

# HDP 74 High Pressure Triplex Pump for high performance cutting systems



## Pump Features

- Power ratings up to 95 hp
- Vertical 3 cylinder design
- Compact design

## Quality and reliability

- Stainless steel stress free pump head
- Bellows form hermetic seal between the suction chamber and crank section
- Choice of bronze (standard) or stainless steel suction chamber
- Crank section calculation by 'Finite element method' ensures long working life under continuous load
- Integral speed reduction gear
- Pressurised oil lubrication system with oil cooler/filter



## Package features

- Stainless steel water tank with booster pump and filter
- Frequency converter for speed variation
- Stainless steel noise hood with large access doors for ease of maintenance

## Applications

Cold cutting of:

- Metals such as steel, stainless steel, aluminium
- Marble, granite
- Glass, armoured glass
- Ceramics
- Laminates
- Composites
- Plastics, rubbers
- etc.

## HDP 74, technical data

Hammelmann high pressure pumps are built to operate at the continuous maximum duty stated in the performance parameters. Just compare the crank shaft speed, average plunger speed, plunger diameter and power rating.

HDP 74	
Op. Pressure	55100 psig
Flow rate	2.2 gpm
Plunger dia	0.47 inch
Motor rating	95 hp

- Rod force: 30 lbf
- Stroke: 1.57 inch
- Mean piston speed at n<sub>2</sub>  
 625 r.p.m. = 2.7 foot/sec  
 750 r.p.m. = 3.3 foot/sec  
 900 r.p.m. = 4.0 foot/sec



68.9 inch



44.5 inch



51.4 inch



Weight 2976 lbs

**Hammelmann Corp.** 600 Progress Road  
 Dayton, Ohio 45449  
 eMail: mail@hammelmann.com

Phone (001) 937-859-8777  
 Fax: (001) 937-859-9188  
 http://www.hammelmann.com

