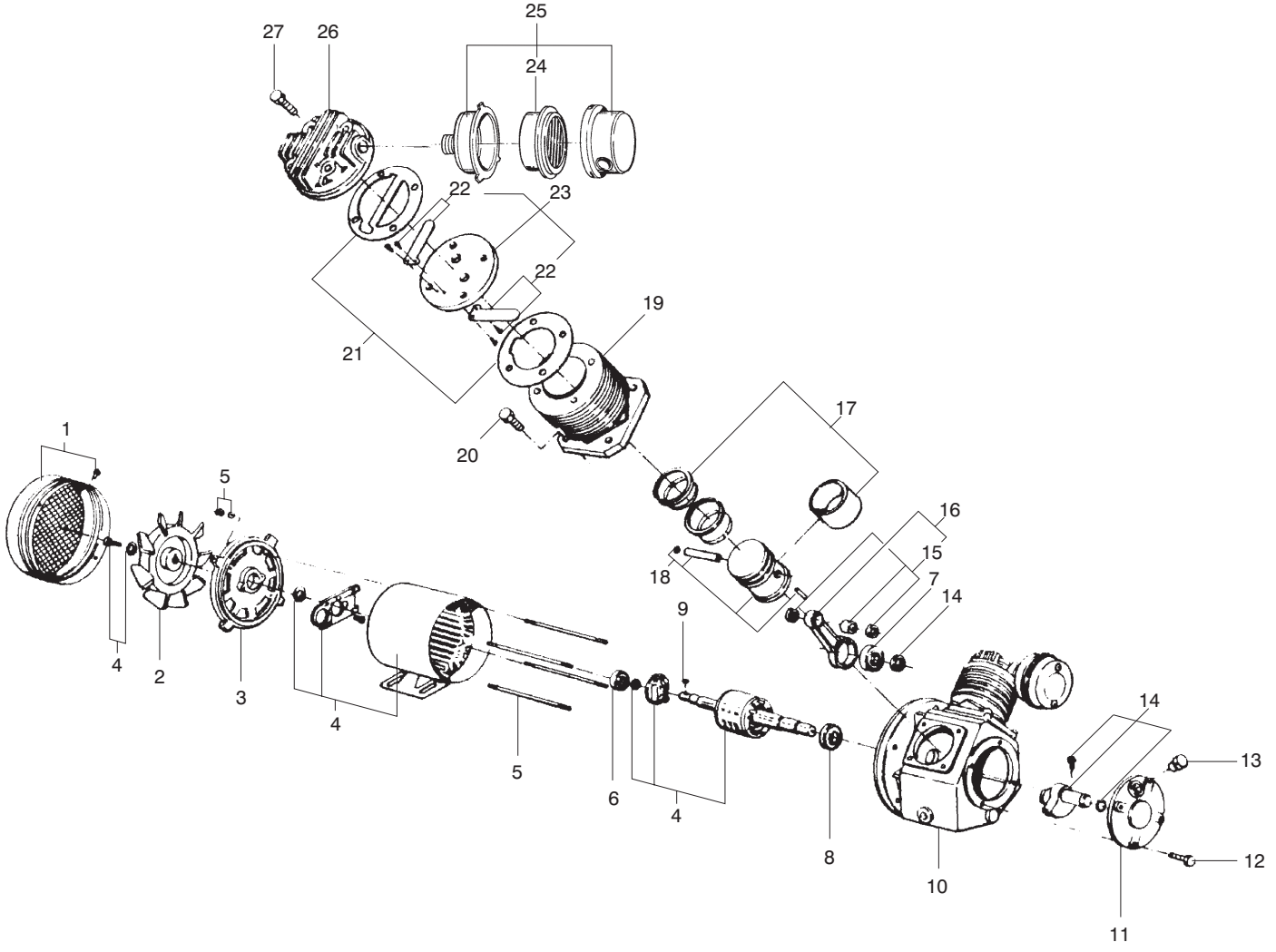
## TECHNICAL DATA

| MODEL | DISPLACEMENT cfm | MAX. PRESSURE psig | RPM | MOTOR WITH THERMIC PROTECTOR hp | WEIGHT IN lbs | DISCHARGE SIZE |
|---|---|---|---|---|---|---|
| **MSV 6** | 6,04 | 100 | 1730 | 1 | 64 | 1/4" NPT |




## BARE PUMP'S PARTS

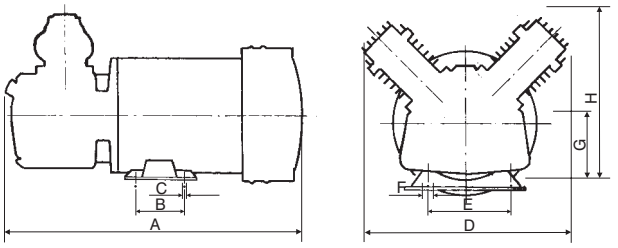
| No. | CODE | DENOMINATION | QUANTITY |
|---|---|---|---|
| 1 | 830.0185-2 | Protecting screen | 01 |
| 2 | 709.0251-6 | Fan | 01 |
| 3 | 709.0260-5 | End bracket | 01 |
| 4 | 830.0187-9 | 60 Hz electric motor | 01 |
| 5 | 830.0289-1 | Stud | 01 |
| 6 | 019.0017-0 | 6203 2Z bearing | 01 |
| 7 | 60154035 | 6203 2RS1 bearing | 02 |
| 8 | 382.0025-9 | 6304 2Z bearing | 01 |
| 9 | 013.0217-5 | Key | 01 |
| 10 | 709.0257-5 | Crankcase | 01 |
| 11 | 709.1252-0 | Crankcase cover with breather hole | 01 |
| 12 | * | UNC 1/4"x 1/2" LT head screw | 04 |
| 13 | 028.0035-7 | Crankcase breather (sse note) | 01 |
| 14 | 830.0193-3 | Crankshaft | 01 |

| No. | CODE | DENOMINATION | QUANTITY |
|---|---|---|---|
| 15 | 830.0695-0 | Needle bearing with grease seal | 02 |
| 16 | 830.0694-0 | Connecting rod | 02 |
| 17 | 830.0242-5 | Ring | 02 |
| 18 | 830.0692-0 | Ø46,5mm piston | 02 |
| 19 | 709.0242-7 | Cylinder | 02 |
| 20 | * | UNC 5/16"x 3/4" LT head screw | 08 |
| 21 | 830.0192-5 | Gasket | 01 |
| 22 | 830.0181-0 | Valve plate kit | 02 |
| 23 | 830.0641-0 | Valve plate | 02 |
| 24 | 809.0984-0 | Filter element | 02 |
| 25 | 809.0997-0 | Air filter | 02 |
| 26 | 709.0245-1 | Cylinder cover | 02 |
| 27 | * | UNC 1/4"x 1.1/2" LT head screw | 08 |
| - | 003.0004-7 | NPT 1/4"x3/8" elbow | 02 |

*** Part available in the market - not sold by Schulz S.A.**
**Note: available for products manufactured until April/2000.**

## DIMENSIONS

**MSV 6**




| | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| **mm** | 440 | 76 | 8,5 | 300 | 124 | 31 | 89 | 230 |
| **inch** | 17.3 | 3 | 0.33 | 11.8 | 4.9 | 1.22 | 3.5 | 9.05 |

## INSTALLATION AND OPERATION INSTRUCTIONS

### INSTALLATION AND LOCATION

1. **Installation:** Install the compressor in a covered, well ventilated area, free of dust, toxic gases, humidity or any other kind of pollution. The compressor should be located no closer than 32" (800mm) from a wall or any other obstacle that could interfere with the air flow through the fan. This distance will also make maintenance easier. Place the compressor on a leveled surface. Rotation of the flywheel must be in the direction of the arrow cast into the flywheel. The maximum ambient temperature recommended while working is 104ºF or 40ºC. If necessary, install an exhaust fan to guarantee fresh air and to dissipate heat.
   Before making the electrical connections, check oil level and top-up lubricating oil. For type of oil, see table at the end of these instructions.
2. **Electrical connection:** The country's valid electrical standards must be followed regarding Low Voltage Electrical Installation.

### OPERATION

1. **Start:** turn on the electrical start key and let your compressor run for about 10 (ten) minutes, what will keep the tank's internal pressure or compressed air around 20 psig. This will optimize a homogeneous lubrication of the parts.

## LIMITED WARRANTY

**All component parts on your SCHULZ compressor are warranted to be free of defects in workmanship and material for a period of one year. Transportation charges are responsibility of the purchaser. This warranty extends to the original purchaser of the compressor only.**

**There are no express warranties except as contained in this limited warranty statement and implied warranties, including those of merchantability and fitness for a particular purpose, are limited to the period of warranty.**

**Our liability is limited solely to replacement of nonconforming parts as set forth herein and does not include any liability for any incidental, consequential, or other damages of any kind. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.**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### MAINTENANCE

### WARNING

Turn off power before servicing and be sure the air tank is unloaded. These instructions are based on normal operating conditions. If the compressor is located in an exceedingly dusty area, increase the frequency of all inspections.

### DAILY

- Inspect the compressor visually.
- Drain moisture from the piping system.
- Be sure there is no excessive or unusual vibration or noise.

### WEEKLY

- Remove and clean intake air filters; do not wash the filter element.
- Clean cylinders externally, cylinder head, motor, fan blade, tubing, and tank.
- Safety valve should be tested manually to see if it is working properly.

### MONTHLY

- Check entire system for air leakage around fittings, etc by using water and soap lather.
- Check the pressure switch operation.

### QUARTERLY

- Change the air filter element every 300 working hours or quarterly. (Whichever occurs first).
- Fasten cap screws and nuts as required.

### EVERY 6 (SIX) MONTHS

- Lubricate the connecting rod(s)'s upper bearing.

### ANNUALLY

- Test and calibrate the pressure switch, pressure gauge, and safety valve according to their own technical standards. These parts must be removed from the tank and pump to be tested.
- Inspect and clean the suction and discharge valve(s) plate(s) every 1000 (one thousand) working hours (whichever occurs first), located between the cylinder and its cover and, if necessary, replace it (them) according to the operation conditions.

### NOTE:

Replace the connecting rod(s)' lower bearing every 1000 (one thousand) working hours

### LUBRICATION

Clean the connecting rod(s)'s upper bearing. Re-lubricate it (them) using Barrierta L55/3 grease.

### DISTRIBUTOR