

Axial Piston Hydraulic Motor HMX 25-7

Hydraulic motor of HMX model is an axial piston unit of bent axis type with a light alloy case, designed for hydrostatic systems of mobile machines, e.g. cranes.

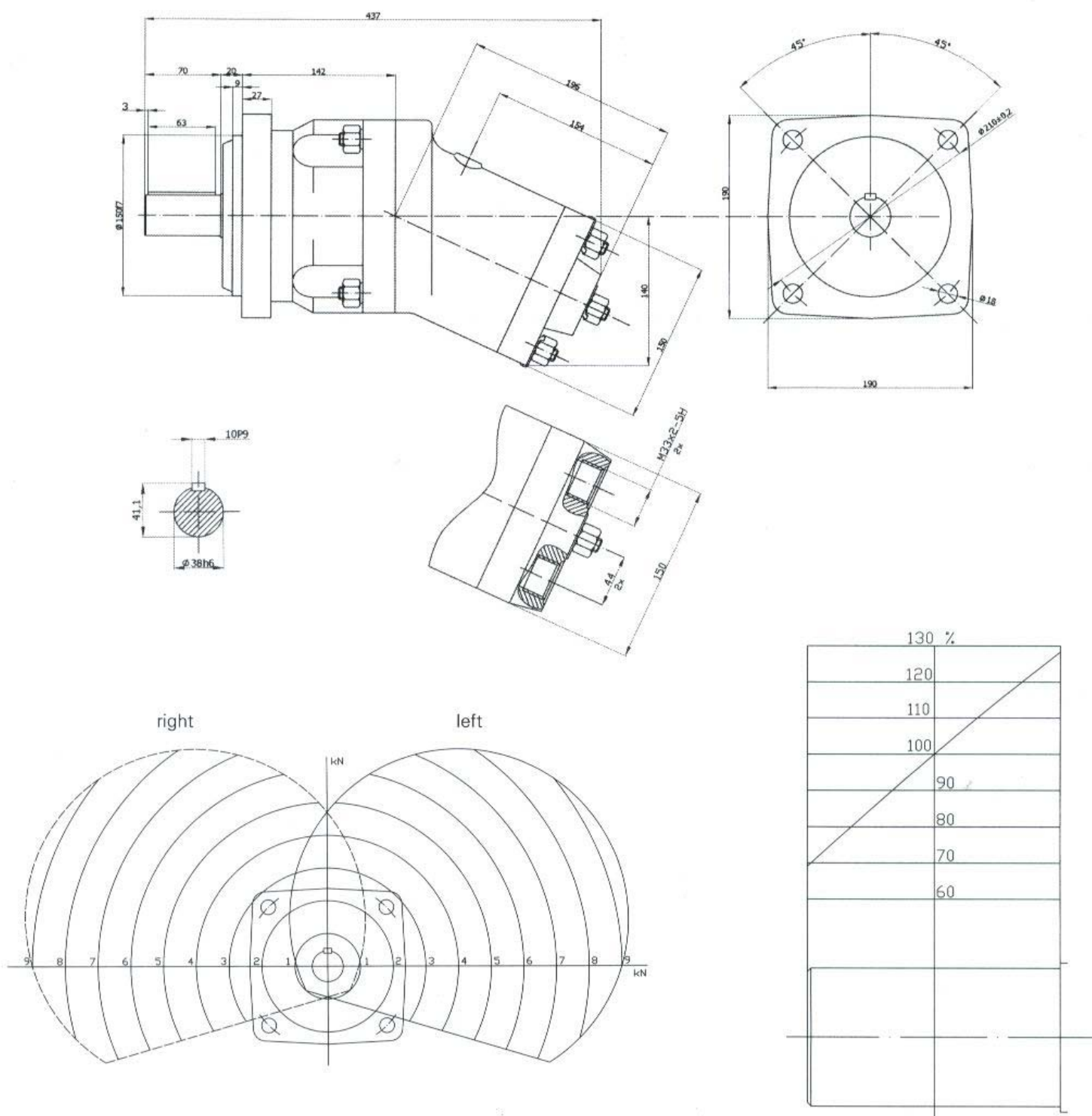
Pressures:

Operating pressure	nominal	20 MPa
	maximum	25 MPa
	peak	28 MPa
The sum of pressures acting in both ports must not exceed		30 MPa
Permissible case pressure	max.	50 kPa

Technical data

Parameter	Unit	Size
Displacement	$\text{m}^3 \cdot 10^6$	105
Specific torque	$\text{Nm} \cdot \text{MPa}^{-1}$	16,7
Moment of inertia		
at drive axis	$\text{kg} \cdot \text{m}^2 \cdot 10^3$	15,8
Speed		
nominal	s^{-1}	25
maximum	s^{-1}	50
Torque		
nominal	Nm	332
maximum	Nm	403
Port dimensions		
pressure	mm	25
leakage	mm	10
Mass	kg	37

Dimensioned sketch



Maximum radial load acting at the half of the shaft end length at pressure of 20 MPa.

Maximum radial load in case of force acting in other position than half of the shaft end length.

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