



**MINING GROUND
LOCOMOTIVES
DLP140F and DLP140F13t**

KL-DLP140F-EN

Version: Valid from:

4

29.12.2010

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Description:

Mining ground locomotives of the type DLP140F and DLP140F13t they are intended for the transport of material or workers into the horizontal productions with the rail way with the wheel track of 550-900mm with max. dip of the way of 35 %.

Locomotives they are permitted to exploit in surrounding dangerous on the explosion of methane and carbon dust to the degree SNM 2 on § 232 About. ČBÚ No. 22/1989 SV in the editorial staff of sequential orders. In the correspondence with the order of the government of No.NV 23/2003 (directive of the European Parliament and council EU No. 94/9/EC) device is included in the group „I“ and the category M2. Locomotives satisfies the requirements NV 176/2008 (directive of the European Parliament and council EU No. 2006/42/EC).

For facilitating the transport into the mine the locomotive is dismantled to three basic parts. Control of locomotive is carried out from the cabs, equipped by the elements of control, monitoring and safety, including sensor of methane, and also by the instruments, intended for safe control of locomotive. The performance of cab guarantees a good view of way and reliable protection from the injury and the unfavorable external influences to the service personnel. Locomotives are equipped with the six-cylinder electronically controlled Diesel engine of the type John Deere 6068F with the hydrostatic transfer.

Engine is processed for the operation in mining conditions with the protection of the suction and exhaust outlines, which prevents to the initiation of the explosion of methane and its transfer into the unprotected atmosphere. Exhaust gases are cooled in the special exhaust conditioner so that their output temperature would not exceed 70°C. Initiation of engine is carried out by the hydrostarter. The transfer of power on the axle of the wheels of movement carries out the hydraulic composition of transfer with the automatic adjustment of power through the mutually connected mechanical reducers, placed on the axes.

Hydrostatic transfer is provide ford with the system of the direct adjustment of the hydraulic engine, which ensures the adjustment of power in optimum operating conditions and depending on frequency and pressures in the hydro-outline limits the random overload of hydraulic engine. Electronic and monitoring system follow operating conditions of locomotive, speed, worked out motor hours, values of pressure and temperature of diesel- hydraulic aggregate, concentration of methane, defects and etc. With the exceeding the specific values or emergency automatically is included whistle and occurs engine cutoff and the stoppage of locomotive.

Locomotives are permitted to use as the source of pressure for the connection of additional hydraulics (for example. the hydraulic drill presses, manual stop hammer and the others.).



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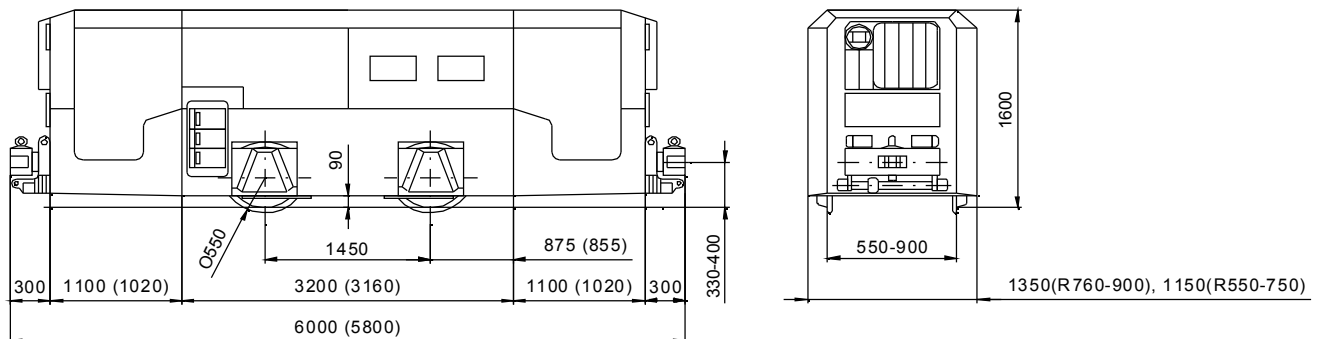
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Technical parameters:

	<i>DLP140F</i>	<i>DLP140F13t</i>
Type of the diesel engine:		John Deere 6068F
Max. the power of the engine:		104 kW
Max. engine speeds:		2000 min ⁻¹
Max. torque moment:		596 Nm with 1400/min
Max. traction:	40 kN ± 5 %	35 kN ± 5 %
Max. speed:		18 km/hour ± 5 %
Max. pressure in the hydro-outline:	32 MPa	40 MPa
Engine cooling :		the water forced
Lubrication of the engine:		pressure
Volume of cooling system :		58 l
Volume of the fuel tank		145 l
Control of the injecting pump:		electronic
Control of the direction:		electrohydraulic
Brake control :		hydraulic
The overall length of the locomotive:	6000 mm	5800 mm
Length of the motor part:	3200 mm	3160 mm
Width of the locomotive:	1150-1350 mm (on the wheel track)	
Height of the locomotive:	1600 mm	
Axle base:	1450 mm	
Wheel track :	550, 600, 620, 750, 900 mm	550, 600, 750, 900 mm
	(another width in the limits of 550-900 mm only on the special order)	
Overall mass of the locomotive:	15 500 ± 5% kg	13 000 ± 5% kg
Min. curve radius :	12 m	
Max. dipe of the way:	35‰	

Dimensional drawing:



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Order:

In the order it is necessary to indicate type by you the required machine, order number on the indicated ordering key, quantity of pieces, required quantity of pieces of accompanying documentation (operating instructions , catalog of spare parts and etc. - we usually supply 2 complete sets of this documentation) and specific requirements (for example documentation in electronic form, alternative wheel truck etc.).

Order key:

TYPE	WHEEL TRACK (mm)	FRAME WIDTH (mm)	WEIGHT (t)	ORDER NUMBER
DLP140F	550	1150	15,5	103-00-00000-9-94
DLP140F	600	1150	15,5	103-00-00000-9-24
DLP140F13t	550	1150	13	103-00-00000-9-84
DLP140F13t	600	1150	13	103-00-00000-9-54
DLP140F	620	1150	15,5	103-00-00000-9-34
DLP140F	750	1150	15,5	103-00-00000-9-64
DLP140F13t	750	1150	13	103-00-00000-9-74
DLP140F13t	900	1300	13	103-00-00000-9-44
DLP140F	900	1300	15,5	103-00-00000-9-14
DLP140F	900	1350	15,5	103-00-00000-9-04

ATTENTION! Another wheel track in the limits of 600-900[mm] only on the special order, custom-made number will be is determined on the base of solid order and the delivery time of this type of locomotive specific!

Example of the order:

Order of 1 piece of a mining ground locomotive of the type DLP140F with the wheel track of 900mm and frame width of 1350 mm with the delivery of 3 complete sets of accompanying documentation.

TYPE	ORDER NUMBER	QUANTITY PIECES	ACCOMPANYING DOCUMENTATION	SPECIFIC REQUIREMENTS
DLP140F	103-00-00000-9-04	1	3 COMPLETE SET	

Delivery terms: 20 weeks from the date of obtaining the solid order

Custom classification: 8602 90 00



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