September, 2024

DRIVE UNIT ZN2P SMWH 1,5/70

Device description:

Drive unit (motor with brake) ZN2P SMWH 1,5/70 is a combination of hydraulic motor type SMW 1,5/70 with multi-plate brake. The hydraulic motor is characterized by a special design for operation on emulsion power used in underground hydraulics in mining. It can also operate on hydraulic oils. The ZN2P SMWH 1,5/70 drive unit is a slow-speed, high-torque device equipped with a brake system that operates automatically when the power is turned off.

Application of the equipment:

In transport and assembly systems with low movement speeds and high forces (torques). The design is adapted to work with the drive of scraper conveyors in the mining industry with the purpose of loosening chains during their length correction.

MANUFACTURE AND SERVICE

Grupa SM Hydro
ul. Karolinki 10B, 40-467 Katowice
tel.: +48 (32) 353 03 75
e-mail: biuro@smhydro.com.pl
www.smhydro.com.pl

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All SMW-type motors are suitable for operation on HFA water-oil emulsion. They can also be operated with hydraulic and also vegetable oils.

Technical characteristics of motor with brake (drive unit) ZN2P SMWH 1,5/70:

Motor type		**SMWH 1,5/70**
Nominal torque	Nm	1160
Braking torque	Nm	ok. 1300
Nominal supply pressure *	MPa	22
Maximum pressure at the outflow	MPa	2
Geometric displacement	cm^3/rev	365
Rotational speed range	rev/min	2÷400
Feed liquid	-	low-percentage water-oil emulsion HFA, hydraulic oil
Filtration required	µm	100
Total device weight	kg	68

* When fed with low-percentage HFA emulsion, continuous operation at pressures higher than nominal will result in accelerated wear of the toothed working mechanism of the motor. Pressures higher than nominal in continuous operation are recommended only when fed with hydraulic oils.

SMWH type hydraulic satellite motors can operate in potentially explosive atmosphere

CE Ex I M2

Detailed information on motors range can be found at www.smhydro.com.pl

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