### Pump Overview

#### Recommended Combination

<table>
<thead>
<tr>
<th>Prod.-No.</th>
<th>02121</th>
<th>03853</th>
<th>03852</th>
<th>02027</th>
<th>02140</th>
<th>03990</th>
</tr>
</thead>
</table>

#### Possible Combination

- **FOOT PUMP**
  - AHP 03-01
  - SC-05 III B
  - DSP-120
  - LHP 700
  - ALH 600

**AP 250**

**AP 400**

* in combination with optional foot switch
Hand punch with hydraulic hose and cylinder.
Ideal for use in tight spaces.

**Punching capacity**
- **Round holes** up to Ø 82 mm
- **Square holes** up to 68 x 68 mm
- **Rectangular holes** up to 46 x 86 mm

**Punching force:** 75 kN
**Operating pressure max.:** 650 bar
**Hydraulic hose length:** 600 mm
**Weight:** 2.0 kg

**Contents:**
1 compact flex hand hydraulic punch
1 hydraulic screw Ø 19.0 mm
1 hydraulic screw Ø 19.0 x 9.5 mm
1 HSS pre-drill Ø 11.0 mm
1 set of distance bushes, 3 pieces

---

**Max. operating pressure 700 bar.**
**Built-in pressure control valve.**
**For all round, square, rectangular and special shape punchers.**
**The foot pump leaves both hands free for exact positioning and punch- ing on the control cabinet. The foot pump carrier frame is splayed, guaranteeing safe work without tilting.**

**Tank volume** 270 cm³
**Useful oil volume** 210 cm³
**Pumping capacity** 1.7 cm³ per piston stroke

**Contents:**
1 hydraulic cylinder with quick coupling
1 hydraulic hose 2.8 m
1 hydraulic screw Ø 19.0 and 19.0 x 9.5 mm
1 set of distance bushes, 5 pieces
1 pre-drill Ø 11.0 mm
without punches and dies

---

**Compact flex hand hydraulic punch**
Prod.-No. 02065

**Foot pump set with hydraulic cylinder and accessories**
Prod.-No. 02120

**Individual foot pump, with 2.8 m hydraulic hose**
Prod.-No. 02121
**ALFRA ELECTRO-HYDRAULIC PUMP AHP 03-1**

Made in Germany by ALFRA

**Technical data:**
- **Motor voltage:** 230 V / 50 Hz (110 V / 50 + 60 Hz on request)
- **Motor output:** 0.55 kW, 2,720 rpm
- **Max. operating pressure:** 700 bar
- **Pump capacity:** 0.62 l / min. at 60 Hz, 0.52 l / min. at 50 Hz
- **Tank volume:** 2.5 l / useful volume 1.5 l
- **Temperature switch:** 80°C +/- 5°
- **Weight:** 17 kg
- **Dimensions L x W x H:** 330 x 180 x 350 mm

**Option:**
- Foot switch with 2 pedals, start-stop function

**Prod.-No.**
- 03853

**Electro-hydraulic pump AHP 03-1 with hand switch,**
2.0 m hydraulic hose with quick coupling

**Prod.-No.**
- 03852

**ALFRA ELECTRO-HYDRAULIC PUMP SC-05 III B**

Made in Germany by ALFRA

**Technical data:**
- **Motor voltage:** 230 V / 50 Hz (110 V / 50 Hz or 60 Hz on request)
- **Motor output:** 1.1 kW
- **Max. operating pressure:** 700 bar
- **Default setting:** 620 bar
- **Pump capacity:** 0.9 l/min. at 60 Hz
- **Tank volume:** 5.0 l
- **Weight:** 29 kg
- **Dimensions L x W x H:** 500 x 230 x 370 mm

**Option:**
- Foot switch for start-stop-off function, 3 pedals

**Prod.-No.**
- 03865

**Electro-hydraulic pump SC-05 III B with 2.0 m hydraulic hose + quick coupling**

**Prod.-No.**
- 03853

**Prod.-No.**
- 03866

**Prod.-No.**
- 03861
ALFRA ELECTRO-HYDRAULIC PUMP DSP-120

Compact electro-hydraulic pump, two-stage operation with holding function for single-acting hydraulic cylinder.

**Technical data**
- Operating voltage: 230 V/50 Hz
- Motor output: 0.4 kW
- Max. operating pressure: 700 bar
- Pump capacity at 0 - 20 bar: 2.0 l/min
- Pump capacity at 20 - 700 bar: 0.2 l/min
- Tank volume: 1.2 l
- Useful oil volume: 0.8 l
- Weight approx.: 7.5 kg

**Electro-hydraulic pump with accessories**

**Contents:**
- 1x hydraulic cylinder SKP-1
- 1x hydraulic hose 1.8 m
- 1x hydraulic screw Ø 19.0 and 19.0 x 9.5 mm
- 1x set of distance bushes, several pieces
- 1x pre-drill Ø 11.0 mm
- 1x hand switch

**Electro-hydraulic pump, individual, 220 V, with 1.8 m hydraulic hose, quick coupling and hand switch**

**Foot switch with 2 pedals**

**Hand switch**

---

ALFRA AIR HYDRAULIC PUMP – LHP 700

Air hydraulic pump for operating single-acting hydraulic cylinders for punching tools, cable shears, pressing devices or similar applications.

- Robust tank
- Tank ventilation filter
- Reduced noise level
- Oil level indicator on the tank
- Precise starting under load is possible
- Exact control – the relief valve operated via the foot pedal permits the load to be reduced exactly
- Hydraulic hose 2.0 m with quick coupling

**Technical data**
- Max. operating pressure: 700 bar
  (for a feed pressure of 7 bar)
- Feed line pressure/working range: 2.8 - 10 bar
- Air connection: 1/4" thread
- Pump capacity, pressureless: 1.0 l/min
- Pump capacity p max. (with 7 bar air): 0.1 l/min
- Tank volume: 2.4 l
- Useful oil volume: 2.1 l
- Weight: 6.3 kg

**Air hydraulic pump**

---