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NOTES

SPECIFICATION FOR 4-POINT SYSTEM

• Safe working load (SWL)
  Stage 1 = 400 tonnes @ 83 bar
  Stage 2 = 400 tonnes @ 120 bar
  Stage 3 = 276 tonnes @ 120 bar
  Test load = 1.25 x SWL at each stage
• Maximum dynamic lateral load = 5% of vertical load
• Maximum dynamic wheel load = 454 kN
• Lifting speed = 0.5 m/minute constant for all ram stages
• Lowering speed = 0.5 m/minute constant for all ram stages
• Movement speed = 3.0 m/minute
• Power supply = 380-440V, 50-60 Hz, 3 phase + earth.
• Maximum power consumption = 4 x 11 kW
• Operating temperature = -20 to +45°C
• Control system = central wireless control console plus local pendant controller to each DL-TLG100 unit
• Maximum head beam slope = ±1% in normal operating conditions

MAIN FEATURES

• 100 TONNES LIFTING CAPACITY PER UNIT, 400 TONNES TOTAL
• ALL COMPONENTS SUITABLE FOR TRANSPORT IN STANDARD SHIPPING CONTAINERS
• ADJUSTABLE TRACK WIDTH FOR INCREASED STABILITY
• CENTRAL WIRELESS CONTROL WITH MANY SAFETY FEATURES
• ACCURATE ADJUSTMENT OF THE LOAD POSITION TO ±1 MM IN ALL DIRECTIONS
• MANY UNIQUE SAFETY FEATURES
• THE TRACKS CAN BE AT DIFFERENT LEVELS

MAIN FEATURES

2 No. DL-TLG100-T100 POWERED TROLLEYS WITH CHAIN DRIVE FOR SECURE LATERAL MOVEMENT SAFE WORKING LOAD 100 TONNES PER UNIT (SEE DRG: DLC-TLG100-004)

4 No. DL-TLG100 GANTRY SAFE WORKING LOAD 100 TONNES PER UNIT (SEE DRG: DLC-TLG100-002)

DL-TLG100-HB 11.8
11.8m HEAD BEAM FOR TRACK BEAM CENTRE UP TO 11.3m (SEE DRG: DLC-TLG100-003)

DL-TLG100-R5.8
MODULAR LAUNCHING RAIL BOTH FOR 1m/1.7m WHEEL CENTRE IN 5.8m LENGTH (SEE DRG: DLC-TLG100-005)

DL-P40 WIRELESS CONTROLLER SYSTEM
**DIMENSIONS FOR TRANSPORT**

**STAGE 0**
Capacity: 100 Tonnes (each unit)
Max % Tipping = 64%

**STAGE 1**
Capacity: 100 Tonnes (each unit)
Max % Tipping = 64%

**STAGE 2**
Capacity: 100 Tonnes (each unit)
Max % Tipping = 51%

**STAGE 3**
Capacity: 69 Tonnes (each unit)
Max % Tipping = 65%

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**NOTES**

SPECIFICATION FOR UNIT

- Safe working load (SWL) at each stage:
  - Stage 1 = 100 tonnes @ 83 bar
  - Stage 2 = 100 tonnes @ 120 bar
  - Stage 3 = 69 tonnes @ 120 bar
  - Test load = 1.25 x SWL at each stage

- Maximum dynamic lateral load = 5% of vertical load
- Maximum track slope in any direction = 1%
- The maximum % tipping figures shown are for a 5% side load at the top of the header beam and a 1% slope in any direction of the track.

- Maximum dynamic wheel load = 454 kN
- Lifting speed = 0.5 m/minute constant for all ram stages
- Lowering speed = 0.5 m/minute constant for all ram stages
- Movement speed = 3.0 m/minute
- Power supply = 380-440V, 50-60 Hz, 3 phase + earth.
- Maximum power consumption = 11 kW per unit.
- Control system = central wireless control console plus local pendant controller to each DL-TLG100 unit
- Operating temperature = -20 to +45 °C
- Oil tank size = 2 x 350L = 700L
- Operating weight (inc oil) = Aprr. 6943 kg / 7346 kg

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**BASE RETRACTED STATES IS SHOWN**
1. The standard head beam length is 11.8m long to fit into a standard 40ft container. For up to 11.3m track centre.

2. Other non-standard lengths are also available on request.
Details of DL-TLG100-T100 Powered Trolley

1. SWL=100 tonnes
2. Self-weight per unit (inc shackle): 2030 kg

STEEL GRADE: 42CrMo+QT

- 24A-3 ROLLER CHAIN
- Roller Gear Reducer
- Chain Sprocket Assembly
- 3kW Electric Motor
- Shackle (100t)

Project: DL-TLG100
Telecopic Lifting Gantry

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NOTES
1. SWL=100 tonnes
2. Self-weight per unit (inc shackle): 2030 kg
Standard track lengths are 5.8 m and 2.9 m long, with the option of 1 m or 1.7 m track centres.

**SELF WEIGHT:**
- 5.8 m long x 1.7 m centre width: 1269 kg
- 5.8 m long x 1.0 m centre width: 1198 kg
- 2.9 m long x 1.7 m centre width: 639 kg
- 2.9 m long x 1.0 m centre width: 605 kg

**TRACK ASSEMBLY REQUIREMENT:**
- Max longitudinal slope: 1%
- Max transverse slope: 1%
- Max junction gap: 5mm
- Max junction height difference: 1mm

**BEARING CONDITION:**
- Max bearing pad load = 454 kN
- Ground bearing pressure ≈ 5.0 MPa

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NOTES

Standard track sections are 2.9 m and 5.8 m long.

**STANDARD 5.8m LONG TRACK (1.0m WIDTH SHOWN)**

**STANDARD 2.9m LONG TRACK (1.7m WIDTH SHOWN)**

This drawing is for reference only and not for construction purposes.