

## HYDRAULIC RECTILINEAR SAW PPH 350

### Use and description:

Hydraulic rectilinear saw **PPH 350** (hereinafter only saw) is used for cutting metal and non metal materials, e.g. steel arch support profiles with overhang saw blade. During cutting the saw is clamped in a jig rigid fastened to the material to be cut.

The saw consists of a rotary hydraulic motor, which drives – through cylindrical cam and guiding pin – the movable rod seated in a frame. The blade is rigidly connected to the rod with bolts. For clamping the saw with jig pin, an opening and arrestment pin are in the bottom part of the tool.

The hydraulic motor is driven through distribution box, on which there are control, throttle and safety valves.



CLAMP JIG



PPH 350

### Characteristics:

| Type   |   | PPH 350               |
|--|---|-----------------------|
| Output at frequency 200 1.min <sup>-1</sup>          | kW  | 1                     |
| Adjustable frequency range                           | stroke.min <sup>-1</sup>  | 96 ÷ 320              |
| Recommended frequency for steel                      | stroke.min <sup>-1</sup>  | 200 ± 50              |
| Range of working pressure                            | MPa   | 10 – 32               |
| Flow rate at frequency 200 1.min <sup>-1</sup>       | dm <sup>3</sup> .min <sup>-1</sup>  | 7                     |
| Stroke of saw blade                                  | mm  | 68                    |
| Working liquid                                       | emulsion HFA with min. 3+5% concentration or hydraulic liquid having a viscosity of 46 mm <sup>2</sup> .s <sup>-1</sup> at 40°C |                       |
| Filtration   | µm  | 25                    |
| Length of saw blade                                  | mm  | 350                   |
| Outside dimensions with saw blade 350 mm (w x h x l) | mm  | 113x253x536,50+604.50 |
| Weight   | kg  | 13.7                  |
| Connection hose DN (STECK)                           | mm  | 8/10                  |

Type marking:

**PPH 350**

PPH HYDRAULIC RECTILINEAR SAW  
350 max. length of saw blade

The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC of the European Parliament and of the Council and meets the requirements for using in areas “dangerous atmospheric conditions 2” according to EN 1127-2+A1 on condition that all national regulations of the employer are fulfilled.