

Crawler Excavator Specifications

RH 8.5 RH 9.5



	RH 8.5	RH 9.5
Service weight t	25.0-27.7	28.8-32.1
Engine output kW	135	148
Trenching buckets up to (SAE)	m ³ 1.6	1.8

- PMS three-pump hydraulics
- Electronic control and monitoring system
- Noise insulated, deluxe cab
- Low noise and emission values
- Very low fuel consumption



The new crawler excavator generation: strong – silent – sturdy

New regenerative circuit for boom and stick cylinders

Zero-energy lowering of attachment

Optimum lowering speed for attachment

New geometry

Fast work cycles

Extended leverage for added forces

Fuel savings through improved efficiency

Outstanding precision controllability

Sealed bucket mount

Generous working range for stick and bucket

Three stick lengths, various buckets and attachments





CE symbol according to EC Machinery Directive
TÜV certificate for compliance with DIN ISO EN 9001
**Lifting gear permitted with installed anti-burst and over-
load warning devices**

New coolant system
New cooling air routing
Heat exchange through external
combined radiator

Powerful Iveco diesel with electronic
control
Low engine RPM for extended
durability
Rugged design engineered for
construction machinery applications



Final drives protected within the crawler profile
LC or HD undercarriage for excellent lift capacity
and punishing applications
Automatic up/down shifting

O&K track cleaning and guide shoe
(optional)



Engine

Iveco diesel NEF 6 TAA CR
 Water-cooled • Turbocharged • Charge-air cooler • Electric rev regulation • Electric engine shut-off at key switch

Engine output ISO 9249	135 kW / 2000 rpm
Cylinders/displacement	6 / 5900 cm ³
Bore/stroke	102 mm / 120 mm
Voltage system	24 V
2 batteries	each 12 V / 92 Ah
Alternator	70 A
Starter	4.0 kW

Exhaust emissions comply with current legislation



Hydraulics

PMS 3-pump system with two main pumps and separate swing pump • Main pumps with individual control • Pressure booster with power boost operation • Flow on demand • Double flow • Parallel bucket circuits for 4 functions simultaneously • Hydraulic oil cooler with controlled fan drive • High-pressure lines with flanged fittings • Microfiltration of return oil, servo and swing circuits.

Max. delivery, main pumps	2 x 230 l/min
Max. delivery, swing pump	135 l/min
Max. pressure, w/o booster	350 bar
Max. pressure, with booster	370 bar
Max. pressure, swing gear	390 bar



Control and monitoring system

Engine and pump monitoring system with electronic load limit (PMS III) • Controlled heat-up phase • Engine and hydraulic system temperature monitoring, with rev limit to protect engine and pumps • Automatic engine rev return

3 selectable output levels:

	Heavy	Eco	Lift
RPM	2000	1800	1600
Pump output	100%	90%	65%



Swing gear

Swing pump/motor within sealed circuit for zero-loss superstructure start-up and braking • Swing gear with built-in wear-proof multidisc brake • Encapsulated ball-bearing swing ring with long-term lubrication

Effective slewing moment	77 kNm
Max. rpm	9.5



Cab

Tinted safety glass • Front top pane retracts, lower section removable • Sliding window in the door • Roof window • Rain-protecting roof • Three-speed blower • Defroster nozzles for leg area and front windows • Central display for all control and monitoring functions • Deluxe seat • Control functions to ISO recommendations • Individually adjustable side consoles • Ergonomic servo-control levers



Final drive

Hydraulic drive for each crawler • Stone guard for adjustable motor, final drives and brake valves inside the crawler profile • Crawler brake • Track guard • Low-maintenance crawlers with track tensioning • Sealed chain link bearings • Lifetime lubricated track and support rollers.

Max. effective tractive force	222 kN
Max. travel speed	5 km/h
Track pads per crawler	51



Capacities

Fuel	420 l
Cooling system	34 l
Engine oil, including filter	17 l
Slewing gear	3.5 l
Hydraulic tank	200 l
Hydraulic system	330 l

Equipment

Low maintenance through hardened and corrosion-proofed bearing pins, low-wear bushings, sealed bearings and easily accessible grease distributor for boom • Hydraulic cylinders with plain bearings • Spotlight mounted on boom

Options

Air conditioning • Eco-friendly hydraulic oil • Auxiliary heating • Refuelling unit • Anti-burst and overload warning devices • Additional headlamp • Mid-mounted track guide • TCG track guide and cleaning shoe • Stone guard • Deluxe cab • Fittings for radio/cassette recorder



Engine

Iveco diesel NEF 6 TAA CR
 Water-cooled • Turbocharged • Charge-air cooler • Electric rev regulation • Electric engine shut-off at key switch

Engine output ISO 9249	148 kW / 2000 rpm
Cylinders/displacement	6 / 5900 cm ³
Bore/stroke	102 mm / 120 mm
Voltage system	24 V
2 batteries	each 12 V / 92 Ah
Alternator	70 A
Starter	4.0 kW

Exhaust emissions comply with current legislation



Hydraulics

PMS 3-pump system with two main pumps and separate swing pump • Main pumps with individual control • Pressure booster with power boost operation • Flow on demand • Double flow • Parallel bucket circuits for 4 functions simultaneously • Hydraulic oil cooler with controlled fan drive • High-pressure lines with flanged fittings • Microfiltration of return oil, servo and swing circuits.

Max. delivery, main pumps	2 x 255 l/min
Max. delivery, swing pump	145 l/min
Max. pressure, w/o booster	350 bar
Max. pressure, with booster	370 bar
Max. pressure, swing gear	390 bar



Control and monitoring system

Engine and pump monitoring system with electronic load limit (PMS III) • Controlled heat-up phase • Engine and hydraulic system temperature monitoring, with rev limit to protect engine and pumps • Automatic engine rev return

3 selectable output levels:

	Heavy	Eco	Lift
RPM	2000	1800	1600
Pump output	100%	90%	65%



Swing gear

Swing pump/motor within sealed circuit for zero-loss superstructure start-up and braking • Swing gear with built-in wear-proof multidisc brake • Encapsulated ball-bearing swing ring with long-term lubrication

Effective slewing moment	86 kNm
Max. rpm	9.0



Cab

Tinted safety glass • Front top pane retracts, lower section removable • Sliding window in the door • Roof window • Rain-protecting roof • Three-speed blower • Defroster nozzles for leg area and front windows • Central display for all control and monitoring functions • Deluxe seat • Control functions to ISO recommendations • Individually adjustable side consoles • Ergonomic servo-control levers



Final drive

Hydraulic drive for each crawler • Stone guard for adjustable motor, final drives and brake valves inside the crawler profile • Crawler brake • Track guard • Low-maintenance crawlers with track tensioning • Sealed chain link bearings • Lifetime lubricated track and support rollers.

Max. effective tractive force	257 kN
Max. travel speed	5 km/h
Track pads per crawler	50



Capacities

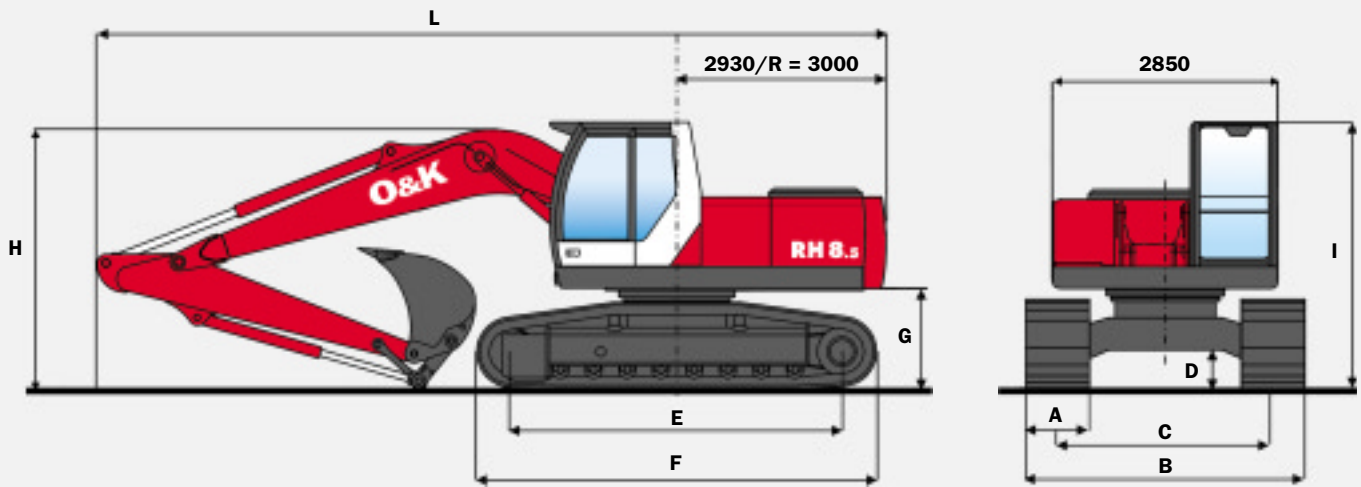
Fuel	420 l
Cooling system	34 l
Engine oil, including filter	17 l
Slewing gear	4 l
Hydraulic tank	200 l
Hydraulic system	360 l

Equipment

Low maintenance through hardened and corrosion-proofed bearing pins, low-wear bushings, sealed bearings and easily accessible grease distributor for boom • Hydraulic cylinders with plain bearings • Spotlight mounted on boom

Options

Air conditioning • Eco-friendly hydraulic oil • Auxiliary heating • Refuelling unit • Anti-burst and overload warning devices • Additional headlamp • Mid-mounted track guide • TCG track guide and cleaning shoe • Stone guard • Deluxe cab • Fittings for radio/cassette recorder



All lengths quoted in mm

	A	B	C	D	E	F	G	I
RH 8.5 NLC 600	600	2980	2380	460	3830	4630	1100	3000
RH 8.5 NLC 700	700	3080	2380	460	3830	4630	1100	3000
RH 8.5 NLC 800	800	3180	2380	460	3830	4630	1100	3000
RH 8.5 LC 600	600	3200	2600	460	3830	4630	1100	3000
RH 8.5 LC 700	700	3300	2600	460	3830	4630	1100	3000
RH 8.5 LC 800	800	3400	2600	460	3830	4630	1100	3000
RH 8.5 LC 900	900	3500	2600	460	3830	4630	1100	3000

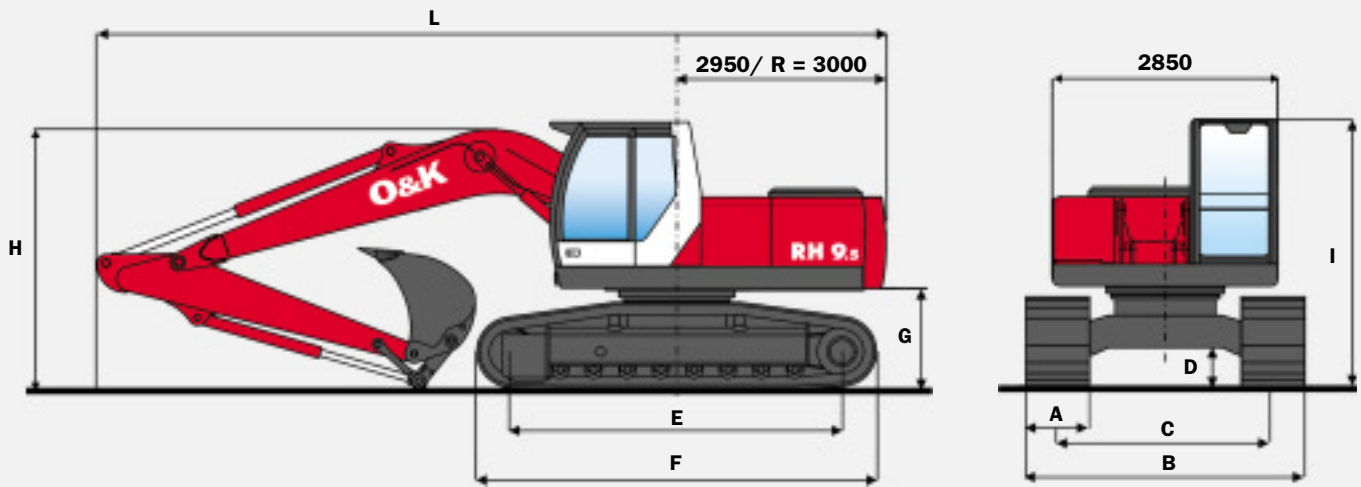
Transport dimensions monoboam		
Stick	L	H
2.5 m	10200	3300
3.0 m	10200	3200
3.5 m	10200*	3330*

Transport dimensions adjustable boom		
Stick	L	H
2.5 m	10600	3320
3.0 m	10600	3260
3.5 m	10600*	3330*

* without backhoe

	Weight kg		Crawler			Ground pressure	
	Mono	Adjustable boom	Track size	Track rollers	Upper rollers	Mono	Adjustable boom
RH 8.5 NLC 600	25000	26100	B60/190 mm	8	2	0.51	0.53 kg/cm ²
RH 8.5 NLC 700	25300	26400	B60/190 mm	8	2	0.44	0.46 kg/cm ²
RH 8.5 NLC 800	25500	26600	B60/190 mm	8	2	0.39	0.40 kg/cm ²
RH 8.5 LC 600	25200	26300	B60/190 mm	8	2	0.51	0.53 kg/cm ²
RH 8.5 LC 700	25500	26600	B60/190 mm	8	2	0.44	0.46 kg/cm ²
RH 8.5 LC 800	25800	26900	B60/190 mm	8	2	0.39	0.41 kg/cm ²
RH 8.5 LC 900	26100	27200	B60/190 mm	8	2	0.35	0.37 kg/cm ²

3.0 m stick and trenching bucket (850 kg)



All lengths quoted in mm

	A	B	C	D	E	F	G	I
RH 9.5 NLC 600	600	2980	2380	475	3990	4850	1150	3050
RH 9.5 NLC 700	700	3080	2380	475	3990	4850	1150	3050
RH 9.5 NLC 800	800	3180	2380	475	3990	4850	1150	3050
RH 9.5 LC 600	600	3200	2600	475	3990	4850	1150	3050
RH 9.5 LC 700	700	3300	2600	475	3990	4850	1150	3050
RH 9.5 LC 800	800	3400	2600	475	3990	4850	1150	3050
RH 9.5 LC 900	900	3500	2600	475	3990	4850	1150	3050

Transport dimensions monoboam		
Stick	L	H
2.6 m	10400	3350
3.1 m	10400	3230
3.7 m	10400	3350*

Transport dimensions adjustable boom		
Stick	L	H
2.6 m	10750	3250
3.1 m	10750	3200
3.7 m	10750	3400/3250*

* without backhoe

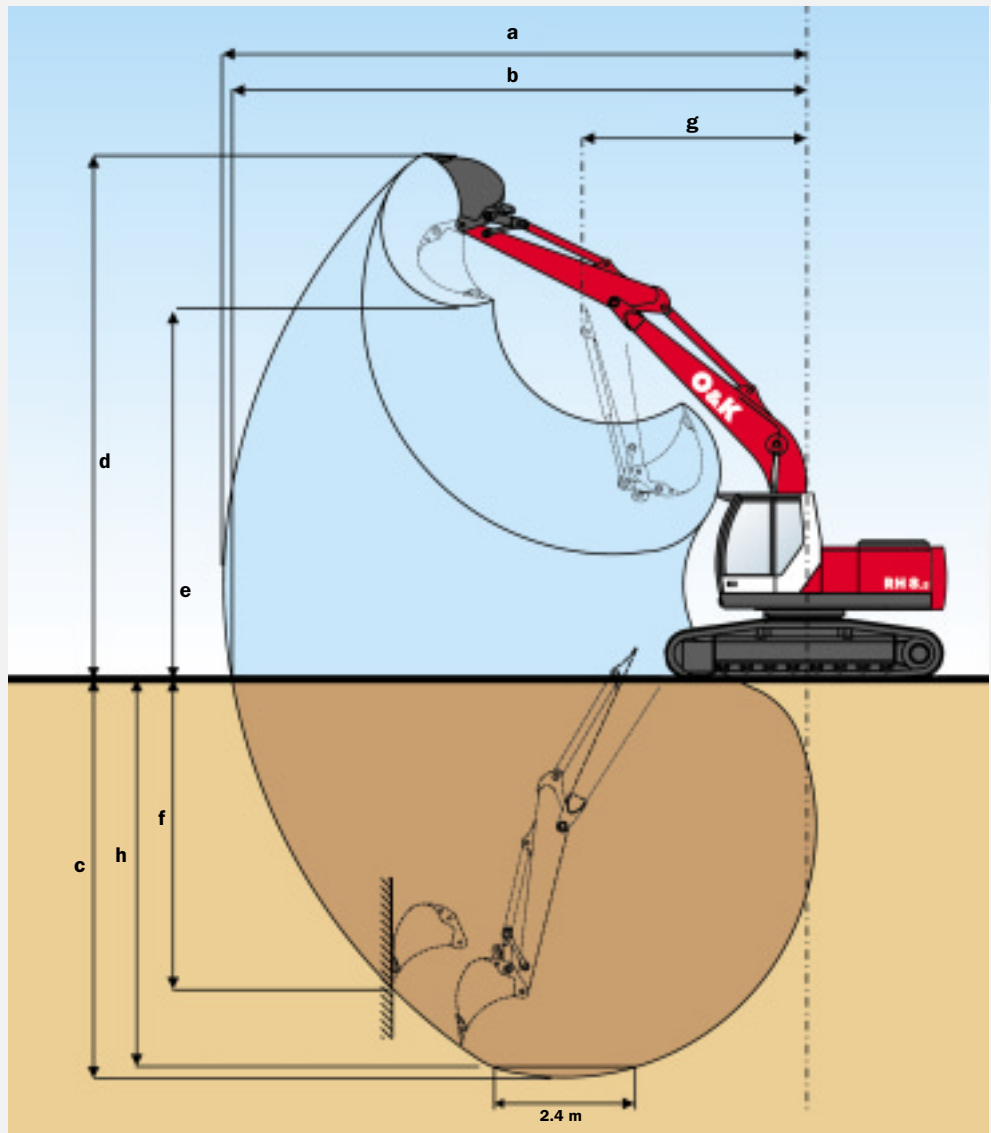
	Weight kg		Crawler			Ground pressure	
	Mono	Adjustable boom	Track size	Track rollers	Upper rollers	Mono	Adjustable boom
RH 9.5 NLC 600	28800	29800	D7/203 mm	8	2	0.56	0.58 kg/cm ²
RH 9.5 NLC 700	29200	30200	D7/203 mm	8	2	0.48	0.50 kg/cm ²
RH 9.5 NLC 800	29600	30600	D7/203 mm	8	2	0.43	0.45 kg/cm ²
RH 9.5 LC 600	29000	30000	D7/203 mm	8	2	0.56	0.58 kg/cm ²
RH 9.5 LC 700	29400	30400	D7/203 mm	8	2	0.48	0.50 kg/cm ²
RH 9.5 LC 800	29800	30800	D7/203 mm	8	2	0.43	0.45 kg/cm ²
RH 9.5 LC 900	30200	31200	D7/203 mm	8	2	0.39	0.40 kg/cm ²

3.1 m stick and trenching bucket (1070 kg)



Working range with backhoe and monoboom 6.0 m

RH 8.5

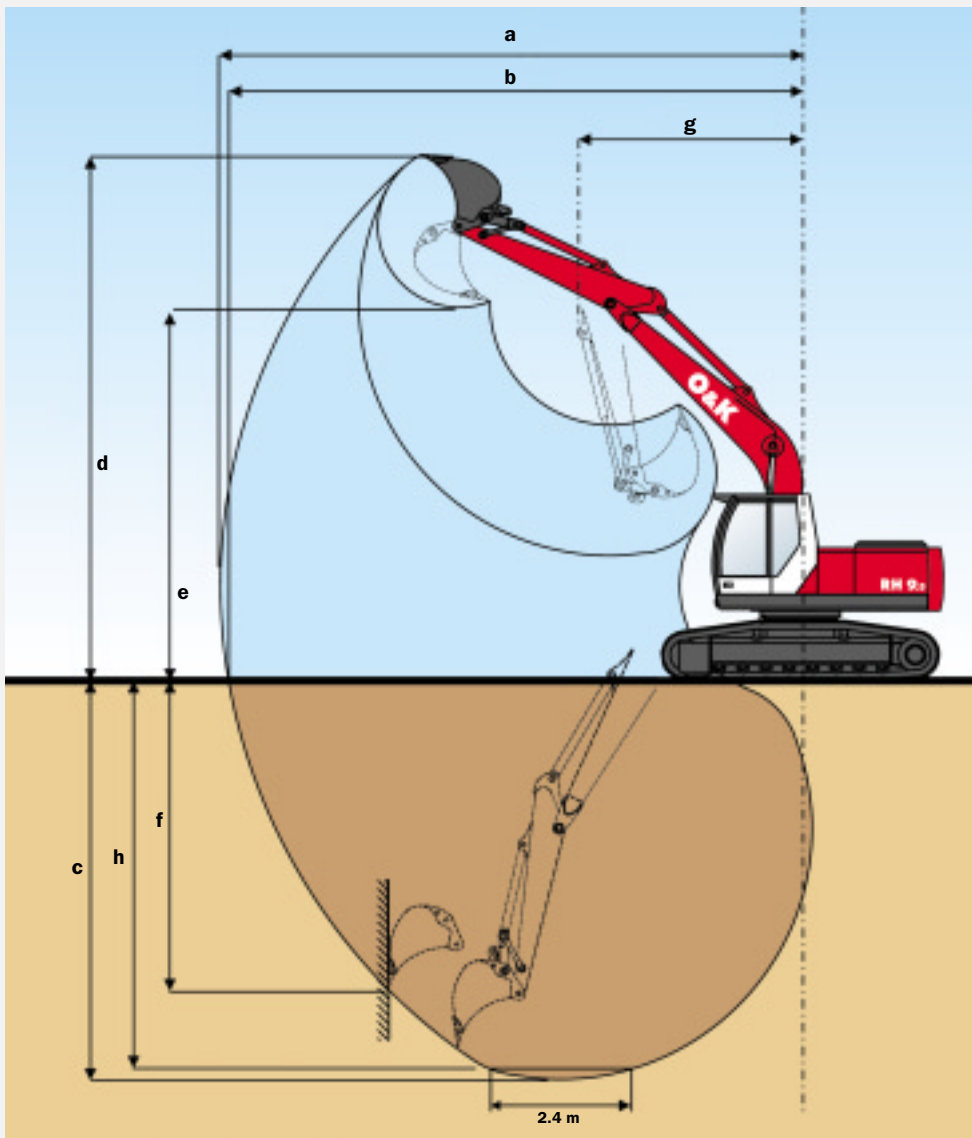


		Stick length	2.5 m	3.0 m	3.5 m
Range					
a	Maximum reach	m	9.9	10.2	10.7
b	Maximum reach at ground level	m	9.7	10.0	10.5
c	Maximum digging depth	m	6.4	6.9	7.4
d	Maximum penetration height	m	9.6	9.3	9.6
e	Maximum dump height	m	6.9	6.9	7.1
f	Maximum vertical digging depth	m	4.5	4.3	4.8
g	Minimum slew radius	m	4.0	4.0	4.0
h	Maximum digging depth with 2.4 m (8') wide base	m	6.2	6.6	7.2

Digging forces				
Stick		2.5 m	3.0 m	3.5 m
Breakout force	kN	156	156	156
Ripping force	kN	132	117	105

Working range with backhoe and monoboam 6.3 m

RH 9.5



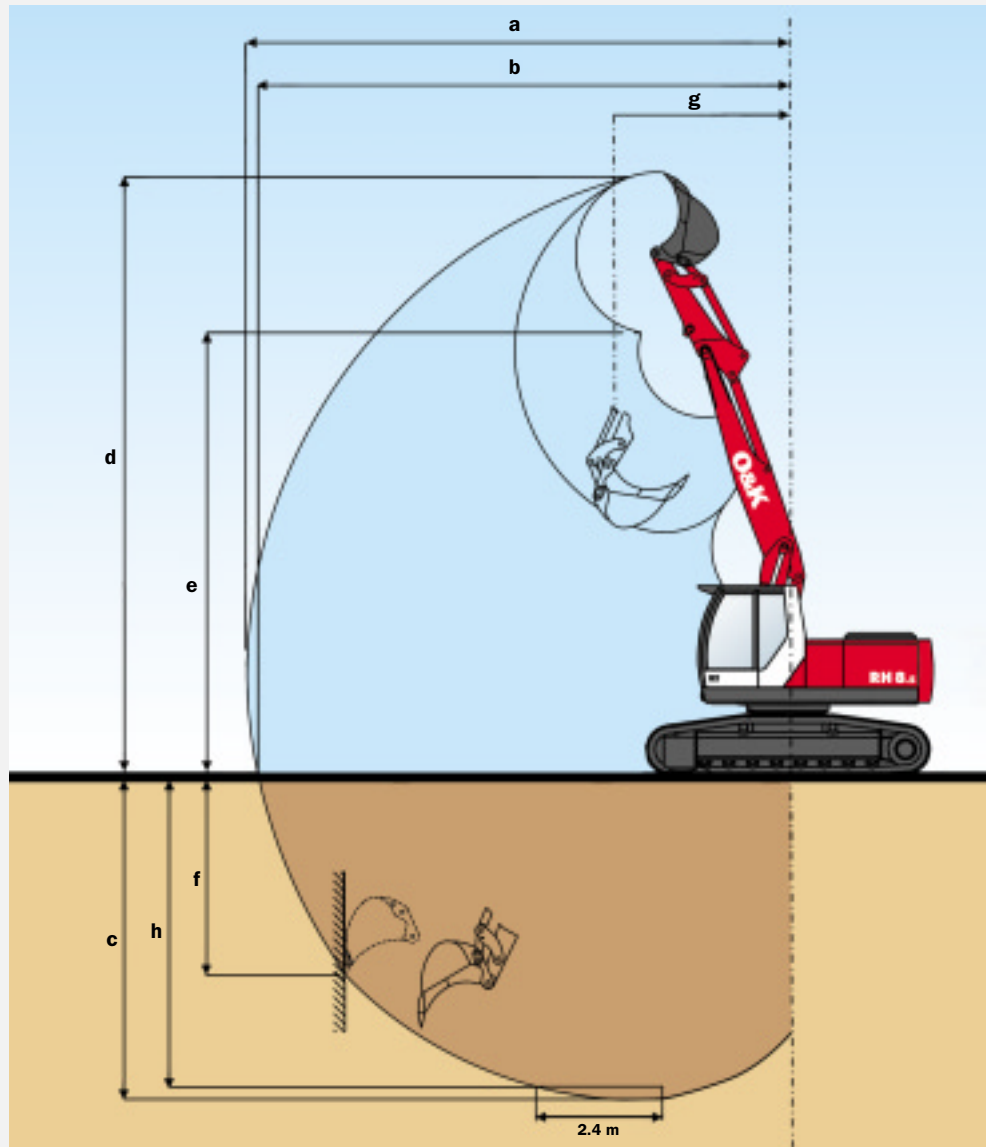
		Stick length	2.6 m	3.1 m	3.7 m
Range					
a	Maximum reach	m	10.3	10.7	11.3
b	Maximum reach at ground level	m	10.2	10.5	11.1
c	Maximum digging depth	m	6.6	7.1	7.7
d	Maximum penetration height	m	9.7	9.5	9.8
e	Maximum dump height	m	7.0	7.0	7.3
f	Maximum vertical digging depth	m	5.3	5.1	5.7
g	Minimum slew radius	m	4.7	4.6	4.6
h	Maximum digging depth with 2.4 m (8') wide base	m	6.4	6.9	7.5

		Digging forces		
Stick		2.6 m	3.1 m	3.7 m
Breakout force	kN	180	180	180
Ripping force	kN	135	120	106



Working range with backhoe and adjustable boom

RH 8.5



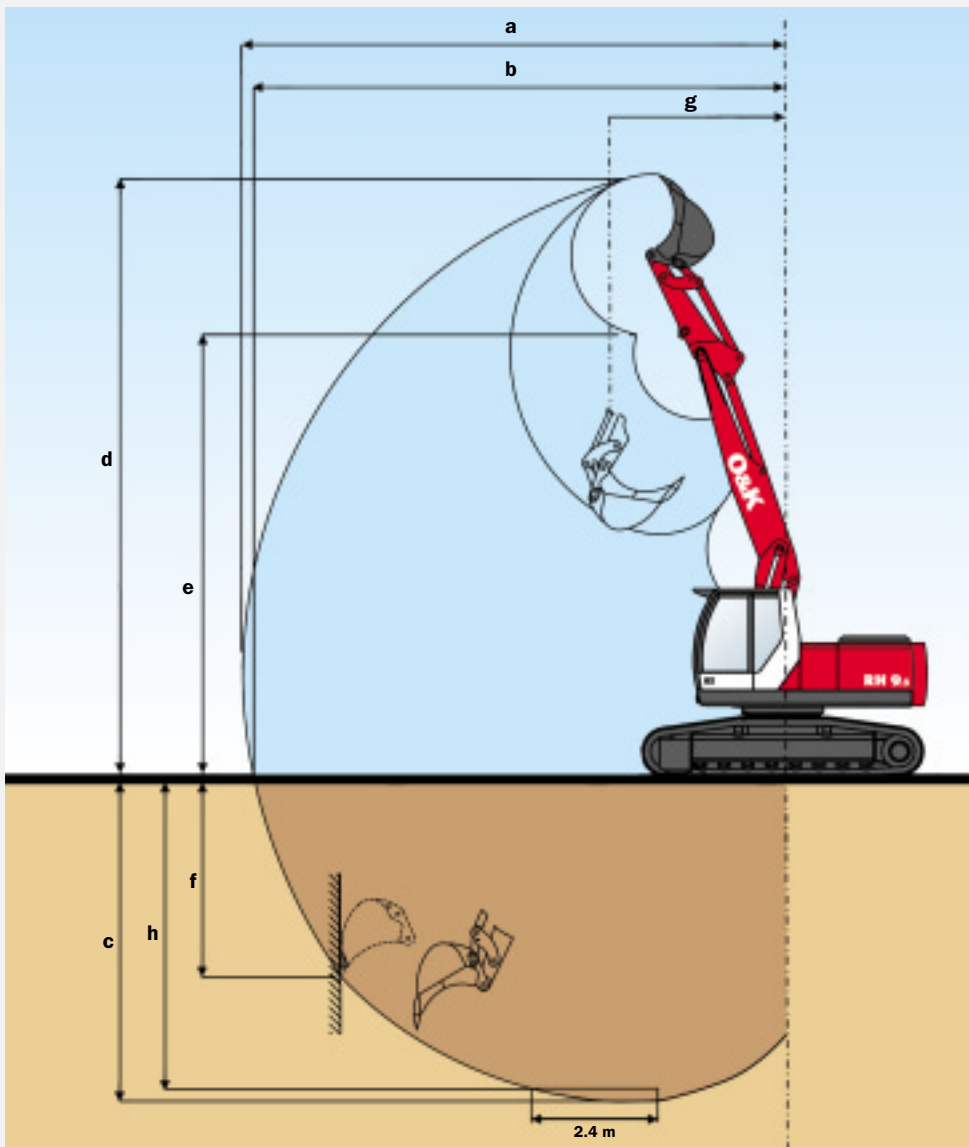
		Stick length	2.5 m	3.0 m	3.5 m
Range					
a	Maximum reach	m	10.4	10.7	11.2
b	Maximum reach at ground level	m	10.2	10.6	11.1
c	Maximum digging depth	m	6.5	6.9	7.4
d	Maximum penetration height	m	11.5	11.6	12.0
e	Maximum dump height	m	8.7	8.8	9.2
f	Maximum vertical digging depth	m	4.7	4.8	5.3
g	Minimum slew radius	m	3.0	2.8	2.9
h	Maximum digging depth with 2.4 m (8') wide base	m	6.4	6.8	7.3

Digging forces				
Stick		2.5 m	3.0 m	3.5 m
Breakout force*	kN	156	156	156
Ripping force*	kN	132	117	105

* with booster

Working range with backhoe and adjustable boom

RH 9.5



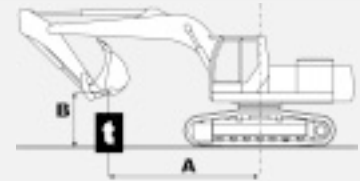
		Stick length	2.6 m	3.1 m	3.7 m
Range					
a	Maximum reach	m	10.8	11.2	11.7
b	Maximum reach at ground level	m	10.6	11.0	11.6
c	Maximum digging depth	m	6.7	7.1	7.7
d	Maximum penetration height	m	11.9	12.1	12.5
e	Maximum dump height	m	9.0	9.2	9.6
f	Maximum vertical digging depth	m	5.0	5.2	5.8
g	Minimum slew radius	m	3.3	3.1	3.2
h	Maximum digging depth with 2.4 m (8') wide base	m	6.5	7.0	7.6

		Digging forces			
Stick		2.6 m	3.1 m	3.7 m	
Breakout force*	kN	180	180	180	
Ripping force	kN	135	120	106	

* with booster

As per ISO 10567, the specified values represent 75 percent of the static tipping loads or 87 percent of the hydraulic lift capacity. These values apply with booster activated:

- a Total slewing range 360°
- b Longitudinal direction +/-15°
- * Limited by hydraulic system



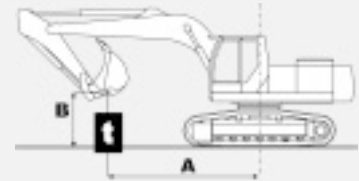
RH 8.5/600 NLC												
Stick	B	A	3.0 m		4.5 m		6.0 m		7.5 m		max.	
			a	b	a	b	a	b	a	b	a	b
2.5 m	4.5 m						5.6*	5.6*	4.0	5.0*		
	3.0 m			8.6	8.9*		5.5	6.6*	3.8	5.5*		
	1.5 m			7.9	10.8*		5.2	7.6*	3.6	6.0*		
2.5 m	Ground level		4.3*	4.3*	7.6	11.7*	4.9	8.3*	3.5	6.4*	2.9	4.0*
	1.5 m		9.2*	9.2*	7.5	11.7*	4.8	8.5*	3.5	6.4		
	3.0 m		15.2	15.3*	7.6	11.0*	4.9	8.0*				
3.0 m	4.5 m						5.0*	5.0*	4.0	4.6*		
	3.0 m		13.5*	13.5*	8.0*	8.0*	5.5	6.1*	3.8	5.1*		
	1.5 m		4.6*	4.6*	8.0	10.1*	5.2	7.2*	3.6	5.7*		
3.0 m	Ground level		6.3*	6.3*	7.6	11.3*	4.9	8.0*	3.5	6.2*	2.7	3.3*
	1.5 m		9.7*	9.7*	7.4	11.7*	4.8	8.4*	3.4	6.4		
	3.0 m		14.3*	14.3*	7.5	11.2*	4.8	8.2*				
3.5 m	4.5 m								4.0	4.1*		
	3.0 m		11.2*	11.2*	7.1*	7.1*	5.5*	5.5*	3.8	4.7*		
	1.5 m		6.7*	6.7*	8.1	9.3*	5.2	6.7*	3.6	5.3*		
3.5 m	Ground level		6.5*	6.5*	7.6	10.8*	4.9	7.6*	3.4	5.9*	2.4	2.6*
	1.5 m		8.9*	8.9*	7.3	11.5*	4.7	8.1*	3.3	6.2		
	3.0 m		12.6*	12.6*	7.3	11.3*	4.6	8.1*	3.3	6.1*		

RH 8.5/600 LC												
Stick	B	A	3.0 m		4.5 m		6.0 m		7.5 m		max.	
			a	b	a	b	a	b	a	b	a	b
2.5 m	4.5 m						5.6*	5.6*	4.4	5.0*		
	3.0 m			8.9*	8.9*		6.1	6.6*	4.2	5.5*		
	1.5 m			8.9	10.8*		5.8	7.6*	4.1	6.0*		
2.5 m	Ground level		4.3*	4.3*	8.6	11.7*	5.5	8.3*	3.9	6.4*	3.2	4.0*
	1.5 m		9.2*	9.2*	8.5	22.7*	5.4	8.5*	3.9	6.5		
	3.0 m		15.3*	15.3*	8.6	11.0*	5.5	8.0*				
3.0 m	4.5 m						5.0*	5.0*	4.4	4.6*		
	3.0 m		13.5*	13.5*	8.0*	8.0*	6.1*	6.1*	4.2	5.1*		
	1.5 m		4.6*	4.6*	9.0	10.1*	5.8	7.2*	4.0	5.7*		
3.0 m	Ground level		6.3*	6.3*	8.6	11.3*	5.5	8.0*	3.9	6.2*	3.0	3.3*
	1.5 m		9.7*	9.7*	8.4	11.7*	5.4	8.4*	3.8	6.4		
	3.0 m		14.3*	14.3*	8.4	11.2*	5.4	8.2*				
3.5 m	4.5 m								4.1*	4.1*		
	3.0 m		11.2*	11.2*	7.1*	7.1*	5.5*	5.5*	4.2	4.7*		
	1.5 m		6.7*	6.7*	9.1	9.3*	5.8	6.7*	4.0	5.3*		
3.5 m	Ground level		6.5*	6.5*	8.5	10.8*	5.5	7.6*	3.8	5.9*	2.6*	2.6*
	1.5 m		8.9*	8.9*	8.3	11.5*	5.3	8.1*	3.7	6.2*		
	3.0 m		12.6*	12.6*	8.3	11.3*	5.2	8.1*	3.7	6.1*		

As per EN 474/5, hydraulic excavators in lifting operations must be equipped with anti-burst valves at the lift cylinders and an overload warning device.

As per ISO 10567, the specified values represent 75 percent of the static tipping loads or 87 percent of the hydraulic lift capacity. These values apply with booster activated:

- a Total slewing range 360°
- b Longitudinal direction +/-15°
- * Limited by hydraulic system



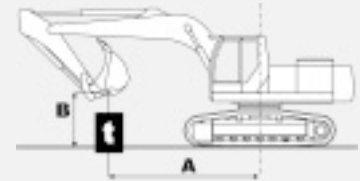
		RH 9.5/600 NLC											
Stick	B	A		3.0 m		4.5 m		6.0 m		7.5 m		max.	
		a	b	a	b	a	b	a	b	a	b	a	b
	4.5 m							6.4	6.6*	4.4	5.8*		
	3.0 m					9.3	10.8*	6.0	7.8*	4.2	6.5*		
	1.5 m					8.6	13.0*	5.6	9.0*	4.0	7.1*		
2.6 m	Ground level					8.3	14.0*	5.4	9.9*	3.8	7.1	2.8	2.9*
	1.5 m	9.0*	9.0*			8.2	14.0*	5.3	10.0	3.8	7.0		
	3.0 m	14.7*	14.7*			8.4	13.2*	5.3	9.7*	3.8	7.1		
	4.5 m									4.4	5.3*		
	3.0 m	8.2*	8.2*			9.5	9.8*	6.0	7.2*	4.2	6.0*		
	1.5 m					8.7	12.2*	5.6	8.5*	3.9	6.7*		
3.1 m	Ground level	6.0*	6.0*			8.2	13.5*	5.3	9.5*	3.8	7.0	2.3*	2.3*
	1.5 m	9.5*	9.5*			8.1	13.9*	5.2	9.9	3.7	6.9		
	3.0 m	13.7*	13.7*			8.1	13.4*	5.2	9.8*	3.7	6.9		
	4.5 m									4.4	4.7*		
	3.0 m							6.1	6.4*	4.1	5.4*		
	1.5 m	6.1*	6.1*			8.8	11.1*	5.6	7.8*	3.9	6.2*		
3.7 m	Ground level	6.4*	6.4*			8.2	12.8*	5.3	8.9*	3.7	6.9	1.6*	1.6*
	1.5 m	8.7*	8.7*			7.9	13.6*	5.1	9.6*	3.5	6.8		
	3.0 m	12.0*	12.0*			7.9	13.5*	5.0	9.7	3.5	6.8		

		RH 9.5/600 LC											
Stick	B	A		3.0 m		4.5 m		6.0 m		7.5 m		max.	
		a	b	a	b	a	b	a	b	a	b	a	b
	4.5 m							6.6*	6.6*	4.9	5.8*		
	3.0 m					10.5	10.8*	6.7	7.8*	4.7	6.5*		
	1.5 m					9.7	13.0*	6.3	9.0*	4.5	7.1*		
2.6 m	Ground level					9.4	14.0*	6.1	9.9*	4.3	7.1	2.9*	2.9*
	1.5 m	9.0*	9.0*			9.4	14.0*	6.0	10.1*	4.3	7.1		
	3.0 m	14.7*	14.7*			9.5	13.2*	6.0	9.7*	4.3	7.1		
	4.5 m									4.9	5.3*		
	3.0 m	8.2*	8.2*			9.8*	9.8*	6.7	7.2*	4.7	6.0*		
	1.5 m					9.8	12.2*	6.3	8.5*	4.4	6.7*		
3.1 m	Ground level	6.0*	6.0*			9.3	13.5*	6.0	9.5*	4.2	7.1	2.3*	2.3*
	1.5 m	9.5*	9.5*			9.2	13.9*	5.9	9.9	4.2	7.0		
	3.0 m	13.7*	13.7*			9.3	13.4*	5.9	9.8*	4.2	7.0		
	4.5 m									4.7*	4.7*		
	3.0 m							6.4*	6.4*	4.6	5.4*		
	1.5 m	6.1*	6.1*			9.9	11.1*	6.3	7.8*	4.4	6.2*		
3.7 m	Ground level	6.4*	6.4*			9.3	12.8*	6.0	8.9*	4.2	6.9*	1.6*	1.6*
	1.5 m	8.7*	8.7*			9.1	13.6*	5.7	9.6*	4.0	6.9		
	3.0 m	12.0*	12.0*			9.0	13.5*	5.7	9.7	4.0	6.8		

As per EN 474/5, hydraulic excavators in lifting operations must be equipped with anti-burst valves at the lift cylinders and an overload warning device.

As per ISO 10567, the specified values represent 75 percent of the static tipping loads or 87 percent of the hydraulic lift capacity. These values apply with booster activated:

- a Total slewing range 360°
- b Longitudinal direction +/-15°
- * Limited by hydraulic system



RH 8.5/600 NLC													
Stick	A B	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		max.	
		a	b	a	b	a	b	a	b	a	b	a	b
2.5 m	4.5 m	13.3*	13.3*	8.9	9.1*	5.8	6.9*	3.9	5.9*				
	3.0 m	12.9*	12.9*	8.6	10.5*	5.6	7.5*	3.7	6.1*	2.5	4.8		
	1.5 m	14.2*	14.2*	8.4	11.1*	5.5	7.9*	3.5	6.1*	2.5	4.8		
3.0 m	Ground level	14.8*	14.8*	8.0	11.1*	5.1	7.9*	3.3	6.1*	2.4	4.6*	2.3	4.2*
	1.5 m	14.9	18.1*	7.6	11.2*	4.9	8.0*	3.2	4.9*				
	3.0 m	14.9	17.9*	7.5	11.4*	4.7	7.9*						
3.5 m	4.5 m	11.8*	11.8*	7.8*	7.8*	5.8	6.5*	4.0	5.4*	2.6	3.6*		
	3.0 m	14.0*	14.0*	8.6	10.0*	5.6	7.2*	4.0	5.7*	2.6	4.7*		
	1.5 m	14.2*	14.2*	8.4	10.9*	5.5	7.7*	3.8	5.9*	2.5	4.7		
3.0 m	Ground level	15.5	16.1*	8.1	11.0*	5.2	7.8*	3.5	6.0*	2.4	4.7	2.1	3.6*
	1.5 m	14.8	17.7*	7.6	11.1*	4.9	7.9*	3.3	6.0*	2.3	4.1*		
	3.0 m	14.7	18.0*	7.4	11.3*	4.7	8.0*	3.1	5.5*				
3.5 m	4.5 m			5.2*	5.2*	5.1*	5.1*	4.0	4.6*	2.7	3.6*		
	3.0 m	14.2*	14.2*	8.6	9.3*	5.6	6.8*	3.9	5.4*	2.6	4.5*		
	1.5 m	13.9*	13.9*	8.3	10.5*	5.4	7.4*	3.8	5.7*	2.5	4.6*		
3.0 m	Ground level	15.1*	15.1*	8.2	10.8*	5.2	7.7*	3.6	5.8*	2.4	4.6	1.8	2.7*
	1.5 m	14.8	17.0*	7.6	10.8*	4.9	7.7*	3.3	5.8*	2.2	4.5*		
	3.0 m	14.5	17.8*	7.3	11.1*	4.7	7.9*	3.1	5.8*				

RH 8.5/600 LC													
Stick	A B	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		max.	
		a	b	a	b	a	b	a	b	a	b	a	b
2.5 m	4.5 m	13.3*	13.3*	9.1*	9.1*	6.3	6.9*	4.5	5.6*				
	3.0 m	12.9*	12.9*	9.4	10.5*	6.2	7.5*	4.4	5.9*	2.9	4.8*		
	1.5 m	14.2*	14.2*	9.2	11.0*	6.1	7.9*	4.2	6.0*	2.8	4.8		
3.0 m	Ground level	14.8*	14.8*	9.0	11.0*	5.8	7.9*	3.9	6.0*	2.7	4.6*	2.6	3.8*
	1.5 m	17.3	18.0*	8.6	11.2*	5.5	8.0*	3.7	6.1*				
	3.0 m	17.3	17.8*	8.5	11.4*	5.3	7.9*	3.6	4.9*				
3.5 m	4.5 m	11.8*	11.8*	7.8*	7.8*	6.4	6.5*	4.5	5.4*	3.0	3.6*		
	3.0 m	14.0*	14.0*	9.4	10.0*	6.2	7.2*	4.4	5.7*	2.9	4.7*		
	1.5 m	14.1*	14.1*	9.2	10.9*	6.0	7.7*	4.2	5.9*	2.8	4.7*		
3.0 m	Ground level	16.0*	16.0*	9.1	10.9*	5.8	7.8*	4.0	5.9*	2.7	4.7	2.4	3.1*
	1.5 m	17.3	17.6*	8.6	11.0*	5.5	7.8*	3.7	6.0*	2.6	4.0*		
	3.0 m	17.1	17.9*	8.4	11.3*	5.3	8.0*	3.6	5.5*				
3.5 m	4.5 m			5.2*	5.2*	5.1*	5.1*	4.4	4.6*	3.0	3.6*		
	3.0 m	14.2*	14.2*	9.3*	9.3*	6.1	6.8*	4.3	5.4*	3.0	4.5*		
	1.5 m	13.8*	13.8*	9.1	10.5*	6.0	7.4*	4.3	5.7*	2.9	4.6*		
3.0 m	Ground level	15.1*	15.1*	9.0	10.7*	5.9	7.6*	4.0	5.8*	2.7	4.6*	2.1	2.4*
	1.5 m	16.9*	16.9*	8.6	10.8*	5.5	7.6*	3.7	5.8*	2.6	4.4*		
	3.0 m	16.9	17.7*	8.3	11.0*	5.3	7.8*	3.5	5.8*				

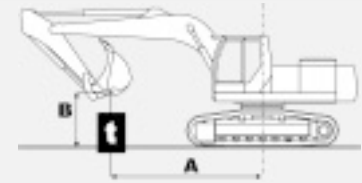
As per EN 474/5, hydraulic excavators in lifting operations must be equipped with anti-burst valves at the lift cylinders and an overload warning device.

Lift capacities RH 9.5

Adjustable boom 3.20 m/3.50 m Backhoe 1.05 m³ SAE

As per ISO 10567, the specified values represent 75 percent of the static tipping loads or 87 percent of the hydraulic lift capacity. These values apply with booster activated:

- a Total slewing range 360°
- b Longitudinal direction +/-15°
- * Limited by hydraulic system



RH 9.5/600 NLC														
Stick	A	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		max.		
		a	b	a	b	a	b	a	b	a	b	a	b	
4.5 m	B	16.1*	16.1*	10.2	11.4*	6.6	8.2*	4.6	6.5*	3.0	4.7*			
		3.0 m	15.2*	15.2*	9.9	13.1*	6.5	9.2*	4.4	7.0*	2.9	5.4		
		1.5 m	11.6*	11.6*	9.5	13.5*	6.1	9.8*	4.2	7.2	2.8	5.3		
2.6 m	Ground level	12.4*	12.4*	8.8	13.7*	5.7	9.8*	4.0	7.3	2.7	5.2	2.4	2.9*	
		1.5 m	16.3*	16.3*	8.5	13.9*	5.5	9.9*	3.8	7.1	2.7	4.8*		
		3.0 m	16.8	21.6*	8.4	14.0*	5.4	10.1*	3.7	6.8*				
4.5 m	B	16.1*	16.1*	10.3	10.4*	6.6	7.7*	4.6	6.2*	3.0	4.6*			
		3.0 m	15.9*	15.9*	9.8	12.5*	6.4	8.7*	4.5	6.7*	3.0	5.3*		
		1.5 m	16.8*	16.8*	9.6	13.5*	6.1	9.6*	4.2	7.1	2.8	5.3		
3.1 m	Ground level	13.9*	13.9*	8.9	13.5*	5.7	9.7*	4.0	7.1	2.7	5.2	2.1	2.3*	
		1.5 m	16.0*	16.0*	8.4	13.6*	5.4	9.7*	3.8	7.1	2.6	5.0		
		3.0 m	16.5	19.6*	8.3	13.9*	5.3	10.0*	3.6	6.9				
4.5 m	B	16.1*	16.1*	6.4*	6.4*	6.3*	6.3*	4.6	5.6*	3.1	4.3*			
		3.0 m	17.0*	17.0*	9.8	11.6*	6.3	8.1*	4.5	6.2*	3.0	5.0*		
		1.5 m	16.0*	16.0*	9.5	13.0*	6.2	9.1*	4.2	6.8*	2.9	5.3		
3.7 m	Ground level	15.1*	15.1*	9.0	13.3*	5.7	9.5*	3.9	6.9	2.7	5.1	1.6*	1.6*	
		1.5 m	15.2*	15.2*	8.4	13.3*	5.4	9.5*	3.7	7.0	2.6	5.0		
		3.0 m	16.3	17.7*	8.1	13.6*	5.2	9.7*	3.6	6.8	2.5	4.8*		

RH 9.5/600 LC														
Stick	A	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		max.		
		a	b	a	b	a	b	a	b	a	b	a	b	
4.5 m	B	16.1*	16.1*	11.2*	11.4*	7.2	8.3*	5.1	6.5*	3.4	4.8*			
		3.0 m	15.2*	15.2*	10.8	13.1*	7.1	9.2*	5.0	7.0*	3.3	5.5		
		1.5 m	11.6*	11.6*	10.7	13.5*	6.8	9.8*	4.7	7.3	3.2	5.4		
2.6 m	Ground level	12.4*	12.4*	10.0	13.7*	6.4	9.8*	4.5	7.3	3.1	5.2	2.7	2.9*	
		1.5 m	16.3*	16.3*	9.6	13.8*	6.2	9.9*	4.3	7.2	3.0	4.8*		
		3.0 m	19.6	21.5*	9.5	13.9*	6.1	10.0*	4.2	6.8*				
4.5 m	B	16.1*	16.1*	10.4*	10.4*	7.2	7.7*	5.1	6.2*	3.4	4.6*			
		3.0 m	15.9*	15.9*	10.8	12.4*	7.0	8.7*	5.0	6.7*	3.4	5.3*		
		1.5 m	16.8*	16.8*	10.6	13.4*	6.9	9.5*	4.7	7.2	3.2	5.4		
3.1 m	Ground level	13.9*	13.9*	10.1	13.4*	6.4	9.6*	4.5	7.1	3.1	5.2	2.3*	2.3*	
		1.5 m	16.0*	16.0*	9.6	13.6*	6.1	9.7*	4.3	7.1	3.0	5.1		
		3.0 m	19.3	19.6*	9.4	13.8*	6.0	9.9*	4.1	7.0				
4.5 m	B	16.1*	16.1*	6.4*	6.4*	6.3*	6.3*	5.0	5.6*	3.5	4.4*			
		3.0 m	17.0*	17.0*	10.8	11.6*	6.9	8.1*	4.9	6.2*	3.4	5.0*		
		1.5 m	16.0*	16.0*	10.4	13.0*	6.8	9.1*	4.8	6.8*	3.3	5.3		
3.7 m	Ground level	15.1*	15.1*	10.2	13.2*	6.5	9.5*	4.5	7.0	3.1	5.2	1.6*	1.6*	
		1.5 m	15.2*	15.2*	9.6	13.3*	6.1	9.4*	4.2	7.1	2.9	5.1		
		3.0 m	17.7*	17.7*	9.3	13.5*	5.9	9.6*	4.1	6.9	2.8	4.8*		

As per EN 474/5, hydraulic excavators in lifting operations must be equipped with anti-burst valves at the lift cylinders and an overload warning device.

Mono boom					NLC undercarriage, 600 mm			LC undercarriage, 600 mm		
Bucket Type	SAE capacity m ³	CECE capacity m ³	Width mm	Weight kg	2.5 m	Stick 3.0 m	3.5 m	2.5 m	Stick 3.0 m	3.5 m
					Standard	0.73	0.64	750	740	●
Standard	1.03	0.90	1000	900	●	●	●	●	●	●
Standard	1.15	1.00	1100	950	●	●	●	●	●	●
Standard	1.27	1.11	1200	1000	●	●	●	●	●	●
Standard	1.40	1.22	1300	1050	●	●	●	●	●	●
Standard	1.51	1.33	1400	1100	●	●	■	●	●	■
Standard	1.63	1.43	1500	1160	●	■	■	●	■	■
Rock	0.73	0.64	750	830	●	●	●	●	●	●
Rock	1.03	0.90	1000	990	●	●	●	●	●	●
Rock	1.15	1.00	1100	1060	●	●	●	●	●	●
Rock	1.27	1.11	1200	1120	●	●	●	●	●	●
Rock	1.40	1.22	1300	1180	●	●	■	●	●	■
Rock	1.51	1.33	1400	1240	●	●	■	●	●	■
Rock	1.63	1.43	1500	1310	●	■	▲	●	■	▲

Adjustable boom					NLC undercarriage, 600 mm			LC undercarriage, 600 mm		
Bucket Type	SAE capacity m ³	CECE capacity m ³	Width mm	Weight kg	2.5 m	Stick 3.0 m	3.5 m	2.5 m	Stick 3.0 m	3.5 m
					Standard	0.73	0.64	750	740	●
Standard	1.03	0.90	1000	900	●	●	●	●	●	●
Standard	1.15	1.00	1100	950	●	●	●	●	●	●
Standard	1.27	1.11	1200	1000	●	●	■	●	●	●
Standard	1.40	1.22	1300	1050	●	■	▲	●	●	■
Standard	1.51	1.33	1400	1100	■	■	▲	●	■	■
Standard	1.63	1.43	1500	1160	■	▲	▲	■	■	▲
Rock	0.73	0.64	750	830	●	●	●	●	●	●
Rock	1.03	0.90	1000	990	●	●	●	●	●	●
Rock	1.15	1.00	1100	1060	●	●	■	●	●	●
Rock	1.27	1.11	1200	1120	●	●	■	●	●	●
Rock	1.40	1.22	1300	1180	■	■	▲	●	●	■
Rock	1.51	1.33	1400	1240	■	▲	▲	●	■	▲
Rock	1.63	1.43	1500	1310	▲	▲	—	■	■	▲

- Material density up to 1800 kg/m³
- Material density up to 1500 kg/m³
- ▲ Material density up to 1200 kg/m³
- not recommended

Further buckets on request

Mono boom					NLC undercarriage, 600 mm			LC undercarriage, 600 mm		
Bucket Type	SAE capacity m ³	CECE capacity m ³	Width mm	Weight kg	2.6 m	Stick 3.1 m	3.7 m	2.6 m	Stick 3.1 m	3.7 m
					Standard	0.73	0.64	750	740	●
Standard	1.03	0.90	1000	900	●	●	●	●	●	●
Standard	1.15	1.00	1100	950	●	●	■	●	●	■
Standard	1.40	1.22	1300	1050	●	●	▲	●	●	▲
Standard	1.51	1.33	1400	1100	●	■	—	●	■	—
Standard	1.63	1.43	1500	1160	●	■	—	●	■	—
Standard	1.76	1.55	1600	1220	■	▲	—	■	▲	—
Rock	0.73	0.64	750	830	●	●	●	●	●	●
Rock	1.03	0.90	1000	990	●	●	■	●	●	■
Rock	1.15	1.00	1100	1060	●	●	■	●	●	■
Rock	1.40	1.22	1300	1180	●	■	—	●	■	—
Rock	1.51	1.33	1400	1240	●	■	—	●	■	—
Rock	1.63	1.43	1500	1310	●	▲	—	●	▲	—
Rock	1.76	1.55	1600	1370	■	▲	—	■	▲	—

Adjustable boom					NLC undercarriage, 600 mm			LC undercarriage, 600 mm		
Bucket Type	SAE capacity m ³	CECE capacity m ³	Width mm	Weight kg	2.6 m	Stick 3.1 m	3.7 m	2.6 m	Stick 3.1 m	3.7 m
					Standard	0.73	0.64	750	740	●
Standard	1.03	0.90	1000	900	●	●	■	●	●	■
Standard	1.15	1.00	1100	950	●	●	■	●	●	■
Standard	1.40	1.22	1300	1050	●	■	—	●	■	—
Standard	1.51	1.33	1400	1100	■	■	—	●	■	—
Standard	1.63	1.43	1500	1160	■	▲	—	●	▲	—
Standard	1.76	1.55	1600	1220	▲	▲	—	■	▲	—
Rock	0.73	0.64	750	830	●	●	●	●	●	●
Rock	1.03	0.90	1000	990	●	●	■	●	●	■
Rock	1.15	1.00	1100	1060	●	●	▲	●	●	▲
Rock	1.40	1.22	1300	1180	●	■	—	●	■	—
Rock	1.51	1.33	1400	1240	■	■	—	●	■	—
Rock	1.63	1.43	1500	1310	■	▲	—	●	●	—
Rock	1.76	1.55	1600	1370	▲	—	—	■	—	—

- Material density up to 1800 kg/m³
- Material density up to 1500 kg/m³
- ▲ Material density up to 1200 kg/m³
- not recommended

Further buckets on request

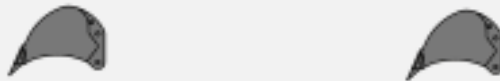
Attachments

Overall dimensions and weights RH 8.5



		Monoboam	Adjustable boom		Stick		
			Lower section	Upper section			
System length	m	6.00	3.15	3,40	2.50	3.00	3.50
Weight	kg	1995	1380	1500	800	900	1200
Linkage	kg	-			250	250	250
Cylinder	kg	240	182	240	175	175	175

Trenching buckets

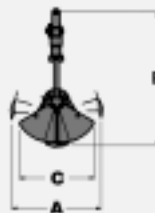


		Backhoe					Rock backhoe				
Content (CECE)	m³	0.64	0.90	1.11	1.33	1.43	0.64	0.90	1.11	1.33	1.43
Content (SAE)	m³	0.73	1.03	1.27	1.51	1.63	0.73	1.03	1.27	1.51	1.63
Width	mm	750	1000	1200	1400	1500	750	1000	1200	1400	1500
Weight	kg	740	900	1000	1100	1160	830	990	1120	1240	1310

Further buckets on request

Grab

Content (CECE)	m³	0.5	0.6
Width	mm	900	900
Weight	kg	785	820
A	m	1.85	1.84
B	m	2.72	2.85
C	m	1.44	1.45



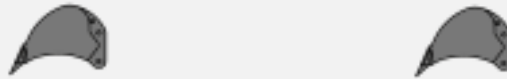
Attachments

Overall dimensions and weights RH 9.5



		Monoboam	Adjustable boom		Stick		
			Lower section	Upper section			
System length	m	6.30	3.20	3.50	2.60	3.10	3.70
Weight	kg	2330	1540	1510	920	1070	1250
Linkage	kg	-			290	290	290
Cylinder	kg	310	182	310	210	210	210

Trenching buckets

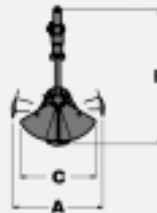


		Backhoe					Rock backhoe			
Content (CECE)	m³	0.65	0.90	1.20	1.45	1.55	0.65	0.90	1.20	1.45
Content (SAE)	m³	0.75	1.05	1.40	1.65	1.80	0.75	1.05	1.40	1.65
Width	mm	750	1000	1300	1500	1600	750	1000	1300	1500
Weight	kg	740	900	1050	1160	1220	830	990	1180	1310

Further buckets on request

Grab

Content (CECE)	m³	0.5	0.6
Width	mm	900	900
Weight	kg	785	820
A	m	1.85	1.84
B	m	2.72	2.85
C	m	1.44	1.45



Productivity up – service costs down



O&K Orenstein & Koppel AG
Staakener Str. 53-63
D-13581 Berlin
E-Mail: info@orenstein-koppel.com
<http://www.orenstein-koppel.com>