Pumps

HAWE HYDRAULIK

Compact hydraulic power packs type HK

Because of the unique integrated fan configuration, the "ready for connection" hydraulic power packs are ideal for continuous operation. This type is available for single circuit operation (radial piston or gear pump), dual circuit operation (radial piston and/or gear pump) or triple circuit operation (radial piston pump only).
Complete hydraulic control systems can be created by directly mounting various combinations of connection blocks and valve banks to the hydraulic power pack.
These hydraulic power packs are used for machine tools (lathes and milling machines), jigs or general machine applications.

Nomenclature:	Radial piston pump and/or gear pump with integrated motor (Version for 3-phase mains)
Design:	Oil immersed compact hydraulic power pack for permanent and intermittent operation (S 1 / S 3 service)
p_{max}:	700 bar (radial piston pump) 150 bar (gear pump)
Q_{max}:	Radial piston pump approx. 13 l/min (high pressure) (V_g = 9,15 cm³/rev) Gear pump 16 l/min (low pressure) (V_g = 11,0 cm³/rev)
$V_{usable\ max}$:	approx. 3,7 l

Basic types and general parameters

Basic type and size		Parameters: Delivery flow Q_{pu} (l/min), approximate reference value and max. pressure P_{max} (bar) with S 6 operation [1]						
		Radial piston pump				Gear pump		
Single circuit pump:								
HK 24	Q_{max}	**H 0,46**	**H 0,7**	**H 1,08**	**H 1,77**			
	p_{max}	700	550	400	200			
HK 33, HK 338	Q_{max}	**H 1,25**	**H 2,5**	**H 3,6**	**H 6,5**	**Z 2,7**	**Z 4,5**	**Z 6,9**
	p_{max}	380	185	130	70	150	100	70
HK 34, HK 348	Q_{max}	**H 1,25**	**H 2,5**	**H 3,6**	**H 6,5**	**Z 2,7**	**Z 4,5**	**Z 6,9**
	p_{max}	700	400	270	150	150	100	70
HK 43, HK 438	Q_{max}	**H 2,08**	**H 2,6**	**H 7,0**	**H 13,1**	**Z 4,5**	**Z 11,3**	**Z 16**
	p_{max}	580	450	170	90	170	110	70
HK 44, HK 448	Q_{max}	**H 2,08**	**H 2,6**	**H 7,0**	**H 13,1**	**Z 4,5**	**Z 11,3**	**Z 16**
	p_{max}	700	550	215	130	170	130	90
Dual circuit pump:								
HK 44, HK 448	Q_{max}	**H 0,9**	**H 1,5**	**H 3,6**	**H 6,5**	**Z 2,7**	**Z 4,5**	**Z 16**
	p_{max}	700	550	350	160	150	150	90
Triple circuit pump:								
HK 44, HK 448	Q_{max}	**H 0,83**	**H 1,6**	**H 2,4**	**H 4,4**			
	p_{max}	700	450	350	130			

[1] The parameter listed here represent only a choice from a variety of possibilities.