

Features

JV AIR MOTOR

- Smooth-running, powerful piston-type air motor
- Develop 20 kW (27 hp) @ 2000 rpm
- Counter-balanced, drop-forged crankshaft on roller bearings, with lightweight reciprocating parts, fully enclosed and operating in oil.
- Hardened and ground piston-type valves, operate in replaceable sleeves.
- JV motors perform efficiency over a wide range of air pressures from 345 to 690 kPa (50 to 100 psi)
- Muffler kit available as option.

SPECIFICATIONS:

Horsepower: 20 kW (27 hp) @ 2000 rpm

Number of Cylinders: 2, in "V" - design reciprocating air motor

Bore: 86 mm (3 3/8 in)

Stroke: 64 mm (2 1/2 in)

Rotation: Counter-clockwise at crank end.

Air Consumption: 0.5 to 0.7 m³ (18 to 25 ft³) free air per minute per hp

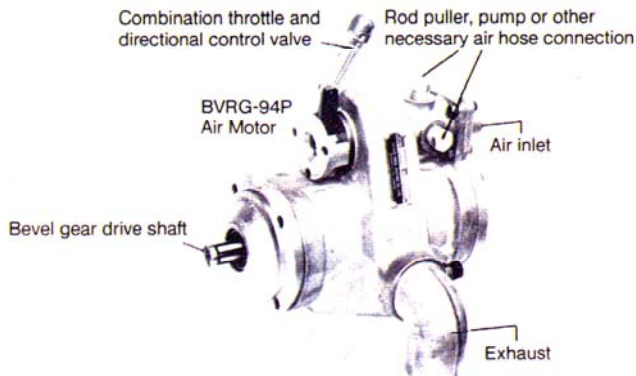
Hose Fitting Size 1 1/4 in NPT

Weight: 47 kg (103 lbs)



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These JKS air motors, combined with EG-type and AG Swivelheads, make up the VEG series, VAG and JVA Underground Drills. Both motors provide the drills with efficient performance. Selection of either the vane-type BVRG-94P motor, or the piston-type JV motor should be made based on conditions under which the drill will be run and characteristics of the motors. Details on this specification sheet include design and performance features of these two types of air motors.

Features

BVRG-94P AIR MOTOR

- Vane-type, develops 20 kW (27 hp) @ 3600 rpm
- Precision built motor for top performance and service; smooth running, constant torque characteristics of the motor give vibration-free drive for better core recovery.
- Wide speed range; from 300 to 3600 rpm.
- Spring-loaded plungers under each blade insure that the blades contact the liner at all times, even when the motor is stalled, thus giving very high starting torque characteristics.
- Heat-treated, high-strength aluminum alloy housings.
- Chrome plated precision ground liner for long service life.
- Outside and inside diameters of the liner, as well as of the end-plates, are concentric to facilitate regrinding and refacing.

- Vane wear can be checked quickly without dismantling the motor by making a visual check through the exhaust port.
- Combination throttle and directional control valve has gated handle to give positive location for forward, stop and reverse positions; prevents accidentally reversing the motor direction.
- Muffler kit available as option.

SPECIFICATIONS:

Horsepower: 20 kW (27 hp) @ 3600 rpm

Recommended Operating Range: 300 to 3600 rpm

Air Consumption: 0.5 to 0.6 m³ (18 to 20 ft³) free air per minute per hp

Air Hose Fitting Size 1 1/2 in NPT

Weight: 29 kg (64 lbs)

Length: 432 mm (17 in)

Diameter: 191 mm (7 1/2 in)