



First choice when  
quality counts.

# King<sup>®</sup> 56:1 Air-Powered Pump

- **More durable than ever before with longer life packing design**
- **Higher pump pressure ratio and flow performance handles a broader range of paints and coatings**
- **Improved serviceability means fewer parts, faster repairs and lower overall maintenance and ownership costs**

**For durability,  
power and  
reliability under  
tough working  
conditions**

The King air-powered pump produces the pressures and flow rates you need to airless spray most industrial corrosion control coatings. The King air motor provides twice as much power as a Bulldog pump to handle the big jobs. With pressures up to 5000 psi (34.5 MPa, 345 bar) and flow rate to 3.4 gpm (13 lpm), this pump has the capacity to supply multiple airless spray guns.

The King air motor has been designed and tested for more than 10 million cycles of operation.

#### **Typical Fluids Handled**

- Industrial protective coatings
- High solids epoxy primers and coatings
- High solids polyurethane top coatings
- PVC auto body sealers

#### **Typical Applications**

- Marine and shipyard
- Offshore
- Railcars and other transport vehicles
- Chemical and petrochemical plants
- Public works facilities
- Pulp and paper mills
- Nuclear and conventional power facilities
- Pipe coating



COMPONENTS

236-475

# Technical Specifications

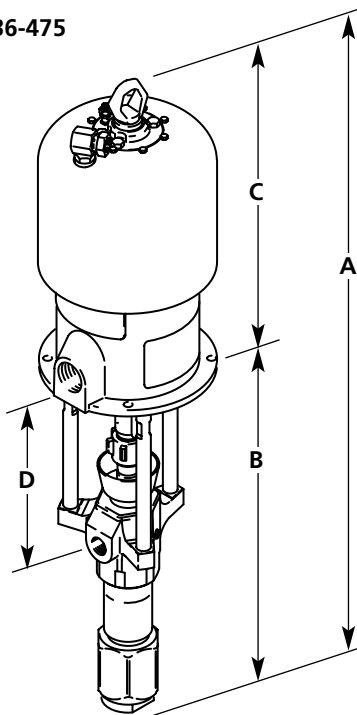
**Max. fluid working pressure** . . . 5000 psi (34.5 MPa, 345 bar)  
**Max. air input pressure** . . . . . 90 psi (0.63 MPa, 6.3 bar)  
**Fluid flow at 60 cpm** . . . . . 3.4 gpm (13 lpm)  
**Volume per cycle** . . . . . 7.25 oz. (0.21 cc)  
**Max. pump operating temperature** . . . . . 180°F (82°C)  
**Air inlet size** . . . . . 3/4 npsm(f)  
**Fluid inlet size** . . . . . 2 npt(f)  
**Fluid outlet size** . . . . . 1 npt(f)  
**Weight** . . . . . 240 lbs. (109 kg)  
**Instruction manuals**  
     **CS models** . . . . . 308-353  
     **SST models** . . . . . 308-354

<b>Sound Pressure Levels (dBa)</b> (tested in accordance with ISO 9614-2)	
<b>Input Air Pressure @ 25 cpm</b> <b>90 PSI (0.6 MPa, 6.1 Bar)</b>	
King 56:1 – 236-475, 237-283	98 dB(A)
King 56:1 – 237-278	87 dB(A)

<b>Sound Power Levels (dBa)</b> (tested in accordance with ISO 9614-2)	
<b>Input Air Pressure @ 25 cpm</b> <b>90 PSI (0.6 MPa, 6.1 Bar)</b>	
King 56:1 – 236-475, 237-283	113 dB(A)
King 56:1 – 237-278	101 dB(A)

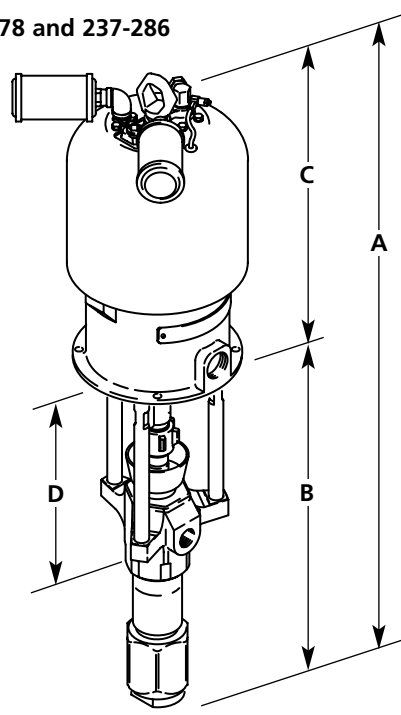
# Dimensions

Model 236-475



A	B	C	D
45.15 in. (1147 mm)	29.37 in. (746 mm)	15.78 in. (401 mm)	16.26 in. (413 mm)

Models 237-278 and 237-286



A	B	C	D
46.44 in. (1180 mm)	23.23 in. (590 mm)	23.21 in. (590 mm)	10.12 in. (257 mm)

# Ordering Information for King 56:1 Pump

Order number includes motor and pump lower assembly

Order Nos.	236-475	237-278	237-283	237-286
<b>Pump Lower</b>				
Part No.	236-466	236-466	236-466	236-470
Construction	CS	CS	CS	SST
Standard Seal Repair Kits	237-163	237-163	237-163	237-172
Construction	Leather	Leather	Leather	Leather
Optional Seal Repair Kits	237-164	237-164	237-164	237-173
Construction	Teflon®	Teflon	Teflon	Teflon
	237-165	237-165	237-165	237-174
	UHMWPE/Leather	UHMWPE/Leather	UHMWPE/Leather	UHMWPE/Leather
	237-709	237-709	237-709	237-710
	UHMWPE/Teflon	UHMWPE/Teflon	UHMWPE/Teflon	UHMWPE/Teflon
<b>Motor</b>				
Part No.	207-647	237-000*	207-647**	237-000*
Repair Kit	207-730	220-153	207-730	220-153

## SERVICE PARTS INFORMATION

Pump Lower Part Nos.	236-466	236-466	236-466	236-470
Displacement Rod	189-316	189-316	189-316	189-316
Construction	SST	SST	SST	SST
Cylinder	189-383	189-383	189-383	189-383
Construction	SST	SST	SST	SST
Intake Valve (order separate part numbers)				
Intake Ball	108-001	108-001	108-001	108-001
Intake Valve Seat	222-952	222-952	222-952	236-588
Piston Valve (order separate part numbers)				
Piston Ball	100-400	100-400	100-400	101-859
Seat	236-587	236-587	236-587	236-587
Ball Guide	189-407	189-407	189-407	189-408

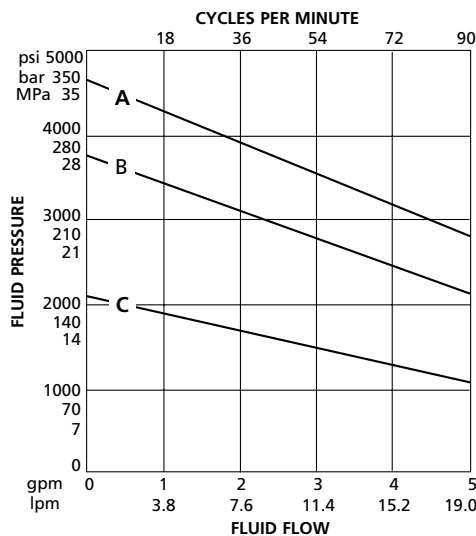
\*Quiet Air motor.

\*\*Standard King air motor with riser tube.

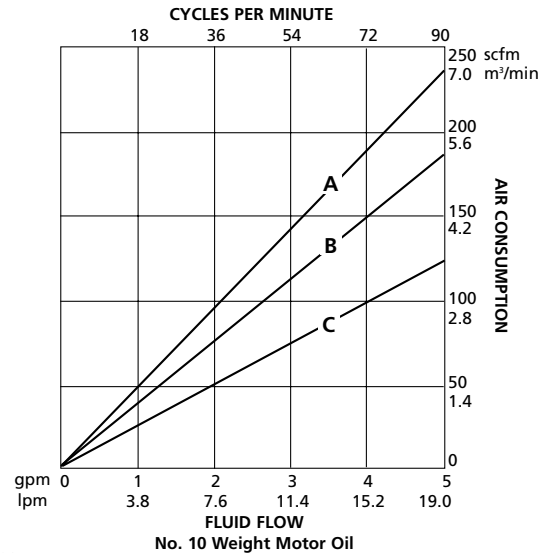
Teflon® is a registered trademark of Du Pont.

## Performance Charts

### Fluid Pressure



### Air Consumption



Air Pressures  
 A = 90 psi (0.6 MPa, 6.1 bar)  
 B = 70 psi (0.48 MPa, 4.8 bar)  
 C = 40 psi (0.28 MPa, 2.8 bar)

## Accessories

### 238-634 Surge Tank/Filter Kit

Surge tank/filter kit with pressure drain ball valve.  
60 mesh, 18 sq. in. (45.6 cm) filter. Inlet: 3/4 npt(f)  
Outlets: 3/8 and 1/2 npt(f)

### Nylon Paint Hose

**215-245** Max. working pressure: 5000 psi (34.5 MPa, 345 bar). 3/8 in. ID x 50 ft. (0.95 cm ID x 15 m). 3/8 npt(mbe)

**215-227** Max. working pressure: 4050 psi (28 MPa, 280 bar). 1/2 in. ID x 50 ft. (1.26 cm ID x 15 m). 1/2 npt(mbe)

### 214-913 Whip Hose

Max. working pressure: 5000 psi (34.5 MPa, 345 bar).  
1/4 in. ID x 6 ft. (0.63 cm ID x 1.8 m). 1/4 npsm(fbe)

### 156-173 Union

Use to connect 3/8 in. (0.95 cm) hoses together.  
3/8 npt(f) x 3/8 npsm(f)

### Hose Swivel

**214-925** Max. working pressure: 5000 psi (34.5 MPa, 345 bar). 3/8 npt(f) x 1/4 npsm(f)

**236-987** Max. working pressure: 7400 psi (51 MPa, 510 bar). 1/4 npt(m) x 1/4 npsm(f) SST

### 150-287 Adapter

Use to connect 3/8 in. (0.95 cm) hose to whip hose.  
3/8 npt(f) x 1/4 npt(m)

### 235-460 Silver Gun

With flat tip retainer. Inlet: 1/4 mpsm(m)  
Outlet: 7/8 in. (2.22 cm) thread

### 222-674 HD RAC Tip Retainer With DripLess™ Guard

Inlet: 7/8 in. (2.22 cm) thread

### GHD-xxx HD RAC Tips

See your local distributor for tip size selection.

### 224-040 Pump Runaway Valve

### High Pressure Shutoff Valve

**210-657** Inlet: 1/4 npt(m). Outlet: 1/4 npt(m)

**210-658** Inlet: 3/8 npt(m). Outlet: 3/8 npt(m)

**210-659** Inlet: 1/4 npt(m). Outlet: 3/8 npt(m)

### 112-264 Carbide Piston Ball

Use for exceptionally abrasive coatings.  
Diameter: 3/4 in. (19 mm)

### 237-782 Adapter

Use for ram mounting. 2 npt(m) x flange. Includes lug kit (222-776).

### 237-781 Floor Stand Kit

Includes floor stand (222-274) and adapter (237-782).

### 235-417 Connection Kit

Includes ties rods and parts necessary to connect above displacement pump to existing King air motor.