

## DM14 Grader



Grader DM14 medium class is designed for blading and leveling of road base surface and embankment area, scraping of slopes, moving of soil and gravel. It is used for road, railway, airport, hydrotechnic building when it is necessary to clean roads and sites from snow, and to molder soil and remove worn-out road layers.

- ✓ **New construction design!**
- ✓ **World technologies, specially adapted for extreme weather conditions!**
- ✓ **Reliable Russian and foreign parts, well known on the world market!**
- ✓ **Beneficial terms of warranty!**

### Advantages:

#### Operation convenience

- Anti-skid mechanism
- Fast and easy speed switch is produced by hydro mechanical transmission
- Swivel joint is for turning radius reduction
- Brake system is strengthened with hydraulic power
- Front blade is in basic set

#### Basic components:

- Engine YAMZ-236M2 (Russia) or «Cummins» 6BTA5.9 (on request)
- Hydraulic pumps Rexroth
- Hydromechanic transmission YD13 (under the license of ZF (Germany)
- Block of distribution valves HUSCO

#### Ergonomic and safe working place

- New ergonomic cabin design
- High quality shock-absorbers
- Ergonomic configuration of control dashboard

#### Service and maintenance

- Convenient access to service points
- Alligator-type bonnet

#### Additional equipment

- Condition system
- Side blade ( is used for snow cleaning over beam guards)
- Scarifier ( is used for soil ripping)
- Superset of spare parts and accessories



## Technical data:

Frame type	Swivel joint
Constructive/Operating weight, ton (without bulldozer blade)	14,8
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Wheel arrangement	1x2x3
Engine	Diesel
Type	YAMZ-236M2-60
Engine power, кВт (л.с.)	132,0 (180,0)
Amount of engine cylinders	6
Cylinders scheme	V-type
Maximum engine torque, Nm (kgf m)	667 (68)
Maximum rotation frequency, rpm	2100
Dimensions without bulldozer blade (length - width - height), mm	8650-2500-3450
Dimensions with bulldozer blade (length - width - height), mm	9250-2500-3450
Grader base (dimension between front and rear axles), mm	6220
Operating speed, km/h	
Forward drive	
1 speed	4,9
2 speed	7,6
3 speed	12,3
4 speed	18,5
5 speed	26,8
6 speed	35,1
Reverse drive	
1 speed	4,9
2 speed	12,3
3 speed	26,8
Transmission	Hydromechanic
Operation brake	Drum type on all driving wheels
Turning radius, mm	7800
Articulation angle, degree	±25
Dimension between wheels of rear axle, mm	1538
Inclination/turning angle of front wheels, degree	±17/±45
Tyre size	14,00-24
<b>Grader blade</b>	
Length / height of middle blade, mm	3660 / 610
Descending of the blade lower than ground area, mm	500
Maximum angle of cutoff, degree	90
Back-off angle, degree	360
Blade side shift, mm	800
<b>Bulldozer blade (front):</b>	
Length / height, mm	2500 / 900