

Hydraulic Pumping Unit

I .Working principle

Hydraulic station produces hydraulic oil with high pressure, drive the hydraulic cylinder operation through the hydraulic pipe line, the piston of hydraulic cylinder carries the downhole sucker rod and the plunger to the reciprocating movement, thus to achieve the oil liquid lifting.

II . Performance Features

- The operating pressure of the hydraulic cylinder is stable and the system equipment has a long service life.
- Small size, light quality, easy moved and installed, esp. suitable for shoal, offshore platform and mountainous area pumping operation.
- Easy to achieve long stroke, low stroke, and stroke, stroke can be steplessly adjusted.
- It has strong adaptability to large loads and can meet the needs of deep wells and heavy oil wells.
- Realize remote transmission and automatic control of oil well data.
- One control more wells, so it achieves to drive more wells on one platform.

III. Specification Parameters

Type	Motor power kw	Max. Stroke m	Max. Stroke frequency /min	Polished rod load KN
YYCYJ-30 (1.2~4.5)	3.75	4.5	4	30
YYCYJ-50 (1.2~4.5)	7.5	4.5	4	50
YYCYJ-80 (1.2~4.5)	15	4.5	3	80
YYCYJ-10 (1.2~4.5)	22	4.5	2	100

IV. The field experiment case

It has been widely used in Shanxi coalbed methane, Xinjiang oilfield, Jilin oilfield

and Yanchang oilfield.



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