

MULTILIFT OPTIMA 25S

CAPACITY 25 t



TECHNICAL INFORMATION

Only for internal use

MULTILIFT OPTIMA 25S TECHNICAL DATA

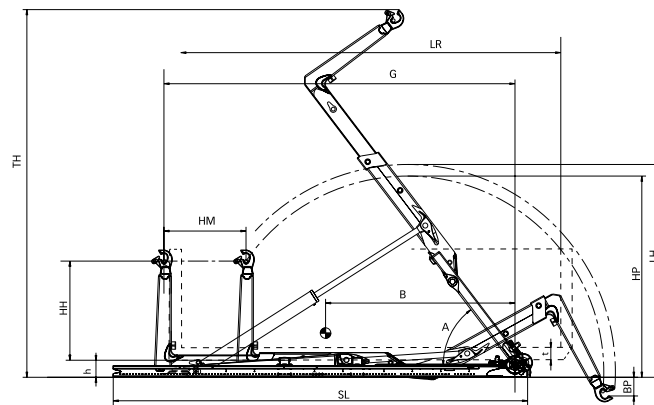
Technical data	OPTIMA 25S.46	OPTIMA 25S.51	OPTIMA 25S.53	OPTIMA 25S.55	OPTIMA 25S.56	OPTIMA 25S.56S	OPTIMA 25S.59	OPTIMA 25S.61	OPTIMA 25S.63
Capacity (t)	25								
G-Measurement	46	51	53	55	56	56S	59	61	63
System weight (kg)	2290	2380	2470	2500	2500	2500	2530	2550	2590
A = Tipping angle (°)	50	49	53	49	53	49	53	49	46
B = Centre of gravity (mm)	2450	2700	2850	3050	2950	2950	3000	3150	3300
G = Exact g-length (mm) *	4580	5080	5360	5480	5560	5580	5860	6080	6330
BP = Body pickup height offset (HH1450mm) **	+68	+10	-160	-160	-160	-160	-86	-86	-86
BP = Body pickup height offset (HH1570mm) **	-45	-90	-280	-270	-278	-270	-207	-207	-200
LH = Hooklift loading/unloading height (max) (mm)	3114	3168	3407	3283	3400	3343	3470	3523	3486
LR = Body length (min - max) (m) internal	4.0 - 5.6	4.3 - 6.1	4.5 - 6.4	4.5 - 6.5	4.6 - 6.6	4.8 - 6.6	4.7 - 7.0	4.9 - 7.1	5.1 - 7.3
HM = Horizontal movement (mm)	900	1100	1100	1000	1300	1100	1450	1450	1450
HP = Hook bar position (max) (mm)	2906	2948	3175	3175	3175	3175	3300	3300	3300
SL = Subframe length (mm)	5333	5933	6563	6283	6563	6283	6563	6733	6883
TH = Hooklift tipping height (max) (mm)	5010	5351	5692	5567	5851	5682	6036	6130	6105
h = Installation height (mm)	250								
t = min free tunnel height (body)	125								
HH = Hook height (mm)	1575								
BW = body width (mm)	1152								
Max. Operating pressure (MPa)	31,5								
Recommended oilflow (l/min)	100								

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

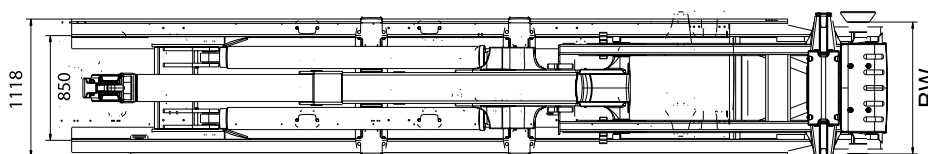
** Body pickup height offset is calculated from the final chassis height that the hooklift subframe is mounted to the truck.

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

MULTILIFT Optima 25S side view



MULTILIFT Optima 25S top view



Position of control valve

Model	OPTIMA 25S.46	OPTIMA 25S.51	OPTIMA 25S.53	OPTIMA 25S.55	OPTIMA 25S.56	OPTIMA 25S.56S	OPTIMA 25S.59	OPTIMA 25S.61	OPTIMA 25S.63
A - Middle	3400	3400	3400	3400	3400	3400	3400	3400	3400
B - Front side*	4317	4759	5044	5264	5044	5264	5044	5264	5494
C - Front corner**	5081	5523	5808	6028	5808	6028	5808	6028	6258
D - Front corner, tank mounted	4936	5433	5713	5823	5913	5913	6213	6413	6666

All dimensions are in millimetres

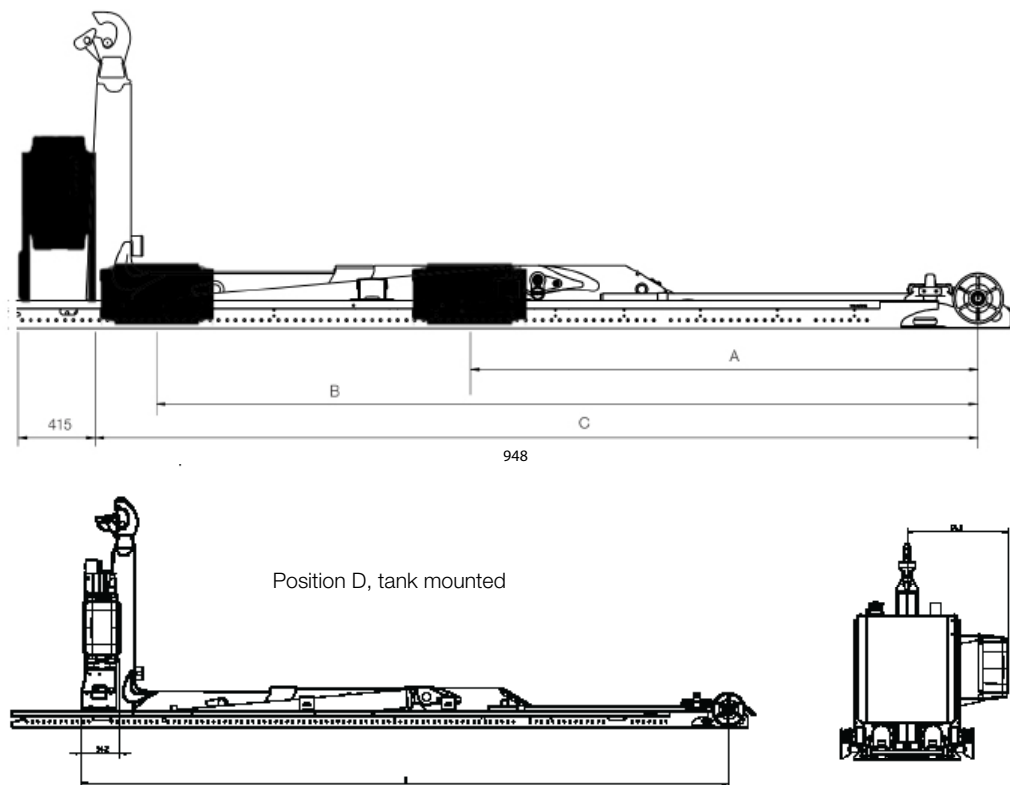
* Front side dimension has a tolerance of +/- 25 mm

** 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
Afnor body standard
SFS body standard
DIN body standard

C Dimension
C Dimension
C Dimension - 50 mm
C Dimension - 130 mm



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

Cycle	Cycle times
Unloading	43 - 53
Loading	35 - 43
Tipping	39 - 47
Lowering	29 - 35
Complete cycle	146 - 178

* Cycle times are affected by many factors such as equipment and truck configuration

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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