

TTV120

FAST AND SAFE TRANSPORT OF HEAVY EQUIPMENT



Herrenknecht Tracked Transport Vehicle TTV120

- › Improved working conditions and reduced risk exposure due to remote-controlled operation and innovative safety features
- › The customized carrier platform provides high load capacity and a large degree of flexibility
- › Compact, reliable, and efficient hydraulic drive powered by latest diesel engine generation
- › Independently carry out loading operations and adjust the height of its carrier platform to the docks

**PIONEERING
UNDERGROUND
TECHNOLOGIES**



Herrenknecht Tracked Transport Vehicle TTV120

Technical specifications

The **Tracked Transport Vehicle** developed by Herrenknecht is designed for the fast and safe transport of heavy equipment in underground drifts. It carries loads up to 60 tonnes and adjusts the height of its carrier platform for loading and unloading. All functions are remotely controlled providing enhanced level of safety during operations.



Operation realized via remote control.



Loading or unloading height up to 2 m.



Unloading with conventional equipment.

TTV120

Dimensions

- › Vehicle (l/w/h): 8.3m/4.1m/3.6m (27.23ft/13.45ft/11.81ft)
- › Platform (l/w): 6m/2.7m (19.69ft/8.86ft)

Weight

- › Dead: 58,000kg (127,868.11lb)
- › Gross: 120,000kg (264,554.7lb)

- › Payload: 60,000kg (132,277.36lb)
- › Max. downward/upward gradient (loaded): 20%
- › Max. speed loaded at 20% gradient: 2km/h
- › Max. speed loaded: 3km/h

CARRIAGE

- › Number of carriages: 2
- › Track shoe width: 600mm (1.97ft)
- › Max. ground pressure (loaded): 0.20MPa (29.01psi)
- › Drive type: hydraulic

BRAKE SYSTEM

- › Number of brakes: 2
- › Stopping distance (fully loaded on max. down gradient): 500mm (1.64ft)

Parking brake designed to hold continuously the fully loaded TTV on 20% gradient.

JACK CYLINDER – SHORT (STANDARD)

- › Number of jacks: 4
- › Stroke: 840mm (2.76ft)
- › Operating pressure: 110bar (1,595psi)
- › Operating force: 540kN
- › Jacking speed with 60t payload: 550mm/min (1.80ft/min)

JACK CYLINDER – LONG (OPTIONAL)

- › Number of jacks: 4
- › Stroke: 2,400mm (7.87ft)
- › Operating pressure: 110bar (1,595psi)
- › Operating force: 540kN
- › Jacking speed with 60t payload: 550mm/min (1.80ft/min)

FRONT BUMPER CYLINDER

- › Number of cylinders: 2
- › Stroke: 385mm (1.26ft)
- › Operating pressure: 210bar (3,045psi)
- › Operating force: 105kN

WINCH UNIT

- › Number of winches: 2
- › Drive type: hydraulic
- › Pull capacity: 5.4t (11,904lb)
- › Rope length: 25m (82.02ft)
- › Rope type: steel

POWER PACK

- › Drive type: Diesel hydraulic
- › Diesel engine power: 328kW
- › Engine brand: Caterpillar
- › Fuel tank capacity: 500l (132.10gal)
- › Hydraulic tank capacity: 900l (237.75gal)

Compact and optimized integration of all components ensuring easy access for service. Noise protection by fully enclosed system.

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