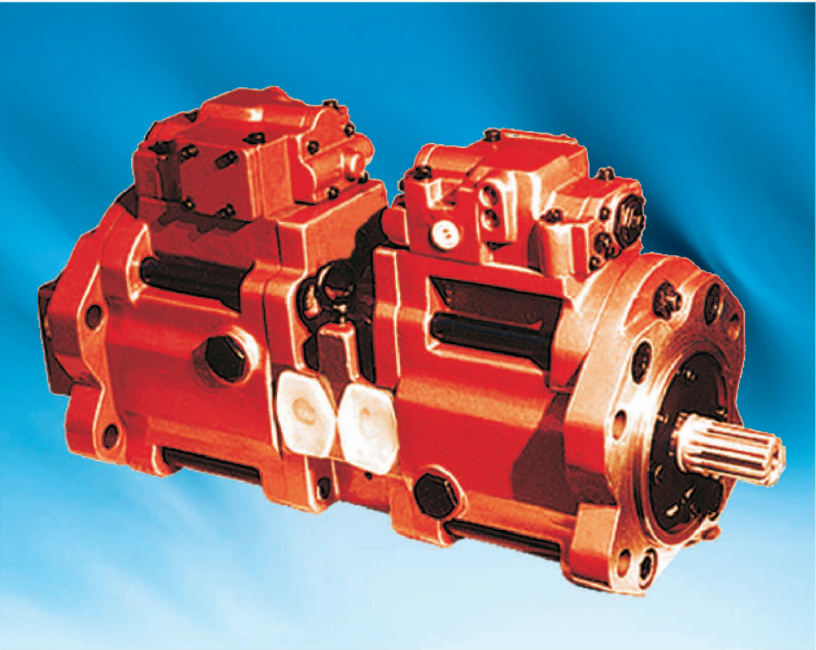


S3V112DT-1X5R-2N09-2

Variable displacement pump



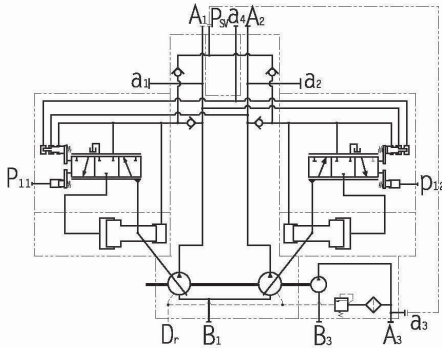
Technical data

	Displacement	112+112ml/r
	Pated pressure	34.3 MPa
	Peak pressure	39.2 MPa
	Pated speed	2360r/min
	speed Max.continuous	2700 r/min
	Rotate direction	right
	working	open circuit
	Control mode	constant power+minus flow
	Oil temperature range	(-20 ~ +80)°C
	Viscosity range	(10 ~ 1000)mm²/s
	Continue operating viscosity	(12 ~ 60)mm²/s
	Optimum operating viscosity	(16 ~ 25)mm²/s
	Weight(approx.)	125kg

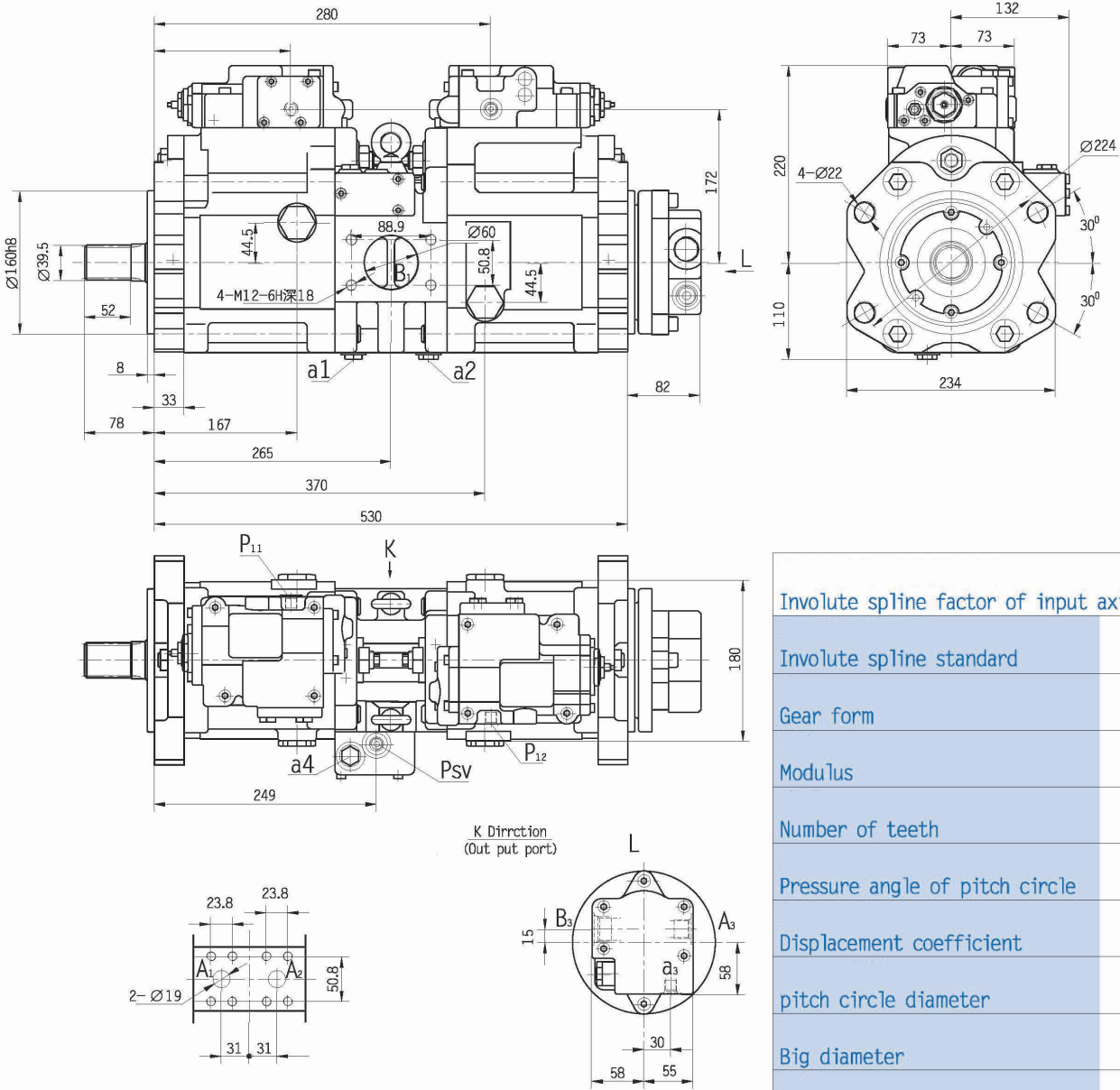
B1、B3 Suction port
A1、A2 Pressure port
Dr Case drain port
P11、P12、Psv Control pressure supply
a1~a4 Gauge ports for pressure

Axial piston swash plate design, variable displacement motor, it is provide with features of compact conformation, high power density, high efficiency, high spontaneous suction, long lifetime, low noise, different control modes and so on, applies to hydraulic system of open circuit, is widely used in different hydraulic excavators.

Hydraulic theory picture



Mounting Dimension



Involute spline factor of input axis

Involute spline standard	JISD2001—1959
Gear form	Short tooth
Modulus	2.5
Number of teeth	14
Pressure angle of pitch circle	20°
Displacement coefficient	0.8
pitch circle diameter	35
Big diameter	39.5
Small diameter	34

Port dimensions

	a	b	c	d	e
R1 12 PSV a1~4	Ø15.6 ^{+0.1} ₀	Ø24	15	2.5 ^{+0.4} ₀	C1/4
A3	Ø22.6 ^{+0.1} ₀	Ø34	19	2.5 ^{+0.4} ₀	G1/2
Dr B3	Ø30.8 ^{+0.1} ₀	Ø45	20	3.5 ^{+0.4} ₀	G3/4