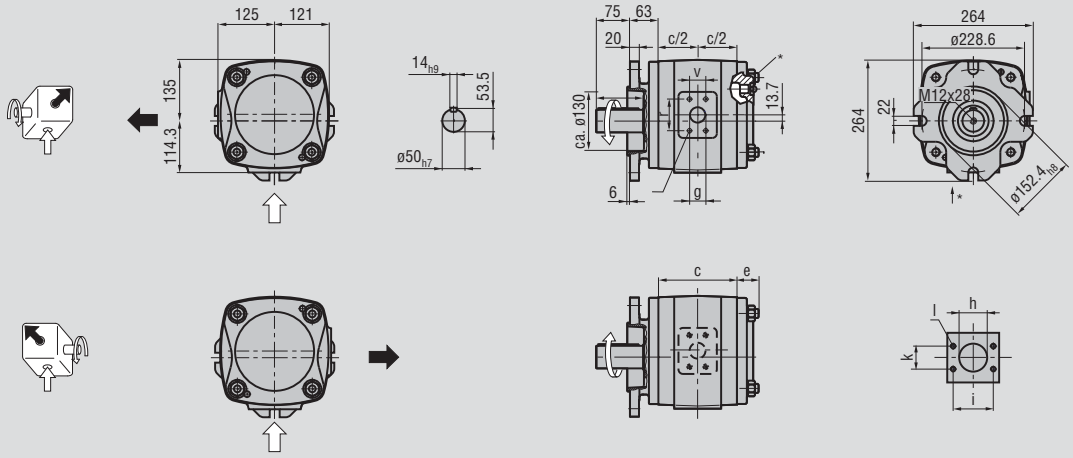
IPV 7

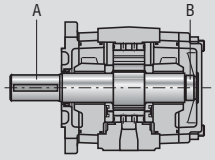
Standard Design

Design and dimensions



* Ensure the M10x1 plug screw, hexagon socket SW5, is tightened to a torque of 10 Nm during pumping operation. Dependent on the pump position, filling or ventilation is possible here prior to commissioning.

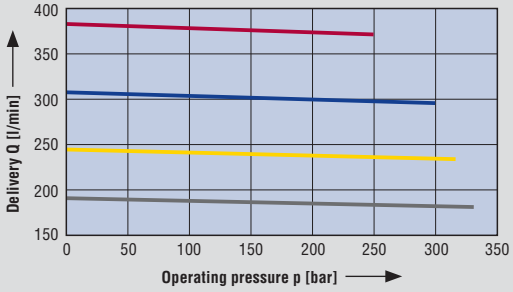
Design	Dimensions											SAE flange no.	
	c	e	g	h	i	k	l	r	v	w	Weight	▲	▼
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	Thread	[mm]	[mm]	Thread	[kg]		
IPV 7 – 125	152	48	30	50	77,8	42,9	M12x20	70	36	M12x20	46,5	14	15
IPV 7 – 160	162	48	30	56	89	50,8	M12x20	70	36	M12x20	50	14	16
IPV 7 – 200	174	46	34	62	89	50,8	M12x20	70	36	M12x20	54	14	16
IPV 7 – 250	188	42	38	72	106,3	62	M16x25	70	36	M12x20	59	14	17



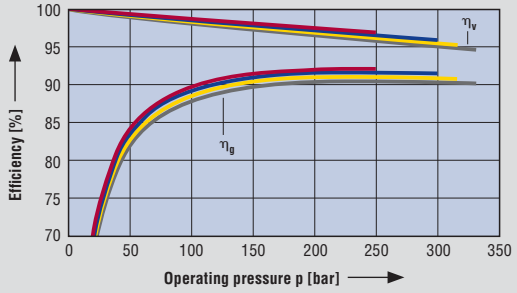
Allowed input torques:

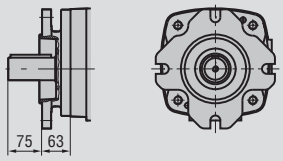
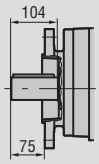
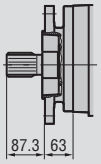
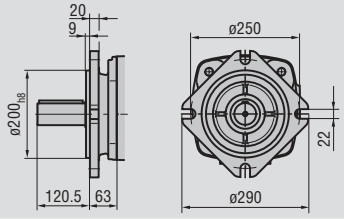
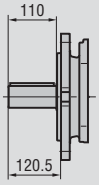
Input shaft A: 1,960 Nm
Secondary shaft B: 1,200 Nm

Delivery Q



Efficiency η_v and η_g

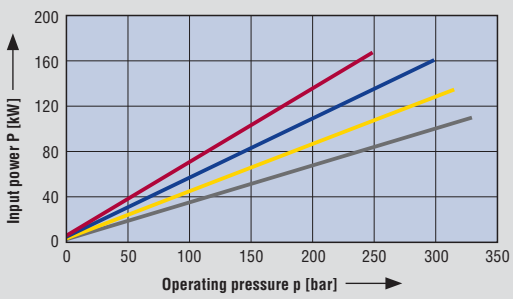


Type	Pump sizes	Rotation, suction connection	Mounting flange	Shaft end
		Standard		
IPV 7	125	Clockwise rotation, radial suction port **1** 	SAE 4-hole flange, dimensions on left **1** 	Parallel shaft with keyway connection, dimensions on left **1** 
	160			
		Variants		
	200	Anti-clockwise rotation, radial suction port **6** 		Involute gearing with SAE 4-hole flange **0** ANSI B92.1a 8/16 DP 30° 
	250		VDMA 4-hole flange **5** 	**1** 

☐ Designation according to type code

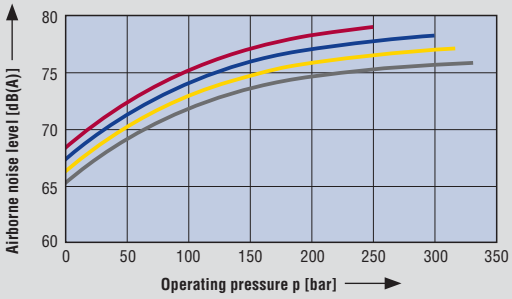
Type code/order designation, see page 17

Input power P



Airborne noise level

Measuring location 1 m axial



Measurement conditions

Speed: 1.500 rpm
Viscosity of pressure fluid: 46 mm^2s^{-1}
Operating temperature: 40 °C

Characteristic curves:

- IPV 7 – 125
- IPV 7 – 160
- IPV 7 – 200
- IPV 7 – 250

Note: Measurement taken in a low-noise room.
In a anechoic room, the measurements are approx. 5 dB(A) lower.