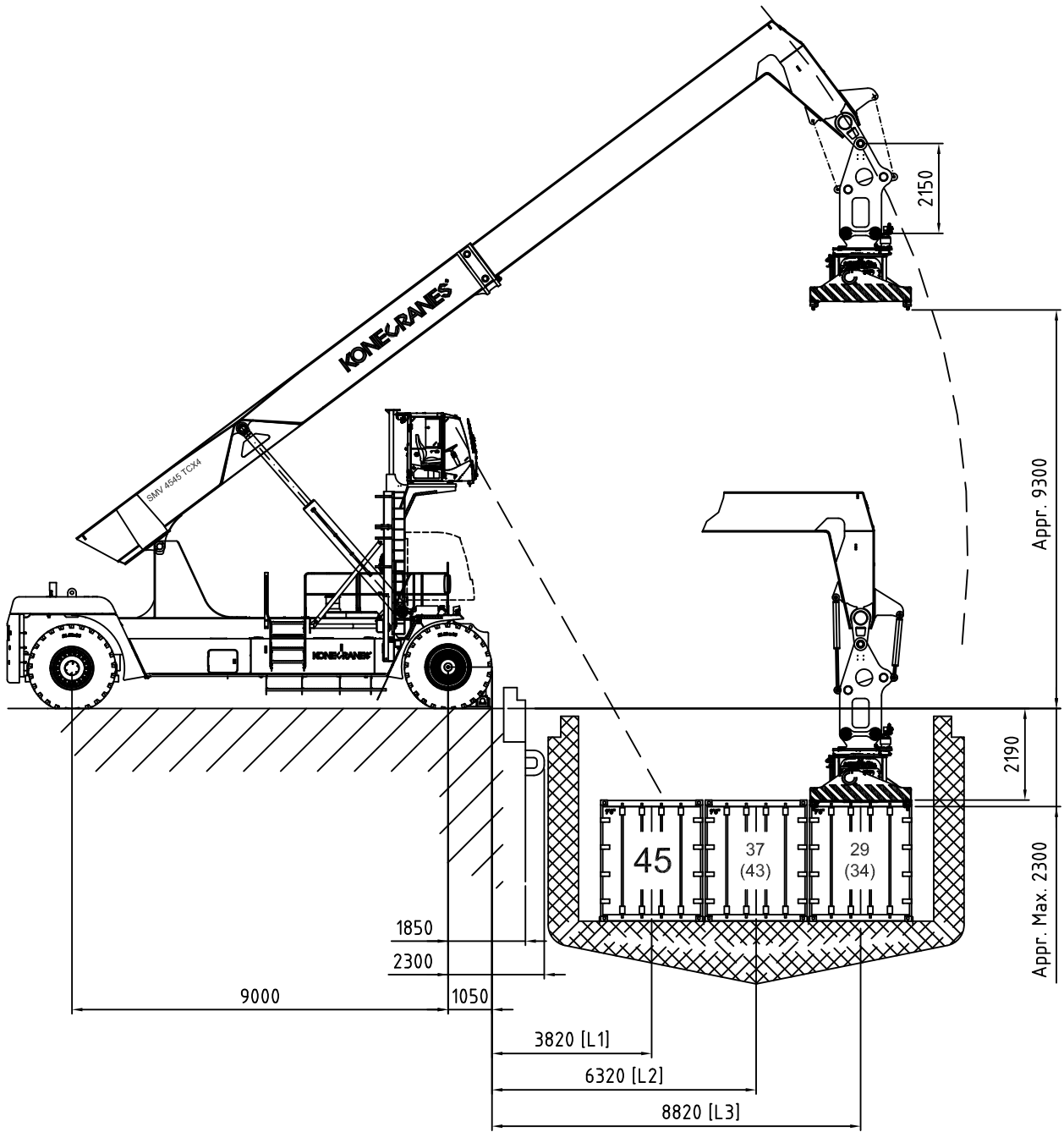
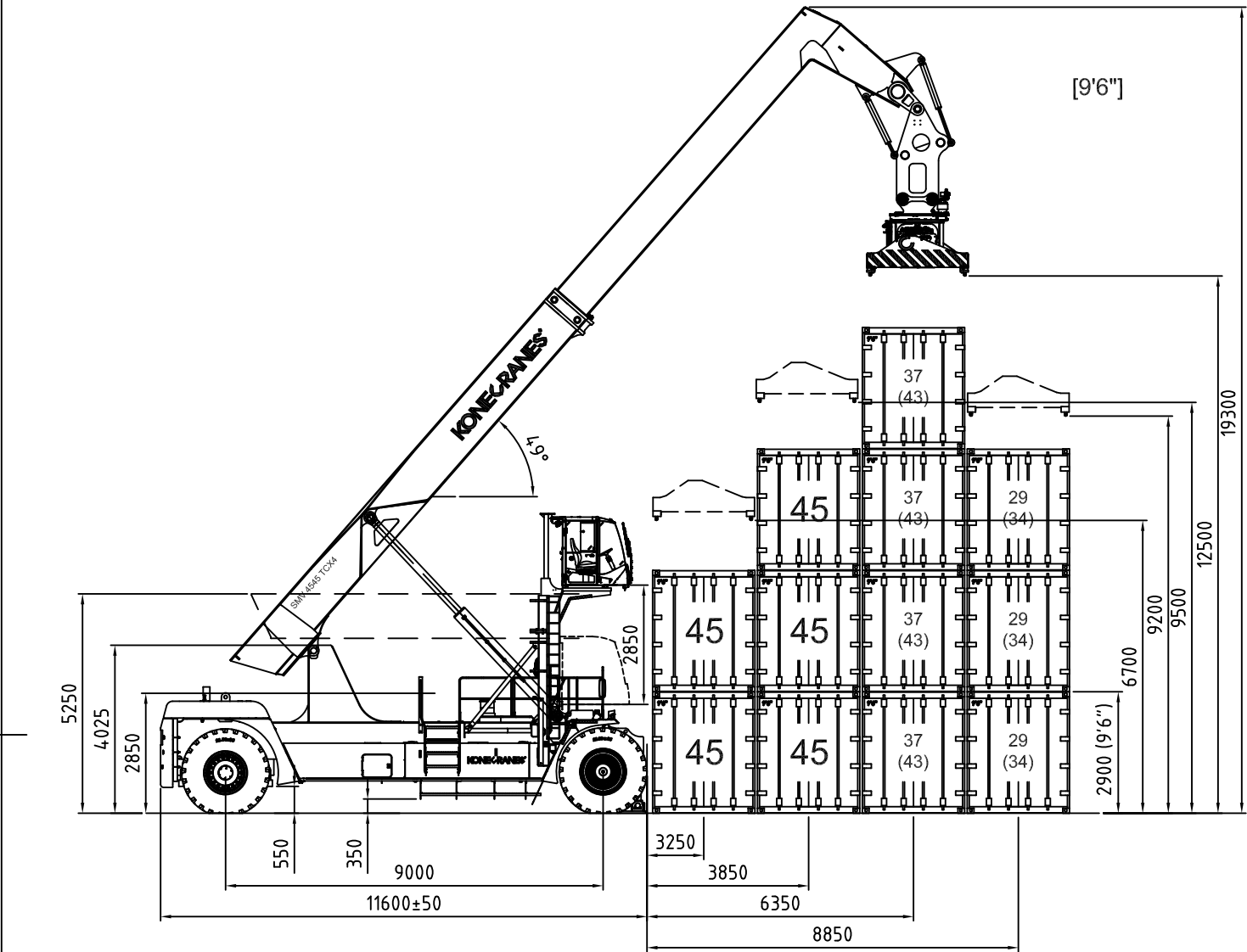


TECHNICAL DATA : SMV 4545 TCX4 BH

LIFTING DATA		
Lift capacities (at load center LC1 / LC2 / LC3 / LC4)	kg	45 000 / 45 000 / 37 000 (43t) / 29000 (33t)
Lift capacities (at load center LC1 / LC2 / LC3 / LC4 at max lifting height)	kg	45 000 / 45 000 / 37 000 (43t) / 29000 (33t)
Load centers (LC1 / LC2 / LC3 / LC4)	mm	3 250 / 3 850 / 6 350 / 8 850
Lifting speed, unloaded / at 40 % load / at rated load	m/s	0,38 / 0,35 / 0,23
Lowering speed, unloaded / at rated load	m/s	0,25 / 0,35
DRIVING DATA		
Drive speed forward, unloaded / at rated load	km/h	24 / 21
Drive speed reverse, unloaded / at rated load	km/h	18 / 17
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	28 / 21
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	320 / 245
SERVICE WEIGHT / AXLE PRESSURE		
Service weight	kg	115 500
Axle pressure front at load center LC1, unloaded / at rated load	kg	56 900 / 123 400 (55 500 / 116 500)
Axle pressure front at load center LC2, unloaded / at rated load	kg	58 400 / 127 900 (56 900 / 120 600)
Axle pressure front at load center LC3, unloaded / at rated load	kg	64 300 / 131 800 (62 300 / 134 100)
Axle pressure front at load center LC4, unloaded / at rated load	kg	70 200 / 131 100 (67 700 / 131 200)
Axle pressure rear at load center LC1, unloaded / at rated load	kg	58 600 / 37 100 (60 000 / 44000)
Axle pressure rear at load center LC2, unloaded / at rated load	kg	57 100 / 32 600 (58 600 / 39 900)
Axle pressure rear at load center LC3, unloaded / at rated load	kg	51 200 / 20 700 (53 200 / 24 400)
Axle pressure rear at load center LC4, unloaded / at rated load	kg	45 300 / 13 400 (47 800 / 17 300)
Axle pressure in driving position, front/rear (at rated load)	kg	110 400 / 50 100
ENGINE (electronic controlled)		
Engine make / model name		Volvo TAD-1371-VE
Emission approval EU / US		Stage 4 / Tier 4f
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel / 4-stroke / yes
Power ISO 3046 / max speed	kW / rpm	285 / 1 900
Torque ISO 3046 / at speed	Nm / rpm	1 965 / 1 265
Displacement / No. of cylinders / type	L	12,8 / 6 / Inline
Fuel consumption, normal driving	L/h	15 – 18
Alternator, type/power / capacity	/ W / Amp	AC / 3 080 / 110
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
TRANSMISSION (electronic controlled)		
Transmission make / model / amount of gears (forward /reverse)		Dana TE-30 / 5 + 3 gears
Monitoring / reverse protection / CanBus / Clutch, type		Yes / yes / yes / Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
DRIVE AXLE & BRAKE SYSTEM		
Drive axle make / model name		Kessler D111
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 4 160
Driving brake system, type / affected wheels		Oil cooled Wet Disc Brakes / drive wheels
Parking brake system, type / affected wheels		Dry disc brake / spring release / drive wheels
STEER AXLE & STEER SYSTEM		
Steer axle type / steering system		Double acting cylinder / hydraulic servo assisted
WHEELS		
Number of wheels, front + rear / type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	1,0 / 1,0
Tire dimensions (Ply rating) front / rear	Inch (No)	21.00 x 35" (PR 40) / 21.00 x 35" (PR 40)
Rim dimension front / rear	Inch	15.00 x 35" / 15.00 x 35"
HYDRAULIC SYSTEM		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy / Separate oil tanks		Yes / yes / hydraulics & brakes
Hydraulic oil pressure mast / spreader	MPa / MPa	25 / 15
TANK VOLUMES		
Diesel tank volume	L	700
Hydraulic tank volume	L	950
LIFT EQUIPMENT & SPREADER		
Spreader make / type		ELME 817-MPS / Toplift (container)
Spreader functions		20-40 ft containers
Spreader locking containers / lifting eyes		4 x top twist locks / 4 x in corners
Sideshift stroke / rotation / pile slope type (pile slope stroke)	mm / deg /	± 800 / +195 -105 / Manual MPS / (± 2,0)
OTHERS		
Safety, Monitoring & overload system / programmable / colour		Electronic system EMC / yes / yes
Manual sliding cabin / stroke	/ mm	Yes / 1 800
Noise level (inside Cab / Lm)	DIN 45635	dB(A) 66
Noise level (inside Cab/ LpAZ)	EN 12053	dB(A) 75
Noise level (outside at 7 m/ Lwa)	2005/88/EC	dB(A) 111
NORMS & STANDARDS		
Machine Directive in Europe	2006 / 42 / EC	Yes
Stability of Container Handling Trucks	ISO 13562	Yes
Safety of Industrial trucks	EN 1459:1998	Yes

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() : SUPPORT DWN

Specification SMV4545TCX4 BH:
- ELME817NG, Barge handler version.
- Negative LH, max -2300 mm.
- Vertical Cabin LH2850 mm.

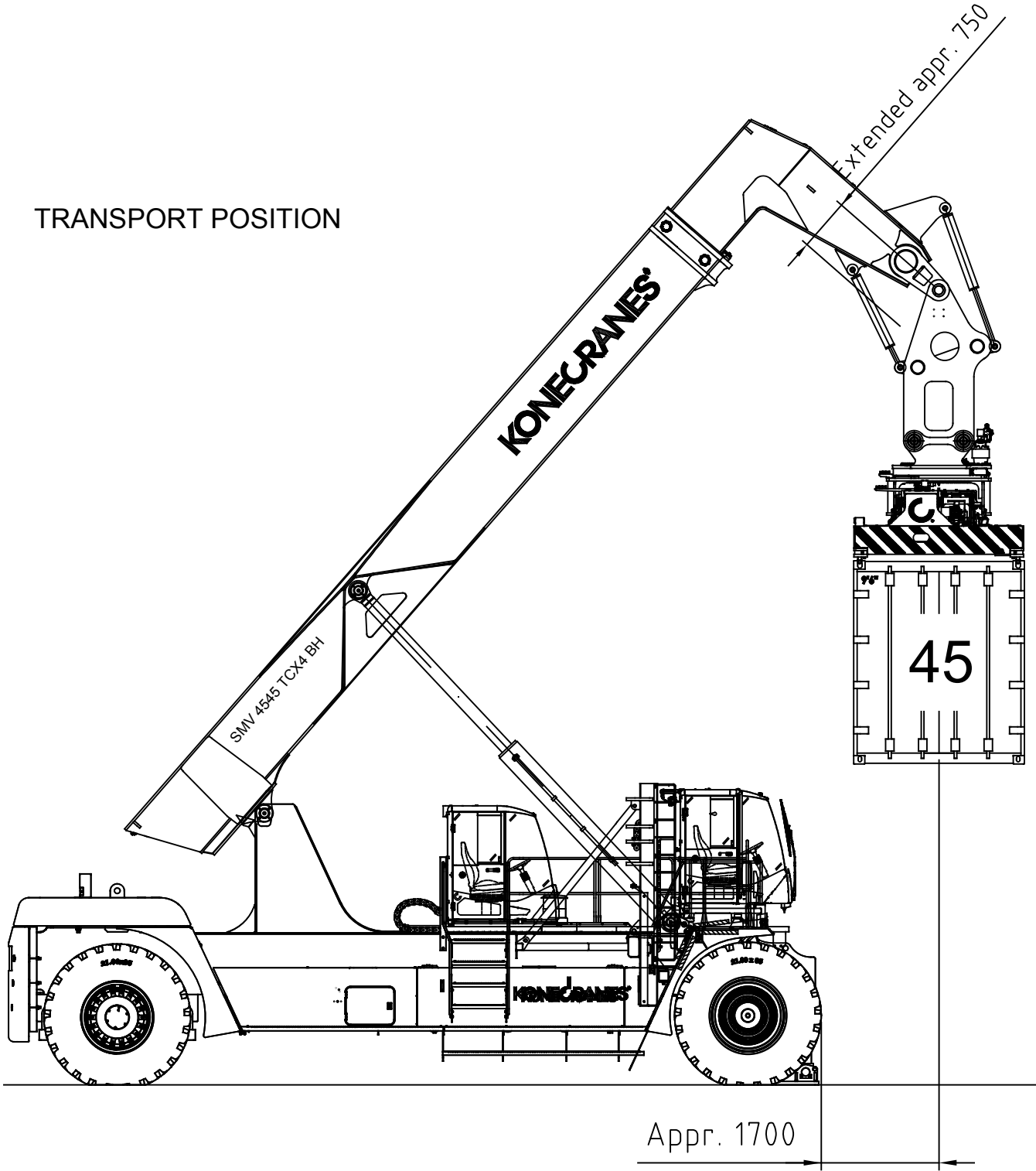
Pos.	No.	Name				Material		Part no	
View E		Sharp edges broken		Designed by RP	Drawn by RP	Appr. by RP	Date 190115	Scale 1:120	Replace no.
KONECRANES		Name SMV4545TCX4 BH SPEC. WB9000 VERTICAL CABIN LH2850mm						Weight, kg	Replaced by no.
								Drawing no 852292	Revision 1

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TRANSPORT POSITION



Ref.	No.	Revision not.	Date	Inf.	Sign.
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