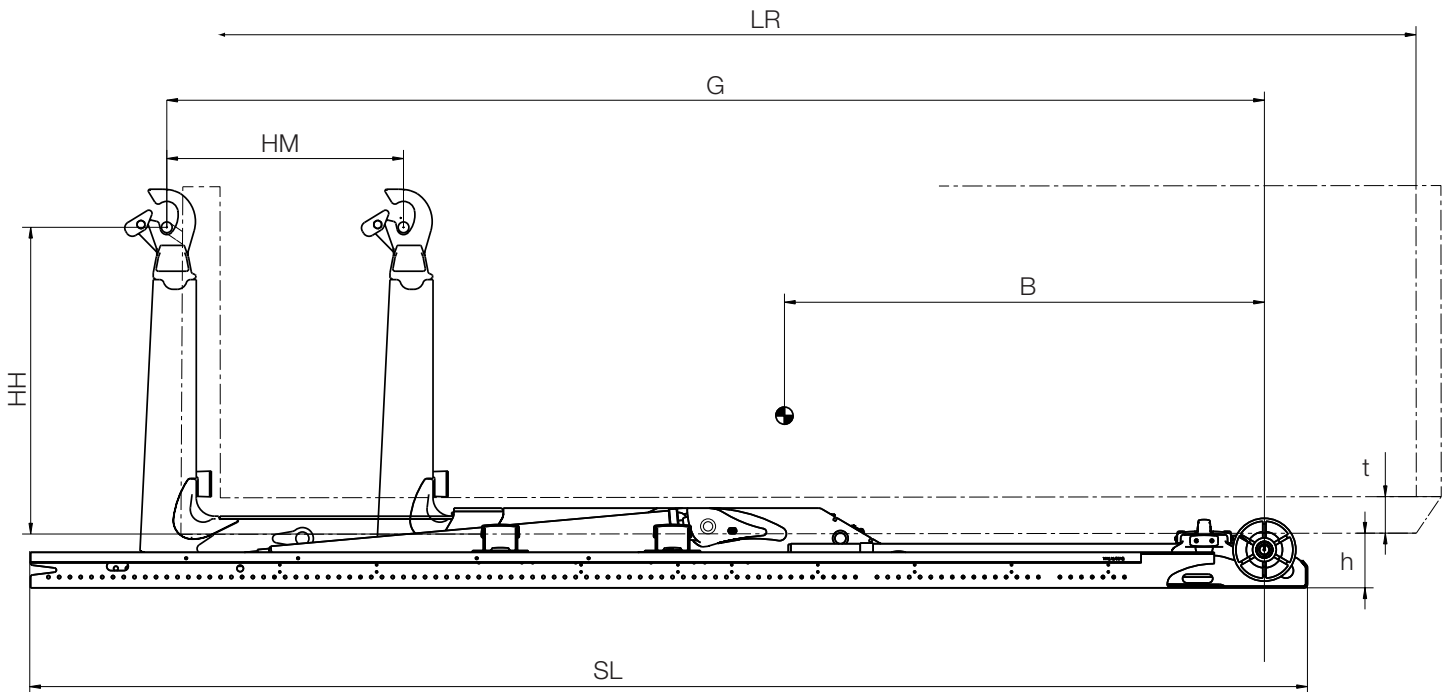


MULTILIFT OPTIMA 20S

CAPACITY 20 t



Technical data

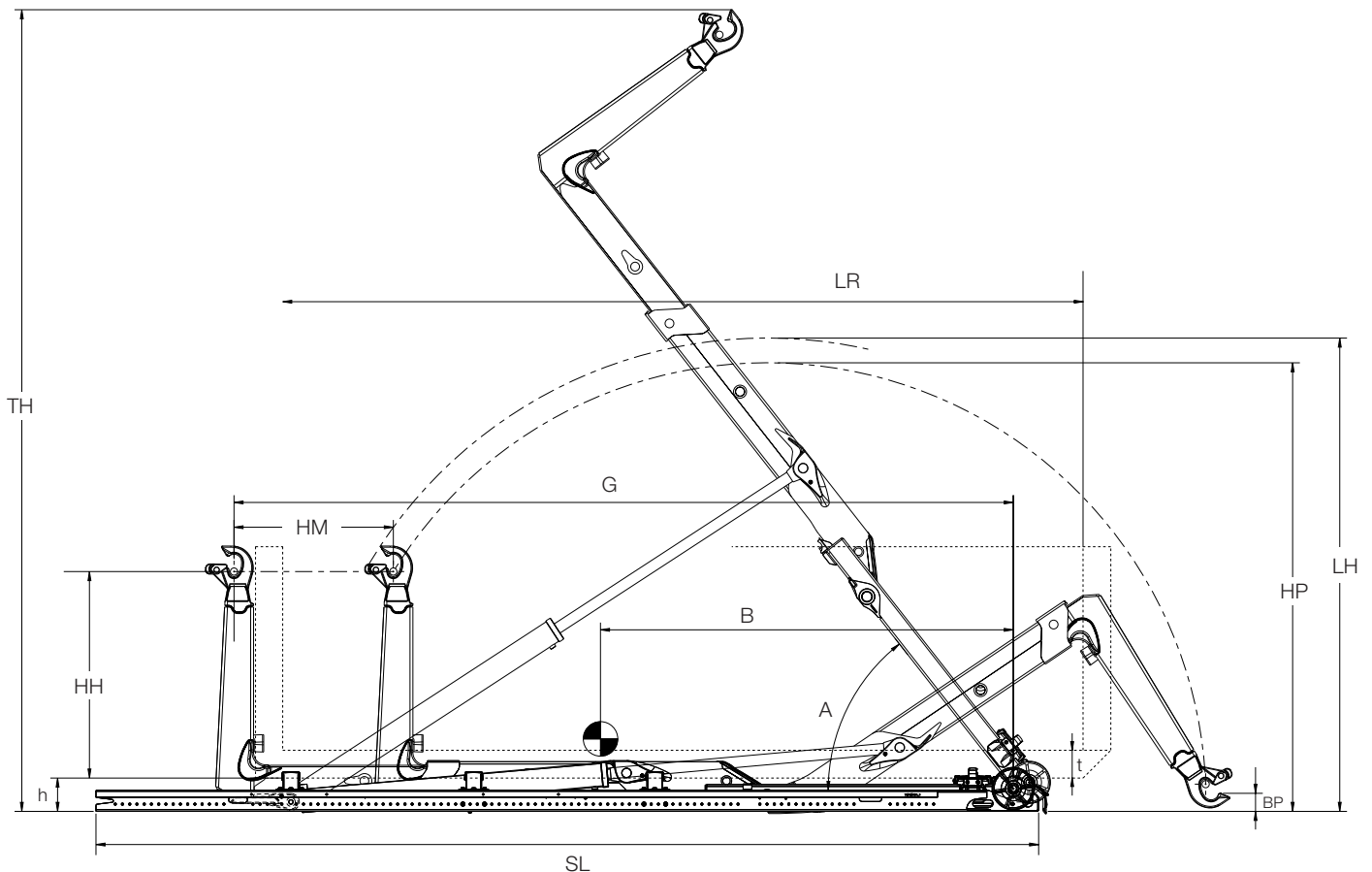
| Model | OPTIMA 20S 46 | OPTIMA 20S 51 | OPTIMA 20S 53 | OPTIMA 20S 56 | OPTIMA 20S 59 |
|---|---------------------|------------------|------------------|------------------|------------------|
| Vehicle type | 3 axle | | | | |
| GVW of the vehicle (t) | 26 | | | | |
| Capacity (t) | 20 | | | | |
| G-length | 46 | 51 | 53 | 56 | 59 |
| System weight (kg) | 1775 | 1855 | 1945 | 1965 | 1995 |
| Tipping angle (°) | 50 | 49 | 52 | 52 | 53 |
| LR = Body length (min – max) internal (m) | 4.0 – 5.6 | 4.3 – 6.1 | 4.5 – 6.4 | 4.5 – 6.6 | 4.7 – 7.0 |
| SL = Subframe length (mm) ** | 5308 | 5758 | 6508 | 6508 | 6508 |
| B = Centre of gravity (mm) | 2450 | 2700 | 2850 | 2950 | 3000 |
| G = Exact G-length (mm)* | 4580 | 5080 | 5360 | 5560 | 5860 |
| HM = Horizontal movement (mm) | 900 | 1100 | 1100 | 1300 | 1450 |
| TH = Hooklift tipping height (max) (mm) | 4952 | 5292 | 5609 | 5767 | 6036 |
| LH = Hooklift loading/unloading height (max) (mm) | 3053 | 3107 | 3329 | 3329 | 3452 |
| HP = Hook bar position (max) (mm) | 2875 | 2930 | 3158 | 3158 | 3283 |
| BP = Body pickup height offset (HH1450mm) ** | +25 | +13 | +90 | +90 | +140 |
| BP = Body pickup height offset (HH1570mm) ** | -72 | -84 | -10 | -9 | +35 |
| h = Installation height (mm) | 230/250*** | | | | 250*** |
| t = Min. Free tunnel height (body) (mm) | 125/105*** | | | | |
| HH = Hook height (mm) | 1400/1425/1450/1570 | | | | |
| BW = Body width | 1070 | | | | |
| Max. operating pressure (MPa) | 31.5 | | | | |
| Recommended oil flow (l/min) | 80 | | | | |

* Exact G-Length can be +20mm/-40mm from dimension in the table depending on the hook height and body standard

** Body pickup height offset is calculated from the final chassis height that the hooklift subframe is mounted to the truck.

Note! Any additional subframe added to the truck's chassis must also be calculated."

*** Installation height and corresponding free tunnel height depends on country and body standard



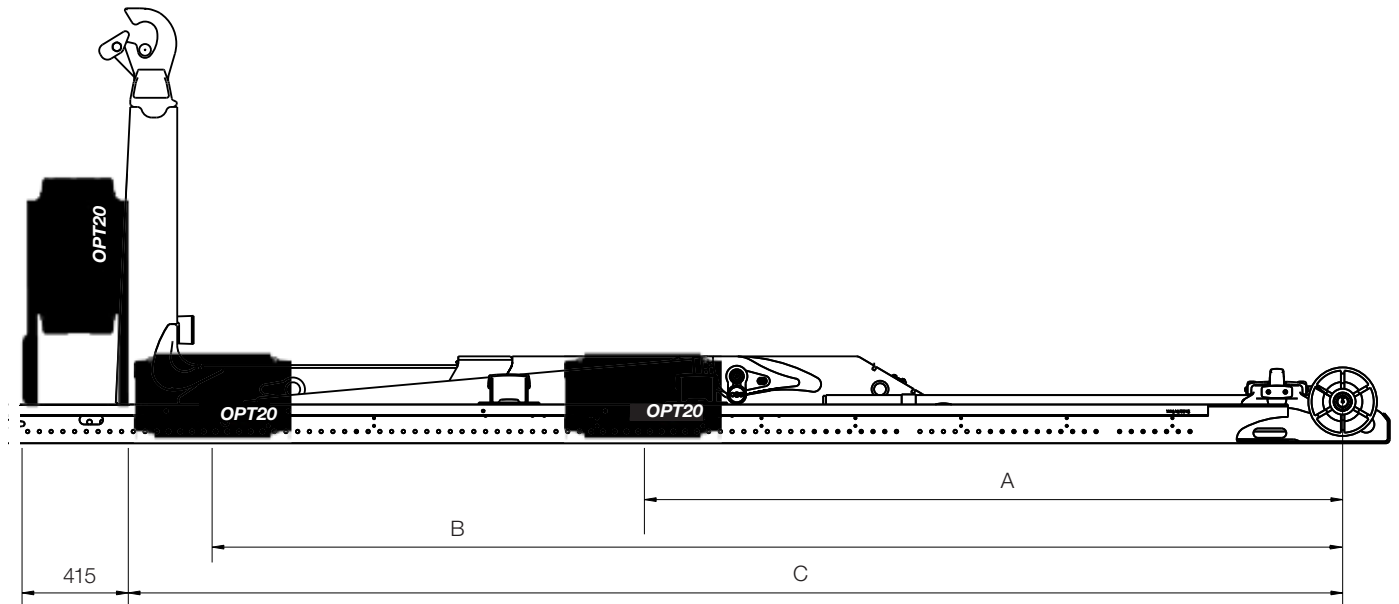
Position of control valve

| Model | OPTIMA 20S 46 | OPTIMA 20S 51 | OPTIMA 20S 53 | OPTIMA 20S 56 | OPTIMA 20S 59 |
|---------------------|------------------|------------------|------------------|------------------|------------------|
| A – middle | 3400 | 3400 | 3400 | 3400 | 3400 |
| B – front side * | 4276 | 4712 | 4987 | 4987 | 4987 |
| C – front corner ** | 4676 | 5162 | 5437 | 5637 | 5937 |

All dimensions are in millimetres

* Front side dimension has a tolerance of +/- 25 mm

** Front corner dimension is the factory mounted position. This position can be adjusted during installation to meet individual requirements.



Below shows our recommended position based upon certain body standards:

Chem body standard C Dimension

Afnor body standard C Dimension

SFS body standard C Dimension – 50 mm

DIN body standard C Dimension – 130 mm

Cycle times in seconds (s) based on the recommend oil flow

| | |
|----------------|-----------|
| Unloading | 42 – 51 |
| Loading | 34 – 42 |
| Tipping | 37 – 45 |
| Lowering | 27 – 32 |
| Complete cycle | 140 – 170 |

Unloading Open hydraulic body locks - Slide hookarm backwards - Outstroke main cylinders

Loading Instroke main cylinders - Slide hookarm forwards - Close hydraulic body locks

Tipping Outstroke main cylinders

Lowering Instroke main cylinders

Complete cycle Open hydraulic body locks - Slide hookarm backwards - Outstroke main cylinders - Instroke main cylinders -
Slide hookarm forwards - Close hydraulic body locks - Outstroke main cylinders - Instroke main cylinders

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