



7.11

WINTER SNOW PLOW ZPW

ZPW plow



ZPW plow is a snow blower hinged on a three-point hitch of tractors and has been designed for a maintenance of roads of a width up to 2,6 m during winter season. Thanks to a built-in hydraulic system and specially formed rotor the device shreds accumulated snow and a swivel chute allows for adjustment of the direction and distance of throwing snow. The device is hinged on and powered from standard tractors with power rating of minimum 110 HP.

The plow should not work in frozen or very wet and heavy snow. In such situation a hydraulic protection of the feeders may be executed and work of the plow will be stopped.

TECHNICAL PARAMETERS

Parameter	Value
Length	1660 mm
Width	2600 mm
Height: - maximum - without chute	2120 mm 1015 mm
Weight	1080 kg
Attendance	1 person
Tractor's power	110 KM
PTO shaft's revolutions	1000 rpm
Number of worm shafts	2 pcs
Diameter of worm shafts	810 mm
Revolutions of worm shafts	200 do 360 rpm
Rotors' drive	Hydraulic
Pressure in hydraulic system	16,0 MPa
Required flow in hydraulic system: minimum maximum	Approximately 50 dm ³ /min Approximately 90 dm ³ /min
Number of chute rotors	1 pc
Rotor's diameter	706 mm
Rotor's revolutions	1000 rpm
Rotor's powered by	PTO shaft
Working width	2300 mm
Working speed	1,0 to 10,0 km/h

The rotor is powered from tractor's PTO and feeders are powered from tractor's hydraulic output. The ZPW plow can be hinged on both front or rear three point-hitch based on tractor's traction capabilities and tractor's drive.