

## Cooling of liquids VLV 80

Assigned above all for cooling of machine tools lubricating oil. Cooling and constant temperature maintenance frames for machine tools optimal work conditions. This conduce to continuously maximum rating of machining.

### TECHNICAL PARAMETERS:

Product mark	VLV 80
Exterior dimensions in mm (WxHxD)	1200x1200x960
Weight:	89 kg
Nominal voltage	3/N/PE AC 400/230V 50 Hz
Direct voltage	2/PE DC 24V
Installed electric power	10,6 kW/50 Hz
Nominal current of circuit breaker	24 A/C



### OPERATION PARAMETERS (condensation temperature +50°C):

Cooling power (50 Hz)	19200 W 610 %
Min. output water temperature	-5°C
Max. input water temperature	+10°C
Min. water passage	30 l/min
Max. input water pressure	1,0 Mpa

### OPERATION ENVIRONMENT OF EQUIPMENT

#### (ČSN EN 60204-1):

Min. surrounding temperature	+10°C
Max. surrounding temperature	+40°C
Max. relative humidity	80 % at +32°C
	30 % at +50°C

Max. altitude for equipment operation                      1000 m above sea level

Electric installation is made according standard ČSN EN 60204-1, covering protection degree IP 54. Equipment VLV 80 is assigned for "NORMAL" locality according sec. 320.N4 ČSN 33 2000-3, mod. IEC 364-3: 1993.

### **COOLING CIRCUIT:**

Compressor	MANEUROP MTZ 80 JH 4A VE
Kind of oil	MANEUROP 160 PZ
Volume of oil	1,12 dm <sup>3</sup>
Kind of cool agent	R 404a
Volume of cool agent	6 Kg