Hydraulic Presses

HPK 100

SKU : 131509

The HPK A series is a series of hydraulic presses with a C-shaped design for deep drawing, forming, and notching processes. These machines are manufactured in Europe, and all components and parts meet extremely strict quality requirements. The possible force ranges from 40 to 300 tons. The entire series has large ram plates on the cylinder and work table with clamping flutes for mounting tools and accessories. Mobile 2-hand operation guarantees safety, and the travel distance is defined with adjustable limit switches. We also offer customized solutions that are based on individual customer requirements.

- Classic design with c-frame
- Completely built in Europe for high reliability
- Designed for testing or batch production
- Possibility of Industry 4.0 integration
- Customized solution available

TECHNICAL SPECS

WORKING AREA

Pressure force	110 t
Table dimensions	31 in x 24 in
Stroke	19.7 in
Ram-plate size	28 in x 14 in
Throat	12 in
Stroke speed	0.16 in/s

RAPID FEED

Rapid feed	1 in/s

DRIVE CAPACITY

Motor rating	5.4 Hp

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	75 in x 48 in x 103 in
Weight	7480 lbs

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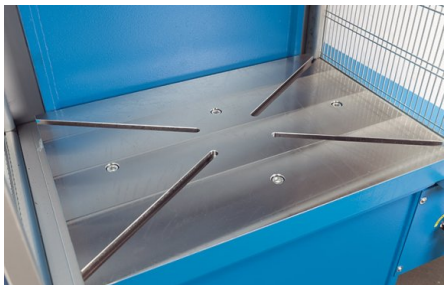
Published on: 08/21/2024

Space saving hydraulic system located accessibly inside the frame

Two circular guides ensure maximum ram plate parallelism during stroke movement



Diagonally aligned slots for easy centered tool clamping

PRODUCT DETAILS

- Made in Europe - perfectly welded C-frame steel construction for high rigidity, designed for maximum machine force
- Large ram plates and work tables to ensure large tools or multiple setups
- Hydraulic presses are extremely versatile due to their distance/time flexibility of the stroke
- A powerful hydraulic cylinder and two self-lubricating circular guides ensure precise and uniform feed of the ram plate during press operations
- Precision-machined cylinder surfaces and high-quality seals ensure low wear and long lasting reliability
- Rapid adjustment of stroke length via easy to set stops
- Space saving hydraulic system located accessibly inside the frame
- 2-step hydraulic pump for fast rapid feeds and optimum stroke speeds
- Ram plate and work table with t-slots for tool clamping
- A mobile control panel provides flexibility, while additional controls are easily accessible integrated in the control cabinet
- All components are made according to strict standards, and the entire construction meets European safety guidelines

STANDARD EQUIPMENT

Two-hand control panel
Adjustable limit stops
Pressure gauge
Ram plate with 2 guides and t-slots
Automatic operation
Automatic return stroke
Siemens PLC
2-step hydraulic pump with automatic change-over
Pressure switch
Operating time timer
Operator manual

OPTIONAL EQUIPMENT

- Light curtain L = 39.4", SKU : 253855
- Upgrade to Siemens KTP 700 Basic digital control, SKU : 253856
- Upgrade from 2 to 4 guideways for HPK / KP 40-100 t, SKU : 253857
- Preparation for Industry 4.0, SKU : 253859
- Press stroke counter, SKU : 253860
- Oil cooler with decompression valve, SKU : 253861
- Decompression valve, SKU : 253862

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