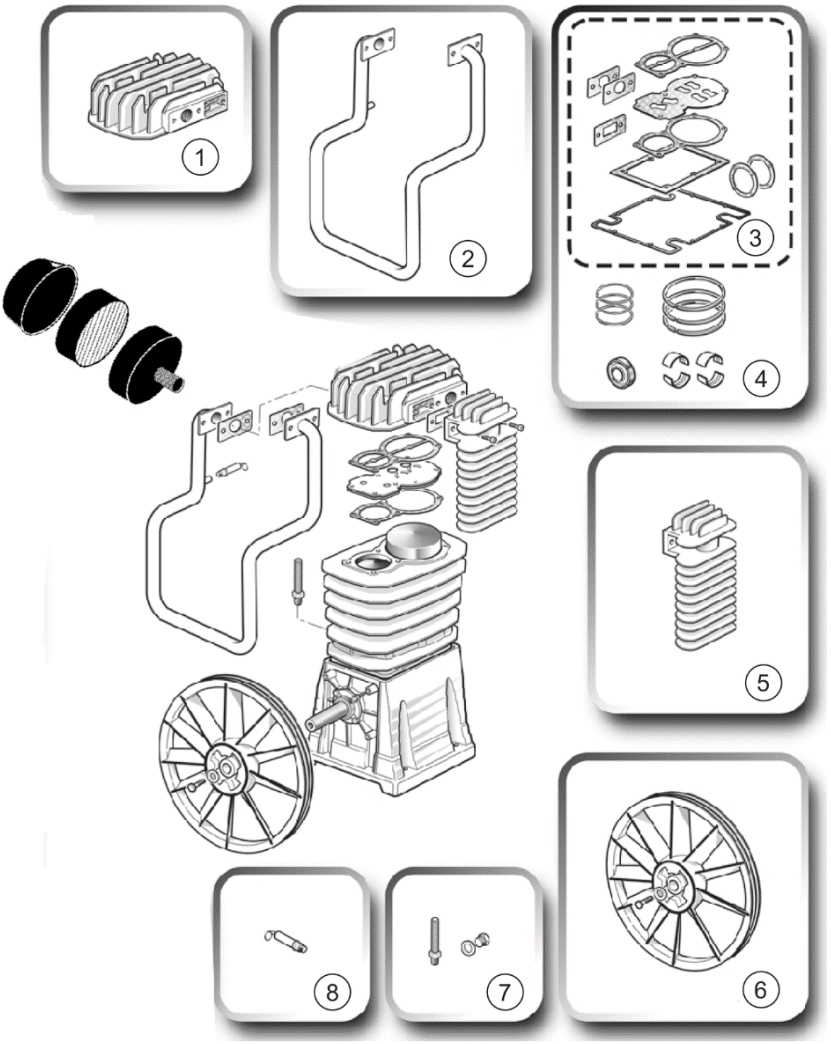
Compressor Pump 4116091337 (PAT38)



Item Number	Description	Part Numbers
Regular Maintenance Parts and Kits		
1	Complete Air filter including filter element	2236112735
2	Oil	2901160600
Preventive Maintenance Kits		
3	500h e-kit PAT38	1129706368
4	1000h Performance Kit PAT38	1129706371
5	Valve Plate Kit	2236112518
6	Gasket Kit	1129706288
7	Piston Kit	2236111620

Item Number	Description	Part Numbers
Preventive Maintenance Kits (Continued)		
8	Piston Rings Kit	1129705098
Repairing Kits and Parts		
9	Head Kit	1129706482
10	Cylinder Kit	2236112435
11	Oil Kit	1129706370
12	Bearing Kit	1129706373
13	Flywheel Kit	1129706483
14	2000h Heavy-Duty Kit PAT38	1129706369

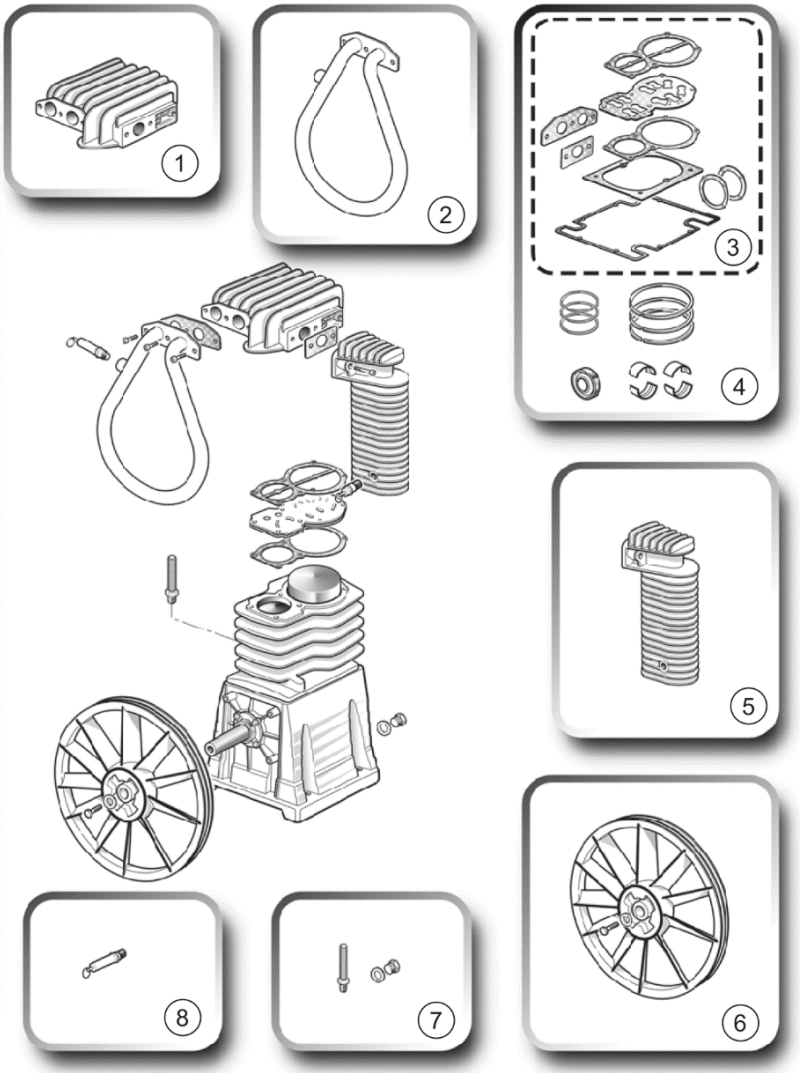
T29S (4116090112)



Item Number	Description	Part Numbers
01	Head Kit	2901324960
02	Intercooler Kit	2901324961
03	Gasket Kit	8973035118
04	Overhaul Kit	6229017300
05	Aftercooler Kit	2901324962
06	Flywheel Kit	6229017600
07	Oil Level Kit	2901324950

Item Number	Description	Part Numbers
08	65 psi Safety Valve	2901324963
	Filter Assembly	1312100376
	Filter Element	FE004
	Oil Sight Glass	2236102992
	Flywheel Bolt	6211848600
	Flywheel Washer	6214242800
	Valve Assembly	6210717280

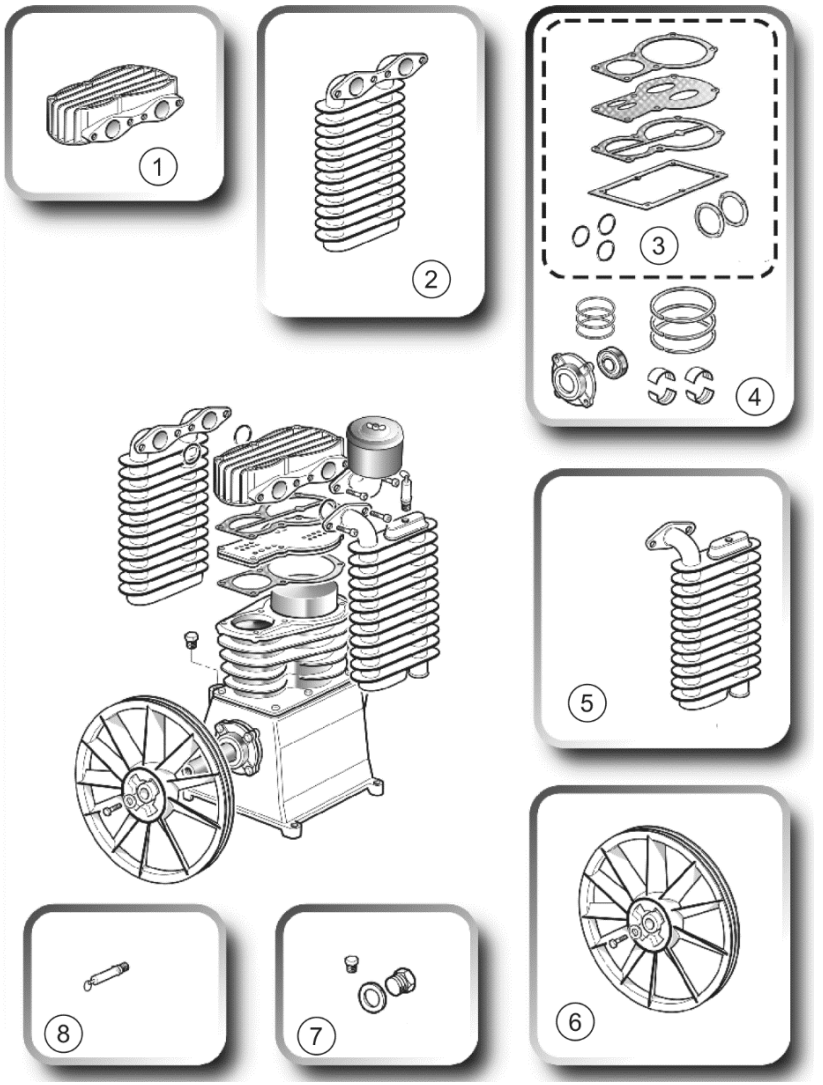
B5900 (4116090137)



Item Number	Description	Part Numbers
01	Head Kit	2901324964
02	Intercooler Kit	2901324965
03	Gasket Kit	8973037264
04	Overhaul Kit	6229026900
05	Aftercooler Kit	2901324966
06	Flywheel Kit	6229020100
07	Oil Level Kit	2901324951
08	65 psi Safety Valve	2901324963

Item Number	Description	Part Numbers
	217 psi Safety Valve	2901324974
	Filter Assembly	6211471600
	Filter Element	8973035122
	Oil Sight Glass	6214341200
	Flywheel Bolt	6211848500
	Flywheel Washer	6214242700
	Valve Assembly	6210716900

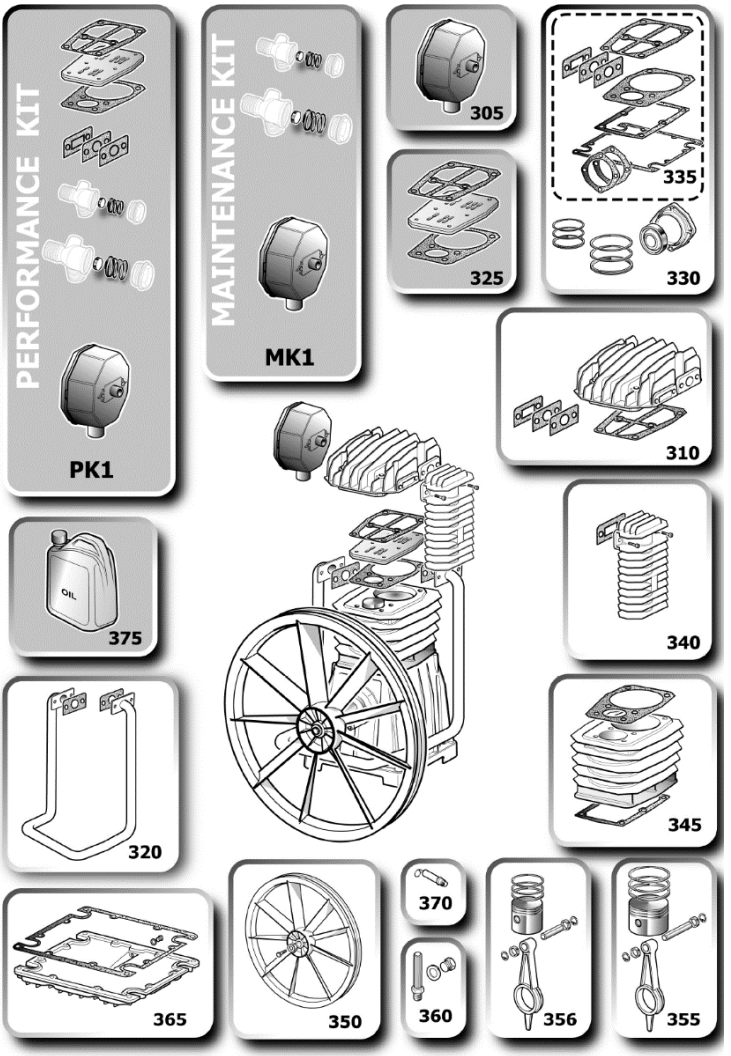
T39 (4116090019)



Item Number	Description	Part Numbers
01	Head Kit	2901324971
02	Intercooler Kit	2901324972
03	Gasket Kit	1310711137
04	Overhaul Kit	1310711168
05	Aftercooler Kit	2901324973
06	Flywheel Kit	6229018800
07	Oil Level Kit	2901324954
08	225 psi Safety Valve	1312100456

Item Number	Description	Part Numbers
	Filter Assembly	1312100374*
	Filter Element	FE001*
	Oil Sight Glass	2236102992
	Flywheel Bolt	6211848500
	Flywheel Washer	6214242700
	Valve Kit	2901324723
*QP Models	Filter Assembly Filter Element	1312100097 FR004

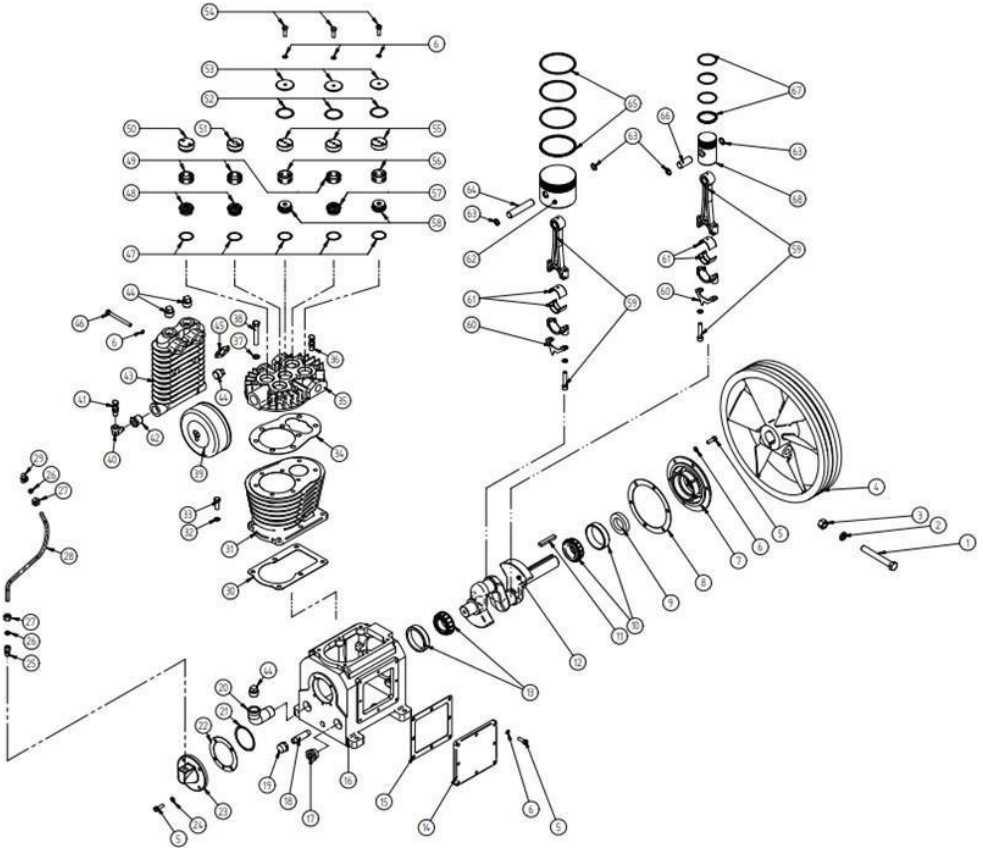
PAT49 (1609402495/1609402496)



Item Number	Description	Part Numbers
305	Filter Element	2236113754
310	Cylinder Head Kit	2901320419
320	Intercooler Kit	2901320421
325	Valve Plate Kit	2236113917
330	Bearing and Ring Overhaul Kit	2901320420
335	Gasket Kit	8973037937
340	Aftercooler Kit	2236112794
345	Cylinder Asembly	2236113914
350	Flywheel Kit	2901325050

Item Number	Description	Part Numbers
355	Conrod-Piston Assembly - LP	1129704957
356	Conrod-Piston Assembly - HP	1129704958
360	Oil Level Kit	2901325049
365	Crankcase Bottom Kit	2236112438
370	100 PSI Safety Valve Kit	1127190235
375	Oil	6215716300
MK1	Maintenance Kit	8973037941
PK1	Performance Kit	8973037939

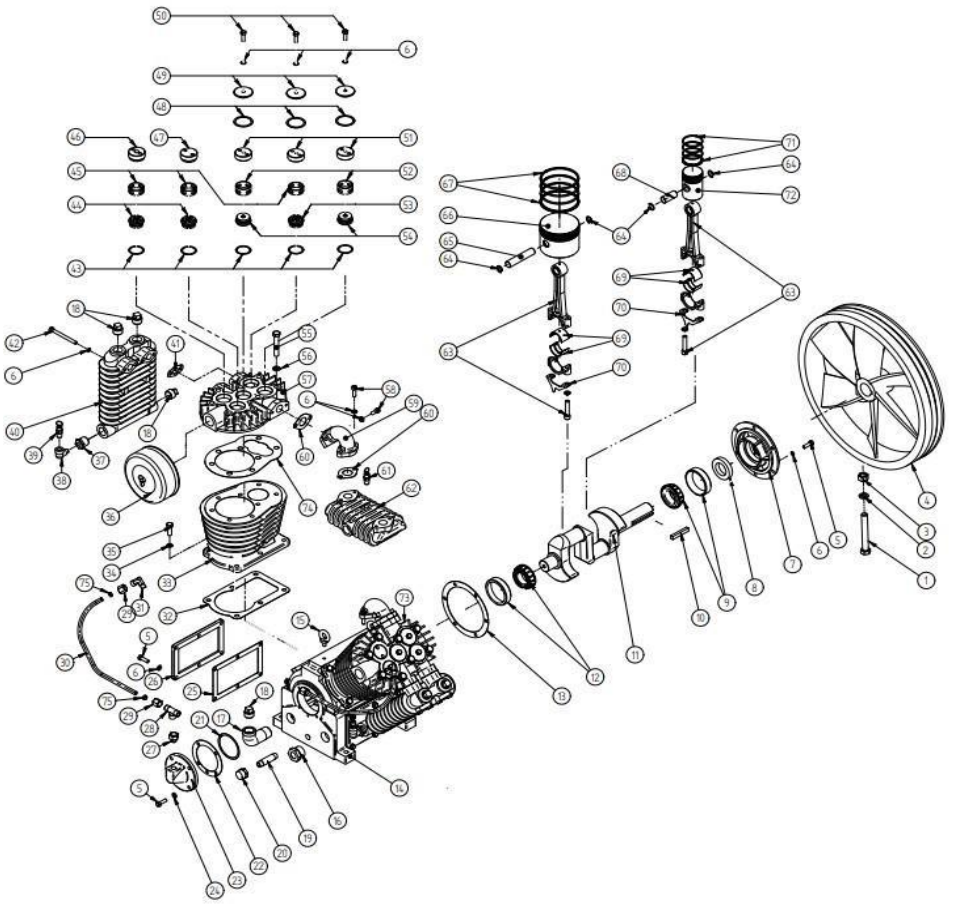
D1 (2020041709/2020041710)



D1 (2020041709/2020041710) (Continued)

Gasket Kit 2021120131			
ITEM	**QCY P/N**	**DESCRIPTION**	**QTY**
6	2024722000	COPPER GASKET 8	21
8	2024722001	GASKET,FRONT COVER	1
15	2024722002	GASKET,SIDE COVER	1
22	2024722003	GASKET,REAR COVER	1
30	2024722004	GASKET,CRANKCASE	1
32	2024722005	COPPER GASKET 10	6
34	2024722006	GASKET,CYLINDER HEAD	1
45	2024722007	GASKET,INTERCOOLER	2
47	2024722008	COPPER GASKET,VALVE SEAT	5
52	2024722009	GASKET,VALVE COVER	3
Head Re-Build Kit 2021120132			
ITEM	**QCY P/N**	**DESCRIPTION**	**QTY**
6	2024722000	COPPER GASKET 8	21
47	2024722008	COPPER GASKET,VALVE SEAT	5
48	2024722012	VALVE ASSEMBLY LP INLET	2
49	2024722013	SPACE-INLET VALVE	3
50	2024722014	RETAINER INLET VALVE	1
51	2024722015	RETAINER INLET VALVE	1
52	2024722009	GASKET,VALVE COVER	3
53	2024722017	VALVE COVER	3
54	2024722018	CAPSCREW M8*20	3
55	2024722019	RETAINER DISCHARGE VALVE	3
56	2024722020	SPACE-DISCHARGE VALVE	2
57	2024722021	VALVE ASSEMBLY HP INLET	1
58	2024722022	VALVE ASSEMBLY HP/LP DISCHARGE	2
Overhaul Kit 2021120133			
ITEM	**QCY P/N**	**DESCRIPTION**	**QTY**
6	2024722000	COPPER GASKET 8	21
8	2024722001	GASKET,FRONT COVER	1
15	2024722002	GASKET,SIDE COVER	1
22	2024722003	GASKET,REAR COVER	1
30	2024722004	GASKET,CRANKCASE	1
32	2024722005	COPPER GASKET 10	6
34	2024722006	GASKET,CYLINDER HEAD	1
45	2024722007	GASKET,INTERCOOLER	2
47	2024722008	COPPER GASKET,VALVE SEAT	5
52	2024722009	GASKET,VALVE COVER	3
53	2024722017	VALVE COVER	3
63	2024722034	SNAP RING 19	4
64	2024722035	WRIST PIN LP	1
65	2024722036	PISTON RING SET LP	1
66	2024722037	WRIST PIN HP	1
67	2024722038	PISTON RING HP	1
48	2024722012	VALVE ASSEMBLY LP INLET	2
57	2024722021	VALVE ASSEMBLY HP INLET	1
58	2024722022	VALVE ASSEMBLY HP/LP DISCHARGE	2
10	2024722042	FRONT BEARING E7508	1
13	2024722043	REAR BEARING E7307	1
39	2024722044	AIR FILTER ASSEMBLY	1

D2 (2020041711)



D2 (2020041711) (Continued)

Gasket Kit 2021120134			
ITEM	**P/N**	**DESCRIPTION**	**QTY**
6	2024722000	GASKET COPPER 8	40
13	2024722001	GASKET,FRONT COVER	1
22	2024722003	GASKET,REAR COVER	1
25	2024722048	GASKET-SIDE COVER	2
32	2024722004	GASKET,CRANKCASE	2
34	2024722005	COPPER GASKET 10	12
41	2024722007	GASKET,INTERCOOLER	4
48	2024722009	GASKET ,VALVE COVER	6
60	2024722053	GASKET-AFTERCOOLER	4
74	2024722006	GASKET,CYLINDER HEAD	2
Head Re-Build Kit 2021120135			
ITEM	**P/N**	**DESCRIPTION**	**QTY**
6	2024722000	GASKET COPPER 8	40
43	2024722008	COPPER GASKET,VALVE SEAT	10
44	2024722012	VALVE ASSEMBLY LP INLET	4
45	2024722013	SPACER-INLET VALVE	6
46	2024722015	RETAINER INLET VALVE	2
47	2024722014	RETAINER INLET VALVE	2
48	2024722009	GASKET ,VALVE COVER	6
49	2024722017	COVER,VALVE	6
50	2024722018	CAPSCRREW M8*20	6
51	2024722019	RETAINER,DISCHARGE VALVE	6
52	2024722020	SPACER-DISCHARGE VALVE	4
53	2024722021	VALVE ASSEMBLY HP INLET	2
54	2024722022	VALVE ASSEMBLY HP/LP DISCHARGE	4
Overhaul Kit 2021120136			
ITEM	**P/N**	**DESCRIPTION**	**QTY**
6	2024722000	GASKET COPPER 8	40
13	2024722001	GASKET,FRONT COVER	1
22	2024722003	GASKET,REAR COVER	1
25	2024722048	GASKET-SIDE COVER	2
32	2024722004	GASKET,CRANKCASE	2
34	2024722005	COPPER GASKET 10	12
41	2024722007	GASKET,INTERCOOLER	4
48	2024722009	GASKET ,VALVE COVER	6
60	2024722053	GASKET-AFTERCOOLER	4
74	2024722006	GASKET,CYLINDER HEAD	2
49	2024722017	COVER,VALVE	6
64	2024722034	SNAP RING 19	8
65	2024722035	WRISTPIN LP PISTON	2
67	2024722036	PISTON RING SET LP	2
68	2024722037	WRISTPIN HP PISTON	2
53	2024722021	VALVE ASSEMBLY HP INLET	2
54	2024722022	VALVE ASSEMBLY HP/LP DISCHARGE	4
44	2024722012	VALVE ASSEMBLY LP INLET	4
9	2024722042	FRONT BEARING	1
12	2024722043	REAR BEARING	1
36	2024722044	AIR FILTER ASSEMBLY	2

WARRANTY STATEMENT

The Company warrants that the Equipment manufactured by it and delivered hereunder shall be free from defects in material and workmanship for a period of twelve (12) months from the date of initial start-up, or eighteen (18) months from the date of shipment from the manufacturer, whichever occurs first. The foregoing warranty period shall apply to all Equipment, except for the following: (A) All two stage reciprocating stationary models are warranted for the earlier of twenty-four (24) months from the date of initial operation or thirty (30) months from date of shipment from the manufacturer. (B) Replacement parts will be warranted for three (3) months from the date of shipment from the manufacturer. Should the failure to conform to this warranty be reported in writing to the Company within said period, the Company shall, at its option, correct such non-conformity by suitable repair to such Equipment, or furnish a replacement part F.O.B point of shipment, provided that the Purchaser has installed, maintained, and operated such Equipment in accordance with good industry practices, and has complied with specific recommendations of the Company. Accessories and equipment furnished by the Company, but manufactured by others, shall carry whatever warranty the manufacturer conveyed to the Company and which can be passed on to the Purchaser. The Company shall not be liable for any repairs, replacements, or adjustments to the Equipment, or any costs of labor performed by the Purchaser without the Company's prior written approval.

The Company makes no performance warranty unless specifically stated within its proposal, and the effects of corrosion, erosion, and normal wear and tear are specifically excluded from the Company's warranty. In the event performance warranties are expressly included, the Company's obligation shall be to correct in the manner and for the period of time provided above.

THE COMPANY MAKES NO OTHER WARRANTY OR REPRESENTATION OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED. THIS WARRANTY SUPERSEDES ALL PREVIOUS WARRANTY STATEMENTS.

Correction by the Company of non-conformities, whether patent or latent, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of the Company and its distributors for such non-conformities with respect to, or arising out of such Equipment.

LIMITATION OF LIABILITY

THE REMEDIES OF THE PURCHASER SET FORTH HEREIN ARE EXCLUSIVE, AND THE TOTAL LIABILITY OF THE COMPANY, ITS DISTRIBUTORS AND SUPPLIERS WITH RESPECT TO CONTRACT OR THE EQUIPMENT AND SERVICES FURNISHED IN CONNECTION WITH THE PERFORMANCE OR BREACH THEREOF, OR FROM THE MANUFACTURE, SALE, DELIVERY, INSTALLATION, REPAIR OR TECHNICAL DIRECTION COVERED OR FURNISHED UNDER CONTRACT, WHETHER BASED ON CONTRACT, WARRANTY, NEGLIGENCE, INDEMNITY, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE OF THE EQUIPMENT UPON WHICH SUCH LIABILITY IS BASED.

THE COMPANY, ITS DISTRIBUTORS AND ITS SUPPLIERS SHALL IN NO EVENT BE LIABLE TO THE PURCHASER, ANY SUCCESSORS IN INTEREST, OR ANY BENEFICIARY OR ASSIGNEE OF THE CONTRACT FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, SPECIAL OR PUNITIVE DAMAGES ARISING OUT OF THIS CONTRACT OR ANY BREACH THEREOF, OR ANY DEFECT IN, OR FAILURE OF, OR MALFUNCTION OF THE EQUIPMENT, WHETHER OR NOT BASED ON LOSS OF USE, LOST PROFITS OR REVENUE, INTEREST, LOST GOODWILL, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, LOSS BY REASON OF SHUTDOWN OR NON-OPERATION, COST OF PURCHASE OF REPLACEMENT POWER, OR CLAIMS OF PURCHASER OR CUSTOMERS OF PURCHASER FOR SERVICE INTERRUPTION, WHETHER OR NOT SUCH LOSS OR DAMAGE IS BASED ON CONTRACT, WARRANTY, NEGLIGENCE, INDEMNITY, STRICT LIABILITY OR OTHERWISE.

BelAire Compressors
701 N. Dobson Avenue
Bay Minette, AL 36507
866-869-3114 (Parts and Technical)