



# ELECTROHYDRAULIC POWER UNIT EHT180

KL-EHT180-EN

Version	Valid from
0	1.3.2008

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## Description:

Electrohydraulic power unit type EHT180 is tractive means determined for move running set on tracks of land rack-rail in horizontal plane or in cant to 35 degree.

Electrohydraulic power unit type EHT180 may be used in surroundings with danger of methane and carbon dust explosion according EN 1127-2. Is engineered according to direction EC 94/9 ATEX for group I category M2.

Electrohydraulic power unit type EHT180 is tractive means determined for transport heavy loads and materials on limited distance on traffic ways in underground mining components to cant to 35 degree. The load transports on land rack-rail railway, which is composed of railway segment. In the middle of each segment is burned geared rack, which serves for transmission of traction power from traction means. Set for transport usually consists of propulsive section, power section, safety fiction brake. Individual parts of set are connected by connecting draw bar and by additional safety steel cables. Movement power unit asserts wheel by means of planetary gearbox or hydraulic motor Poclairn MS18 (MSE18), which are placed in propulsive unit.

## Technical parameters:

### Railway parameters:

Longitudinal dip of railway	$\pm 35^{\circ}$
Lateral dip of railway	$\pm 10^{\circ}$
Width of railway	600/900mm
Length of direct section	2000 mm
Railway curvature in horizontal arch	min. 4000 mm
Minimum radius of railway in vertical arch	22 000 mm



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**Tractive values:**

Power unit with hydraulic motors Poclairn MS18	2 hydraulic motors	4 hydraulic motors
Max. traction power	110 kN	220 kN
Max. driving speed	1,6 m/s	0,8 m/s
Towing unit with hydraulic motors Poclairn MSE18	2 hydraulic motors	4 hydraulic motors
Max. traction power	140 kN	280 kN
Max. driving speed	1,5 m/s	0,75 m/s
Propulsive unit with planetary gearbox	1 hydraulic motor	2 hydraulic motors
Max. traction power	180 kN	360 kN
Max. driving speed	1,67 m/s	1,67 m/s

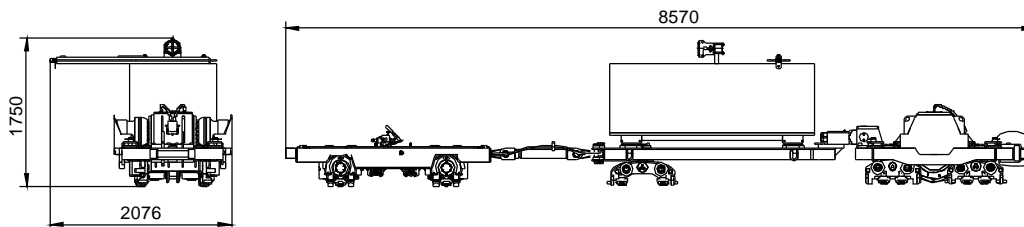
**Main size and weight of tractor set:**

<b>Length:</b>	
- total with planetary gearbox	9 000 mm
- total with Poclairn	8 570 mm
- driving unit with planetary gearbox	2 480 mm
- driving unit with Poclairn	2 045 mm
- engine parts	3 185 mm
- braking truck	2 220 mm
<b>High:</b>	
- total	1 750 mm
- to the rail	1 640 mm
<b>Width – total</b>	2 076 mm
<b>Expeditionary weight:</b>	
- with planetary gearbox	10 000 kg
- with Poclairn	9 000 kg

**Certificate EC : 1019-069/Z/2006**

**Dimensional drawing:**

*Electrohydraulic power unit with hydraulic motor Poclairn*



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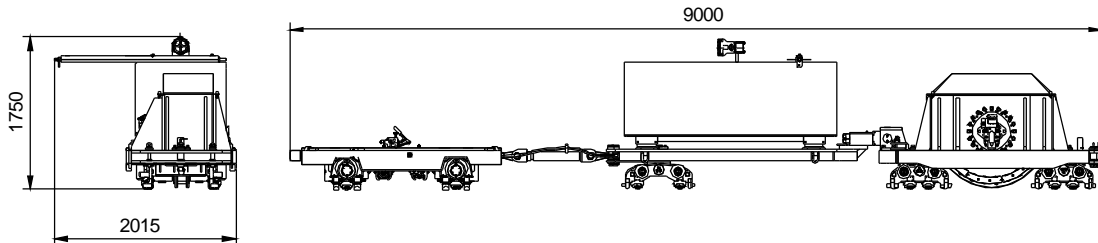
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*Electrohydraulic power unit with planetary gearbox*



### Ordering:

In the order please state the type of the arrangement you ask for, supply number according to ordering key, number of units, specific requirements (different length design, different colour of paint tec.), number of asked sets accompanying documentation (Direction for use, etc. – usually we enclose 2 sets of this documentation)

### Ordering key :

SUPPLY NUMBER	TYPE OF DRIVE
561-00-00000-9-04	hydraulic motor Poclairn MS18
561-00-00000-9-14	hydraulic motor Poclairn MSE18
561-00-00000-9-24	planetary gearbox

### Example of ordering:

An order of 1 electrohydraulic power unit type EHT180 with drive hydraulic motor Poclairn MSE18 with a delivery 3 sets of accompanying document

MACHINE TYPE	SUPPLY NUMBER	ITEMS NUMBER	ACCOMPANYING DOCUMENTATION	SPECIFIC REQUIREMENTS
EHT180	561-00-00000-9-14	1	3 SETS	

**Delivery date:** 27 weeks from confirmation the definite order

**Customs classification:** 8602 90 00 00



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