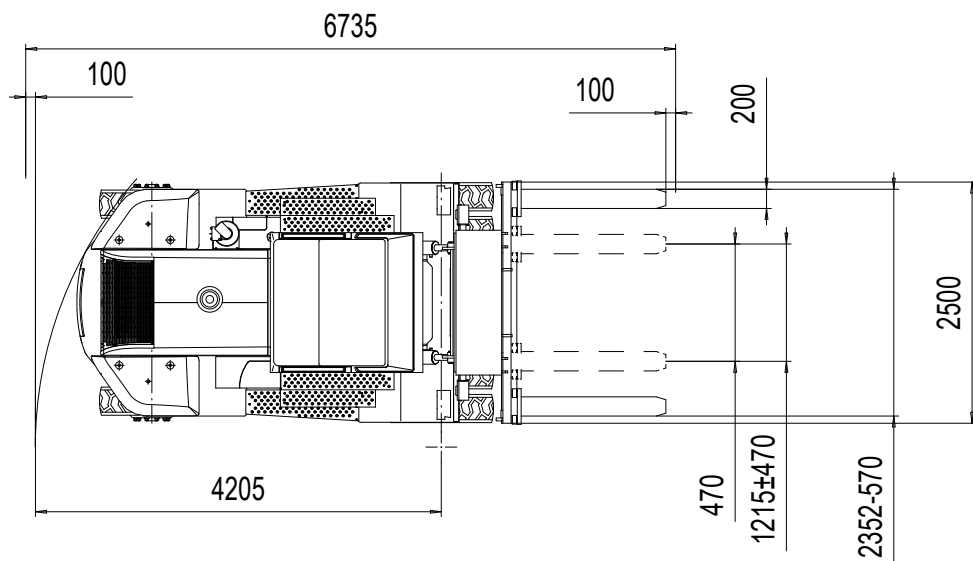
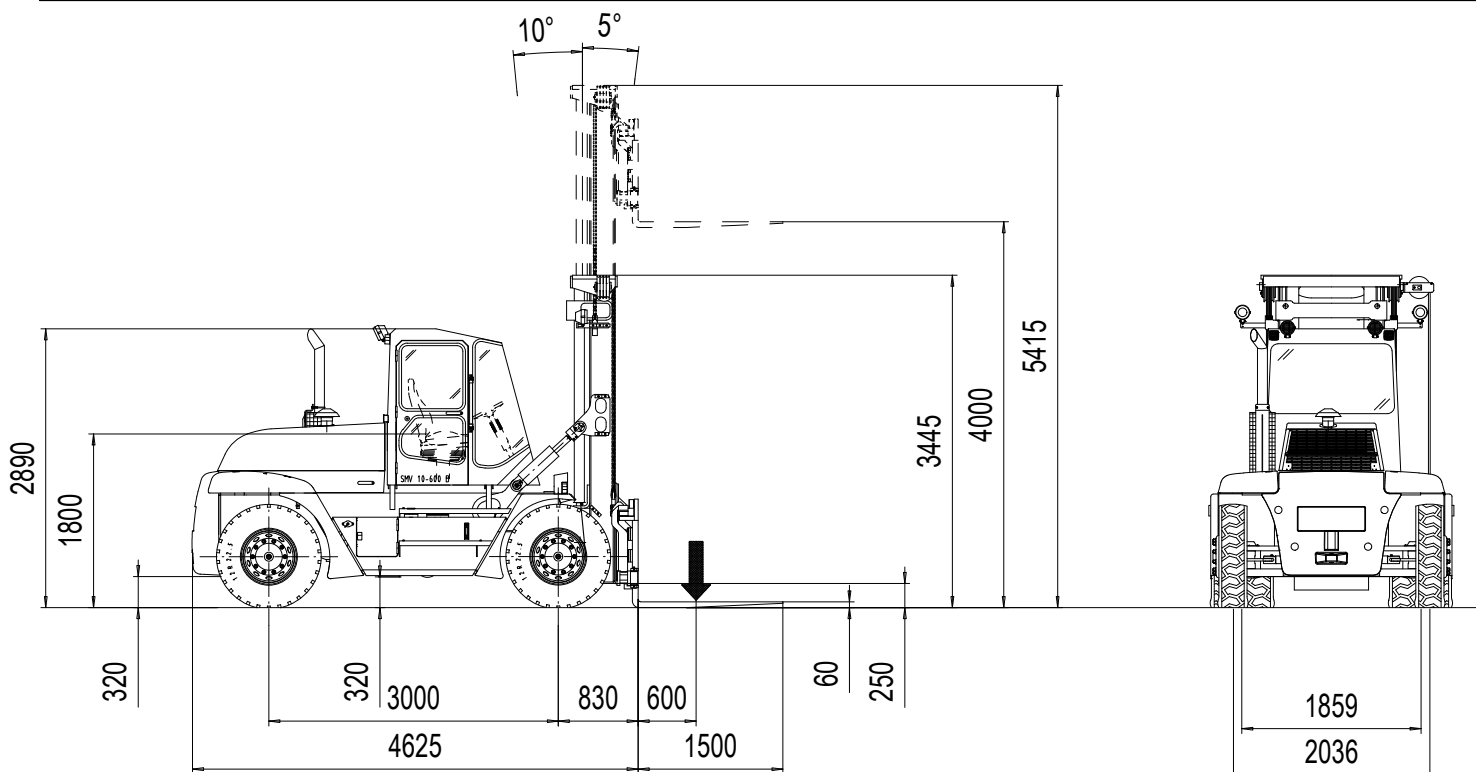


## TECHNICAL DATA : SMV 10-600 B

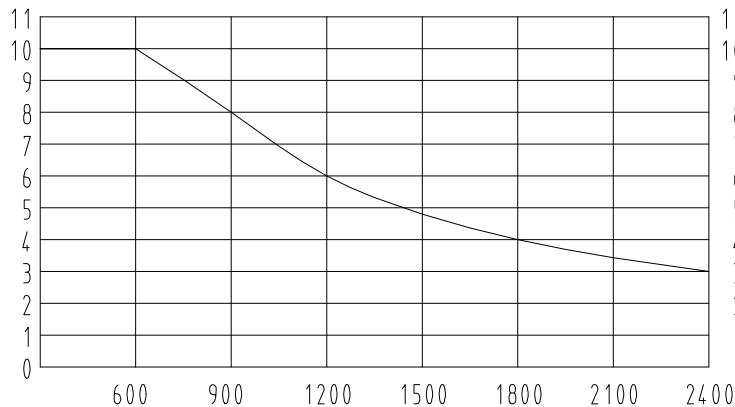
<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	10000 / 600
Lifting speed, unloaded / at rated load	m/s	0,50 / 0,45
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	44 / 35
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	108 / 86
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	14800
Axle pressure front, unloaded / at rated load	kg	7900 / 22600
Axle pressure rear, unloaded / at rated load	kg	6900 / 2200
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	6 – 8
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2500
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	11.00 x 20" (PR 20) / 11.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	22
<b>TANK VOLUMES</b>		
Diesel tank volume	L	131
Hydraulic tank volume	L	152
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 10-600 B



SMV 10-600B

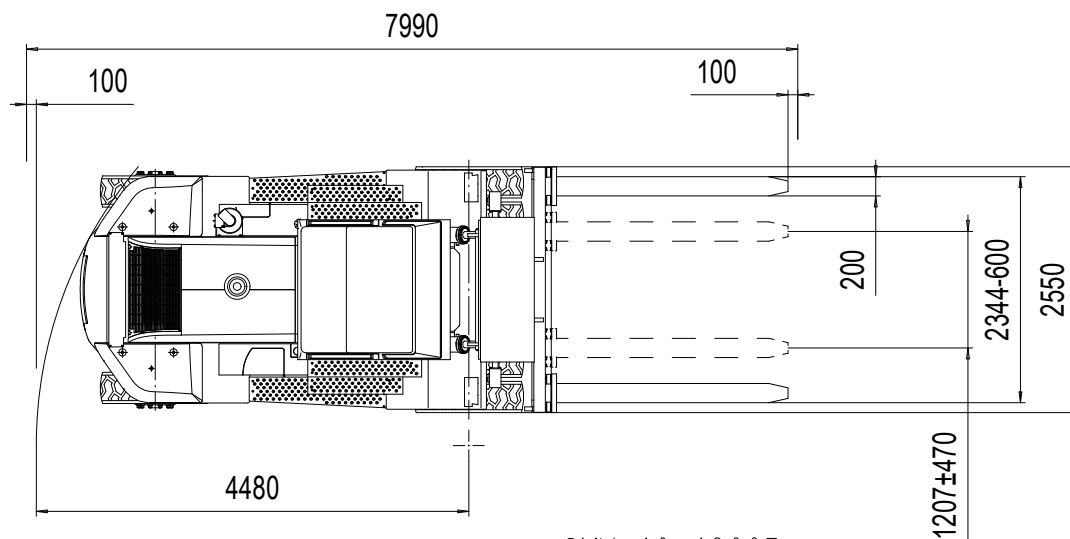
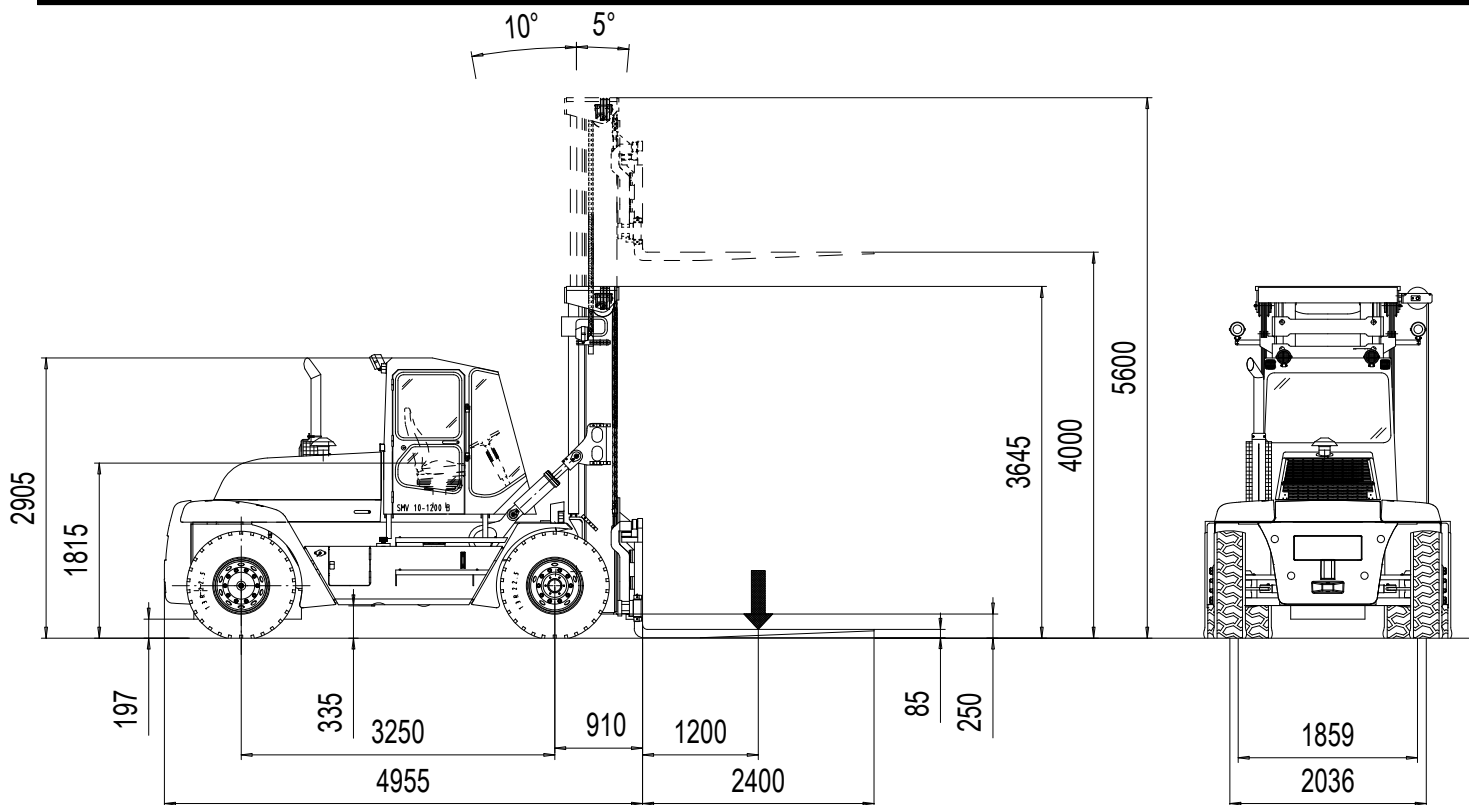


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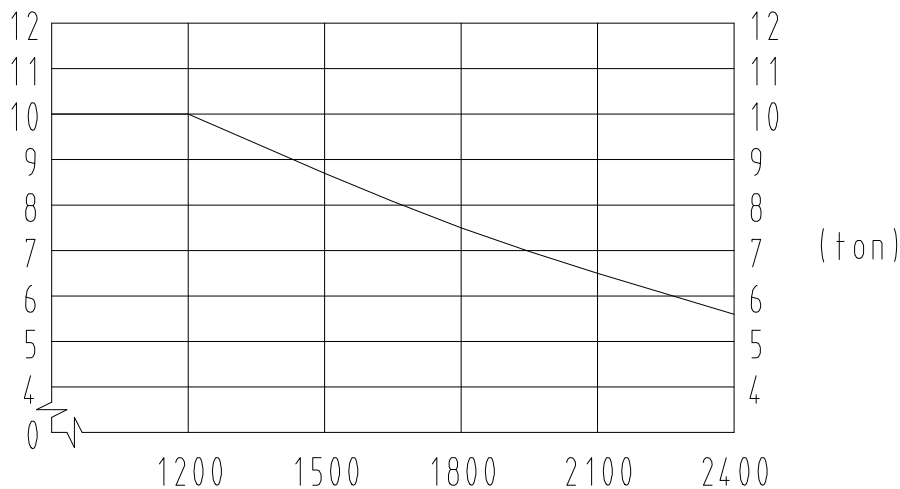
<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	10000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,50 / 0,45
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	37 / 30
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	107 / 85
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	18900
Axle pressure front, unloaded / at rated load	kg	10400 / 26900
Axle pressure rear, unloaded / at rated load	kg	8500 / 2000
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St IIa / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	8 – 10
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2550
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	11.00 x 20" (PR 20) / 11.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	23
<b>TANK VOLUMES</b>		
Diesel tank volume	L	168
Hydraulic tank volume	L	192
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 10-1200 B



SMV 10-1200B

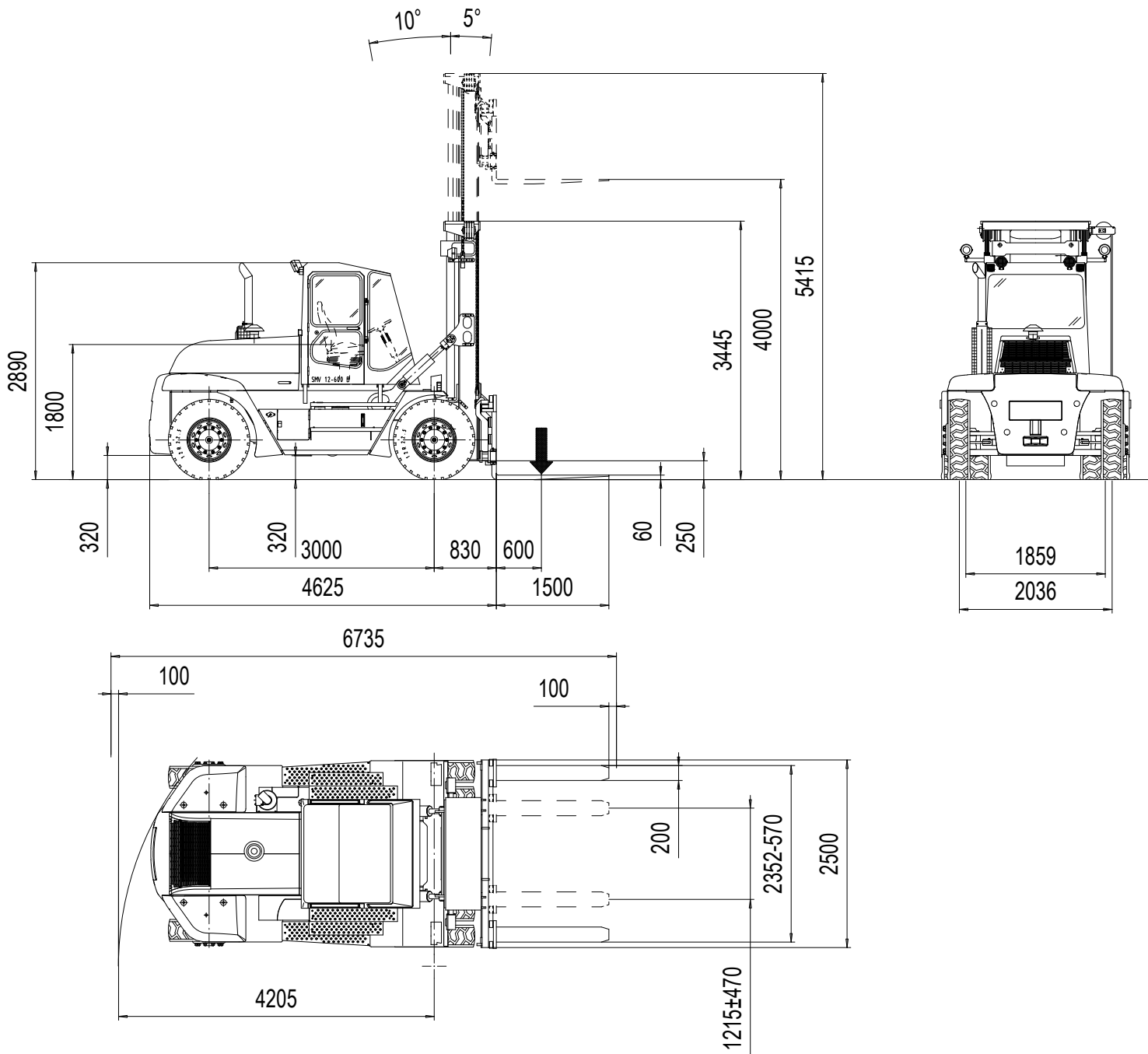


## TECHNICAL DATA : SMV 12-600 B

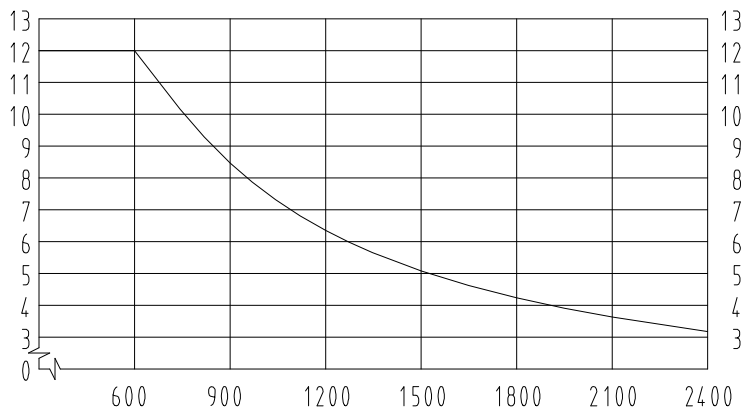
<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	12000 / 600
Lifting speed, unloaded / at rated load	m/s	0,50 / 0,45
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	40 / 32
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	108 / 86
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	15200
Axle pressure front, unloaded / at rated load	kg	7900 / 25600
Axle pressure rear, unloaded / at rated load	kg	7300 / 1600
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St IIa / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	6 – 8
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2500
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	11.00 x 20" (PR 20) / 11.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	25
<b>TANK VOLUMES</b>		
Diesel tank volume	L	131
Hydraulic tank volume	L	152
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 12-600 B



SMV 12-600B

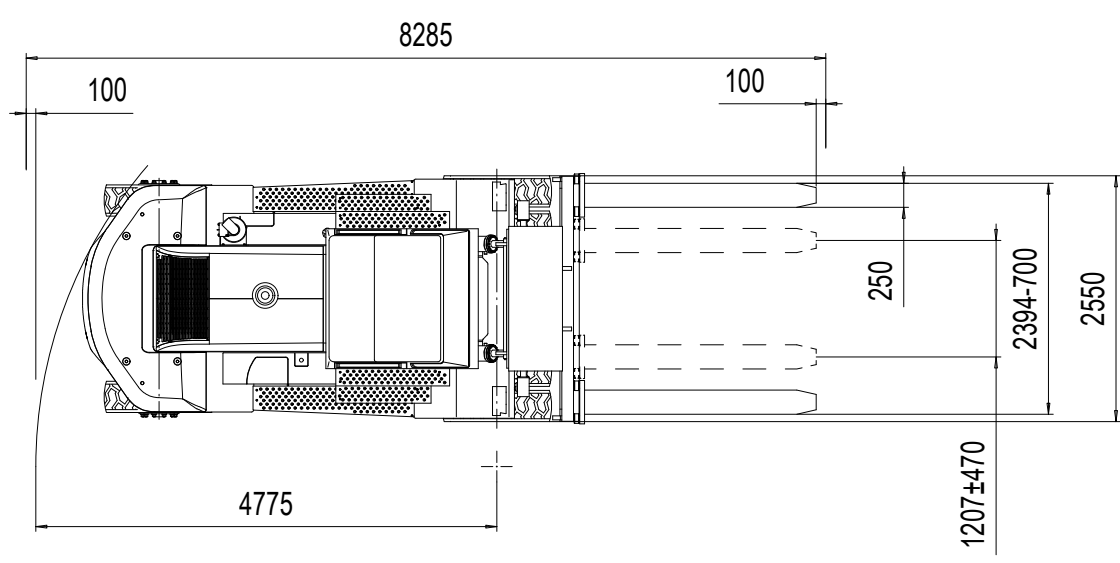
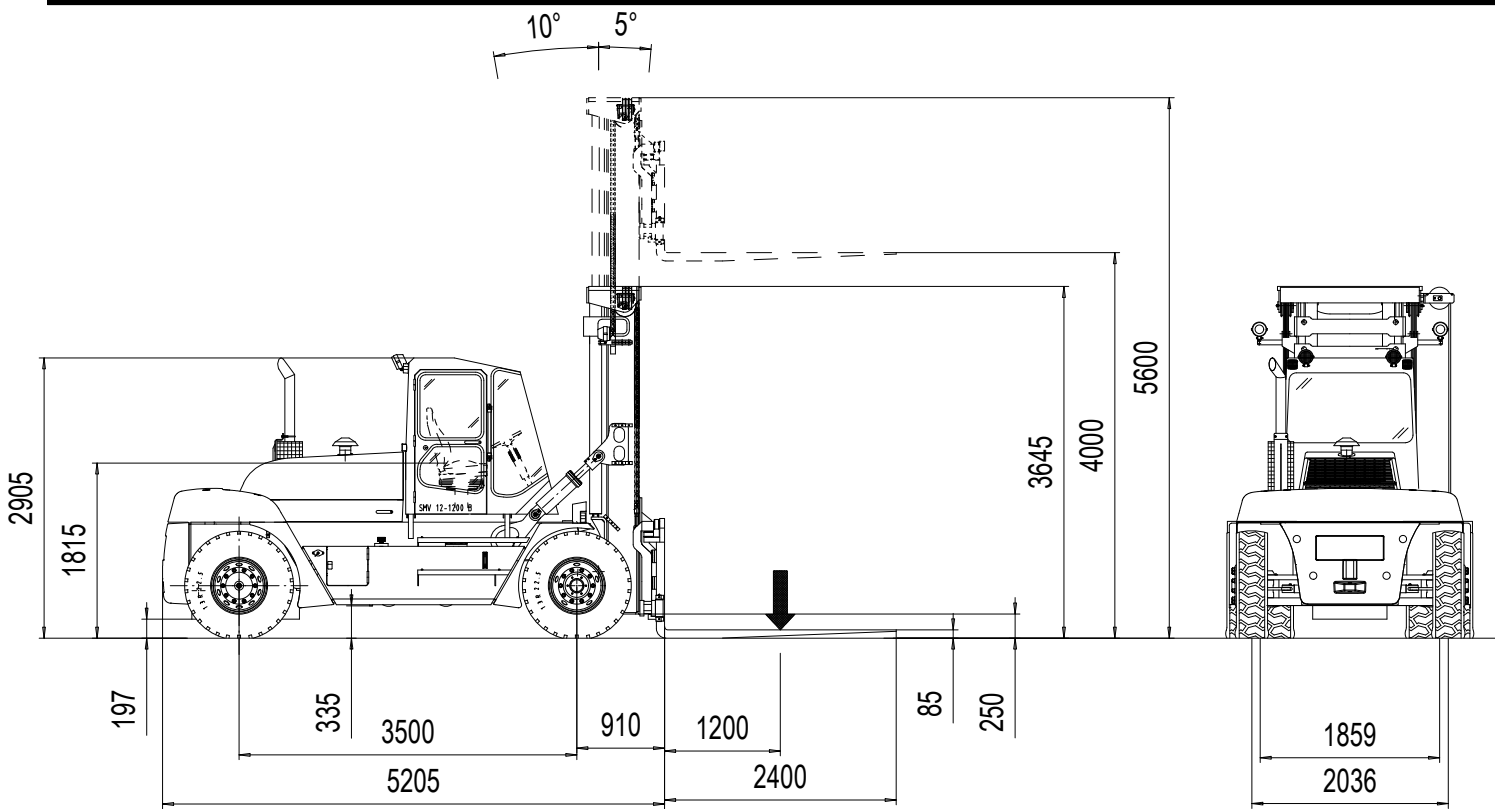


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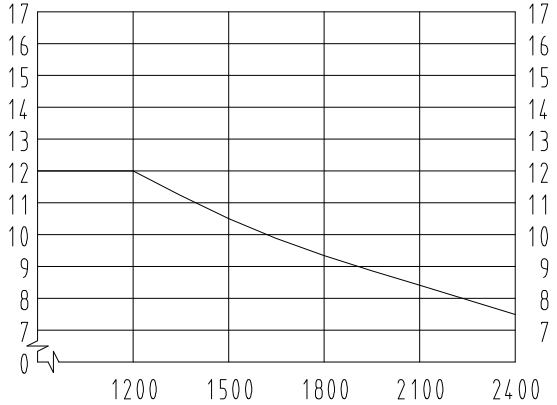
<b>LIFTING DATA</b> Lifting capacity / Load center (up to 7000 mm / standard mast) Lifting speed, unloaded / at rated load Lowering speed, unloaded / at rated load	kg / mm m/s m/s	12000 / 1200 0,40 / 0,35 0,40 / 0,40
<b>DRIVING DATA</b> Drive speed forward, unloaded / at rated load Drive speed reverse, unloaded / at rated load Incline (driving ability) at rated load at 0 km/h/at 2 km/h Towing (power ability) at rated load at 0 km/h/at 2 km/h	km/h km/h % kN	30 / 30 30 / 30 34 / 27 107 / 85
<b>SERVICE WEIGHT / AXLE PRESSURE</b> Service weight Axle pressure front, unloaded / at rated load Axle pressure rear, unloaded / at rated load	kg kg kg	19900 10500 / 29800 9400 / 2200
<b>ENGINE (electronic controlled)</b> Engine make / model name Emission approval EU / US Monitoring / emission controlled / CanBus Fuel / type of engine / intercooler Power ISO 3046 / at speed Torque ISO 3046 / at speed Displacement / No. of cylinders / type Fuel consumption, normal driving Alternator, type/power Starting battery, voltage/capacity	kW / rpm Nm / rpm L / / L/h W / Amp V / Ah	Volvo TAD-620-VE St II / Tier 2 Yes / yes / yes Diesel/4-stroke/ yes 147 / 2300 700 / 1500 5,7 / 6-cyl / Inline 8 – 10 AC / 1540 / 55 2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b> Transmission make / model name Monitoring / reverse protection / CanBus Clutch, type Transmission type / type of shift gear No. of gears, forward/reverse		Dana TE-17300 Yes / yes / yes Torque converter Softshift – Powershift / Automatic 3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b> Drive axle make / model name Drive axle type / drive axle width Service brake system, type / affected wheels Parking brake system, type / affected wheels	/ mm	Kessler D81 Differential + hub reduction / 2550 Oil cooled Wet Disc Brakes / drive wheels Dry disc brake / spring release / drive wheels
<b>STEER AXLE &amp; STEER SYSTEM</b> Steer axle make / type Steering system		Konecranes / double acting single cylinder Hydraulic servo assisted / power steering
<b>WHEELS</b> Number of wheels, front+rear / Type (*driven) Tire pressure front / rear Tire dimensions (Ply rating) front / rear Rim dimension front / rear	MPa Inch (No) Inch	4*+2 / pneumatic 1,0 / 1,0 12.00 x 20" (PR 20) / 12.00 x 20" (PR 20) 8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b> Hydraulic pump make / model name Hydraulic system / pump type Power-on-demand / Low energy Hydraulic oil pressure mast	MPa	Parker & Hannifin / P2-series Load sensing system / variable piston pump Yes / yes 18
<b>TANK VOLUMES</b> Diesel tank volume Hydraulic tank volume	L L	206 227
<b>LIFTING EQUIPMENT</b> Lift mast make / model Lift mast type / design Fork carriage make / model Fork carriage type		Konecranes / Duplex standard 2-stage / free visibility Konecranes / integral double forks Hydraulic side shift & fork positioning
<b>OTHERS</b> Noise level (inside Cab / Lm) DIN 45635 Noise level (inside Cab/ LpAZ) EN 12053 Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A) dB(A) dB(A)	68 72 109
<b>NORMS &amp; STANDARDS</b> Machine Directive in Europe Stability of Industrial Trucks Safety of Industrial Trucks	98 / 37 EC ISO 1074 EN 1551	Yes Yes Yes

# TECHNICAL DATA

## SMV 12-1200 B



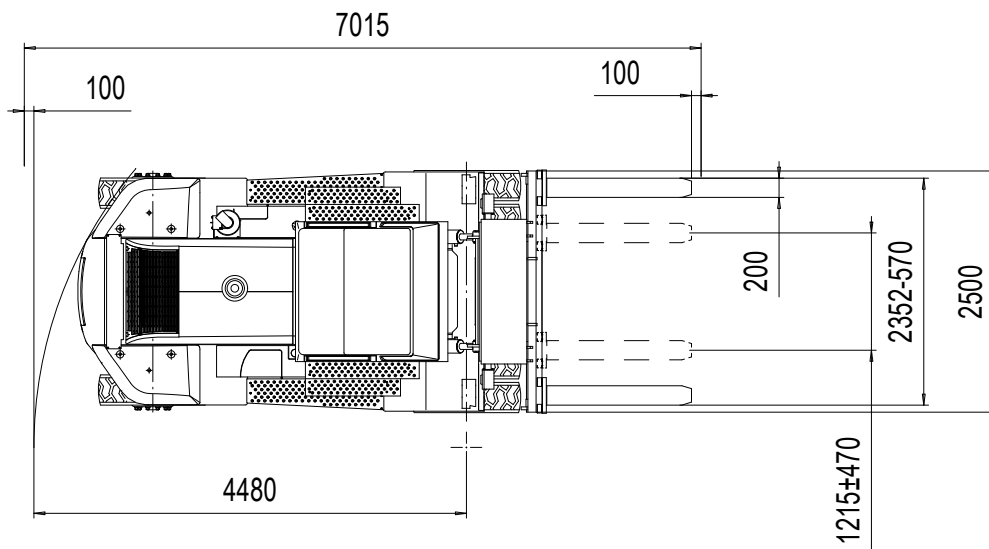
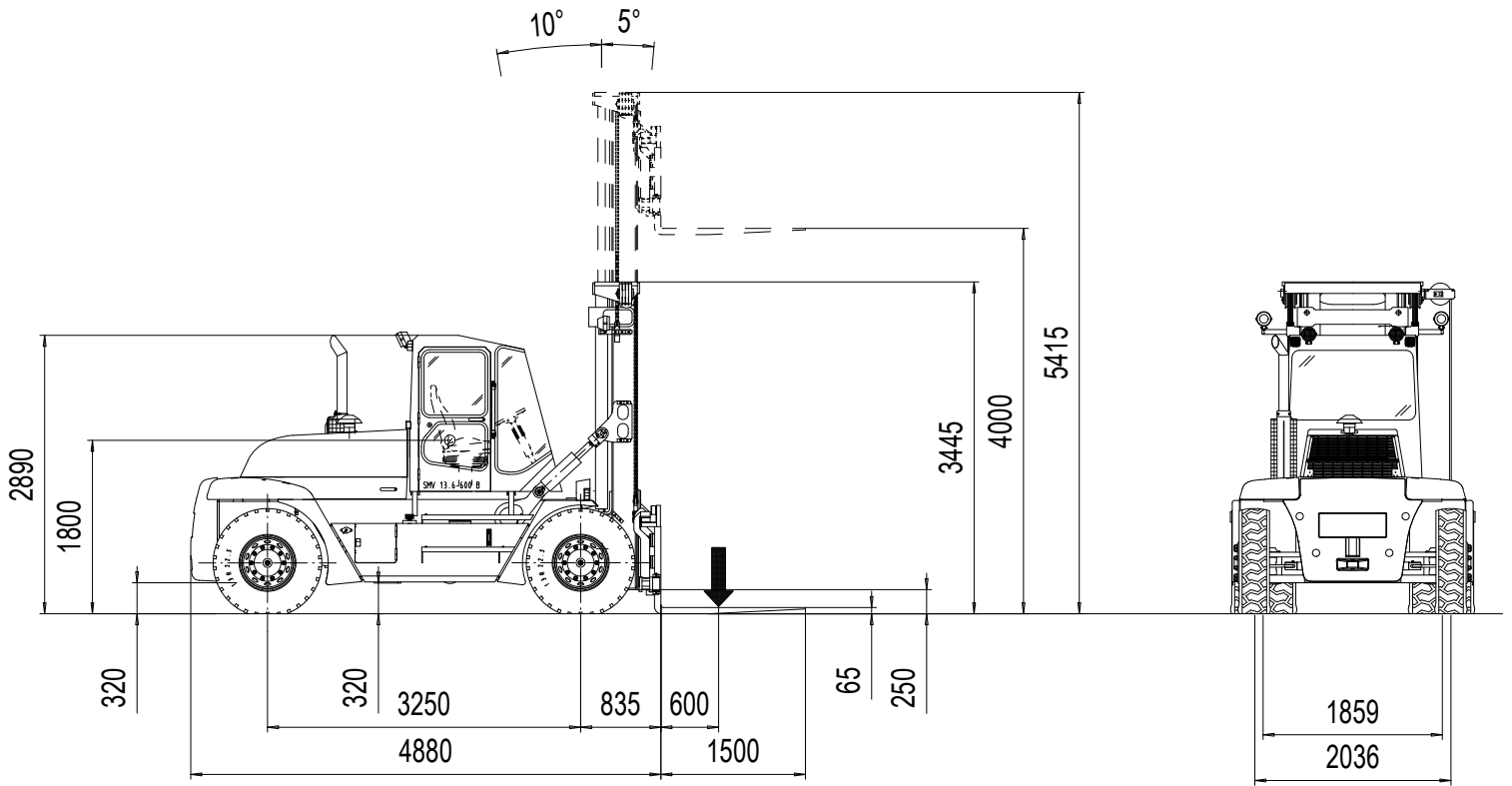
SMV 12-1200B



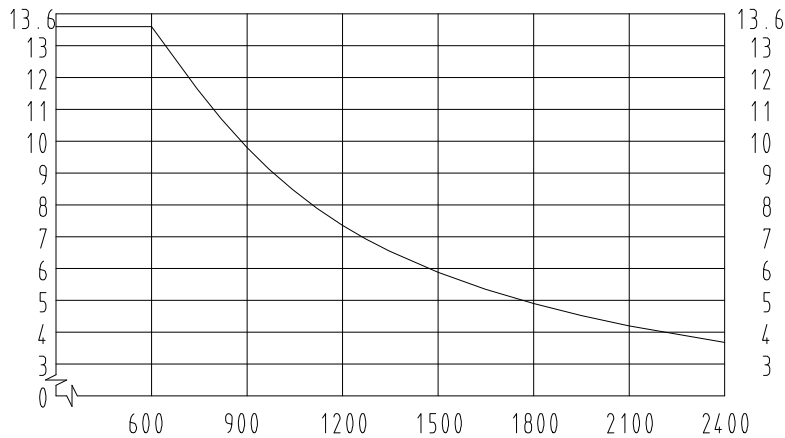


## TECHNICAL DATA : SMV 13.6-600 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	13600 / 600
Lifting speed, unloaded / at rated load	m/s	0,40 / 0,35
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	37 / 29
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	107 / 85
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	16100
Axle pressure front, unloaded / at rated load	kg	8300 / 27900
Axle pressure rear, unloaded / at rated load	kg	7800 / 1800
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	7 – 9
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2500
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	12.00 x 20" (PR 20) / 12.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	20
<b>TANK VOLUMES</b>		
Diesel tank volume	L	168
Hydraulic tank volume	L	192
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes



SMV 13.6-600B

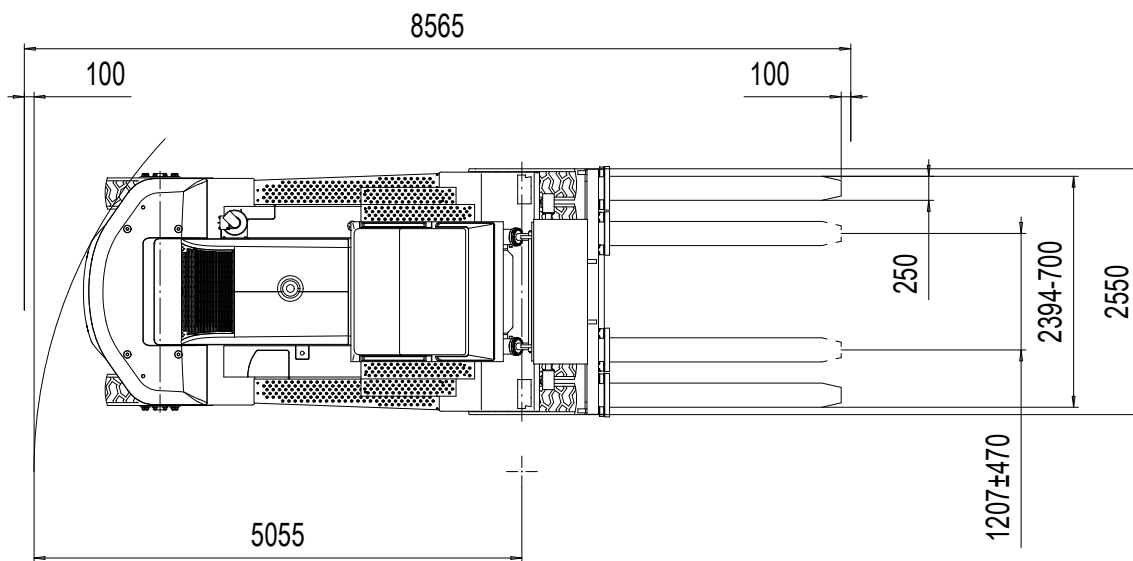
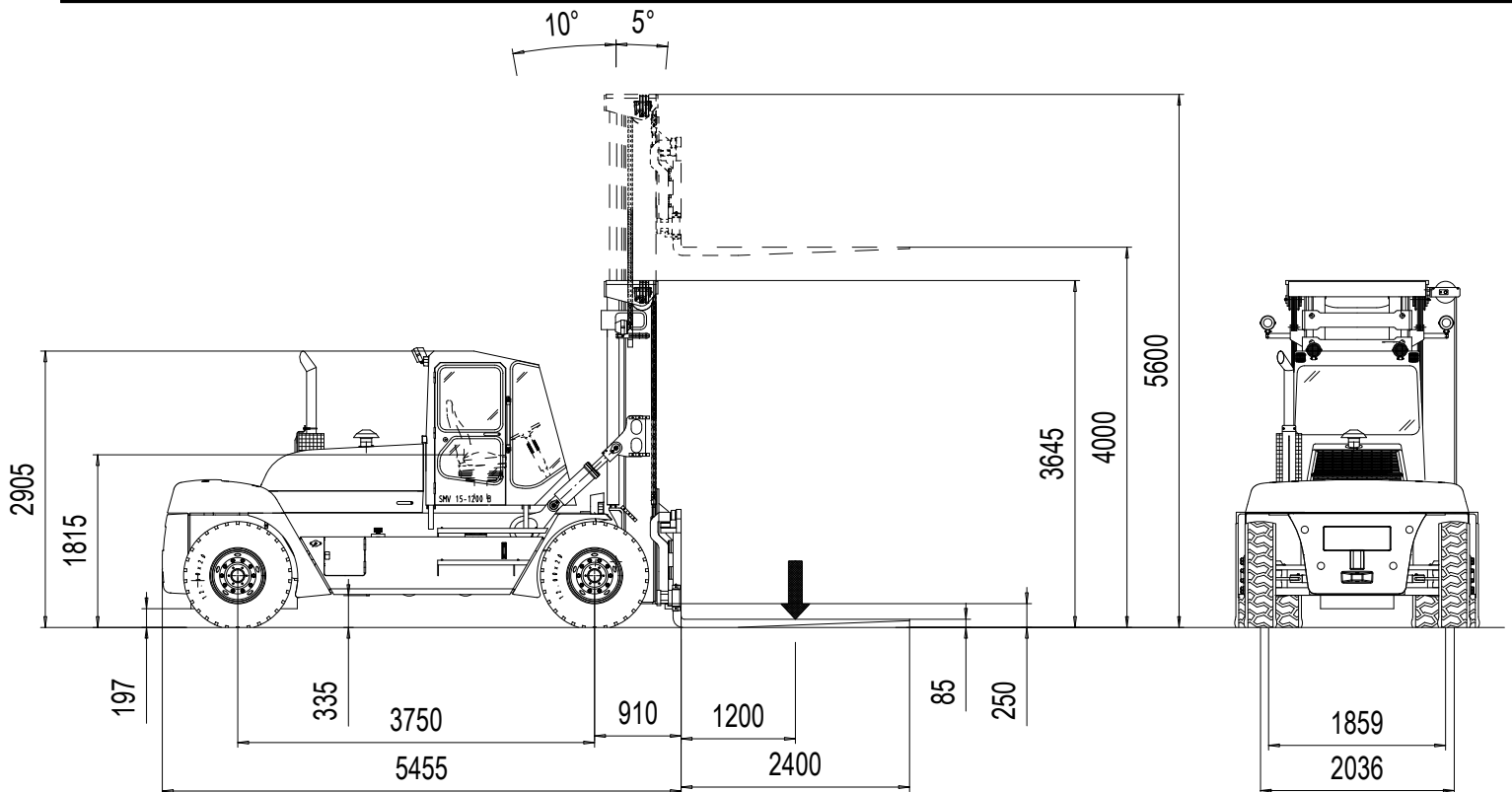


## TECHNICAL DATA : SMV 15-1200 B

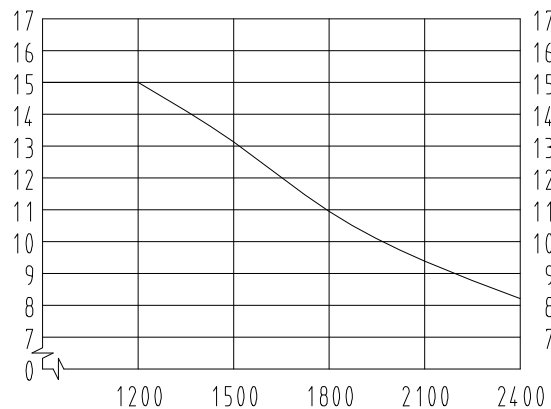
<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	15000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,40 / 0,35
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	29 / 23
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	107 / 85
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	21700
Axle pressure front, unloaded / at rated load	kg	10700 / 34200
Axle pressure rear, unloaded / at rated load	kg	11000 / 2600
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	8 – 10
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2550
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	12.00 x 20" (PR 20) / 12.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	22
<b>TANK VOLUMES</b>		
Diesel tank volume	L	243
Hydraulic tank volume	L	272
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 15-1200 B



SMV 15-1200B

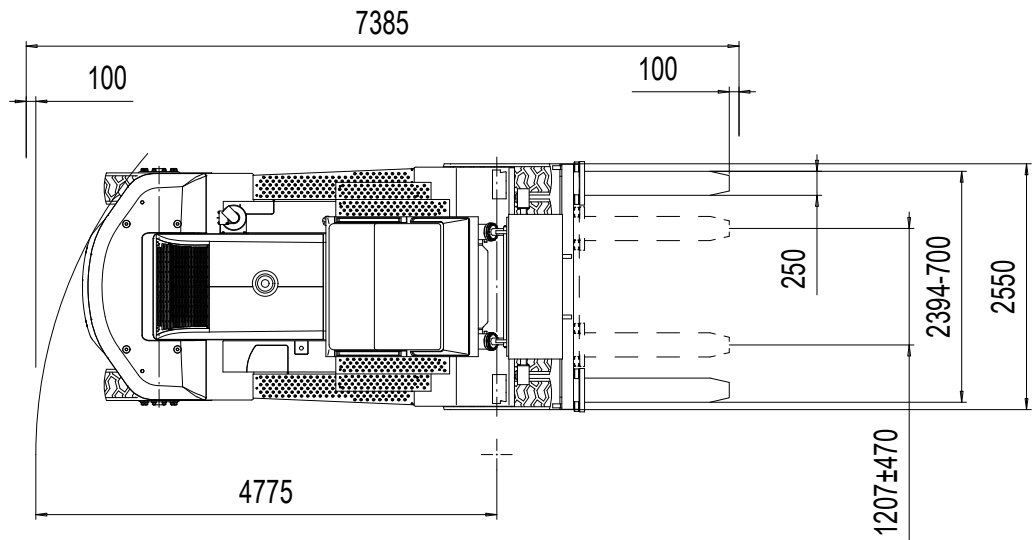
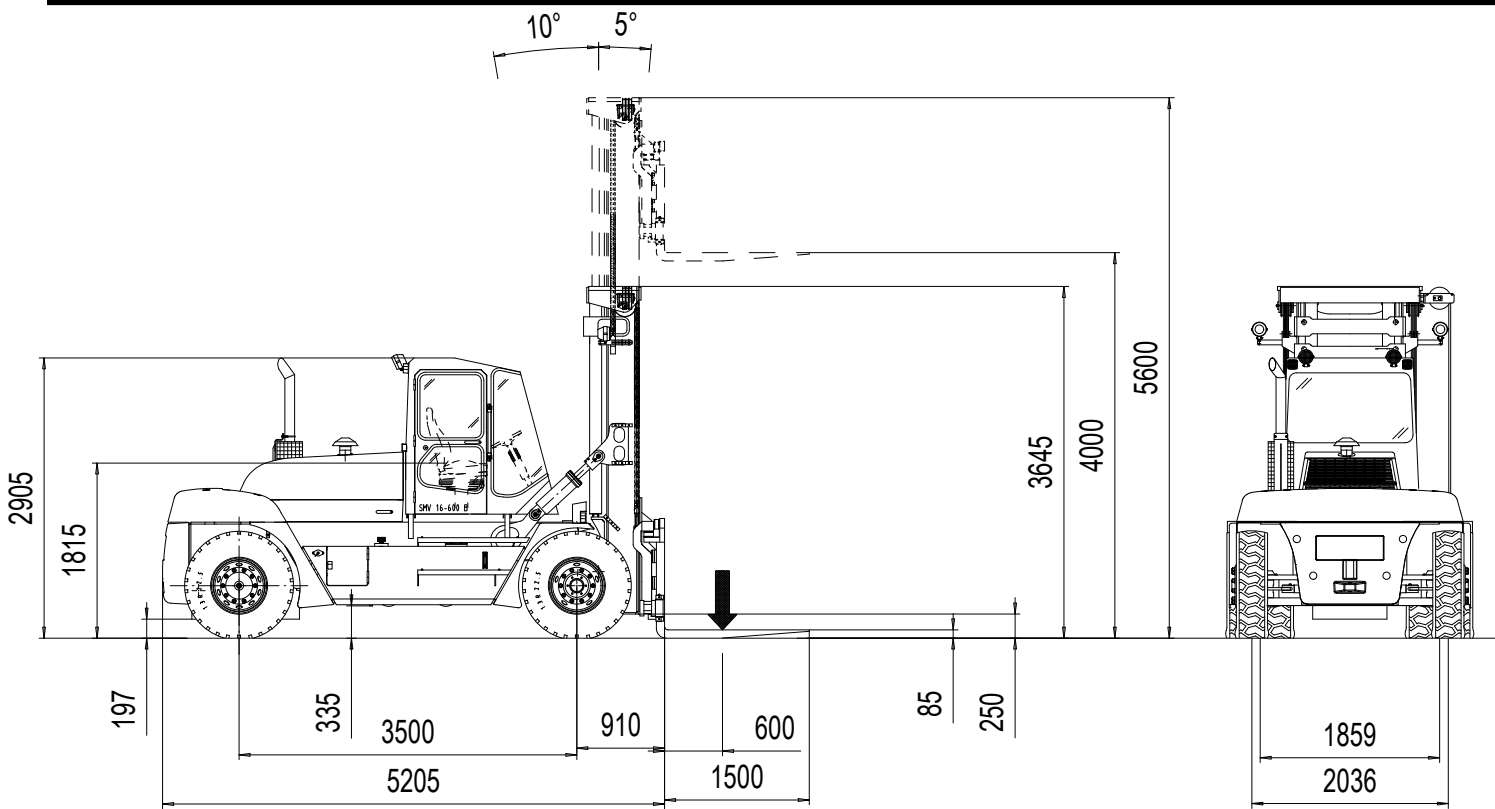


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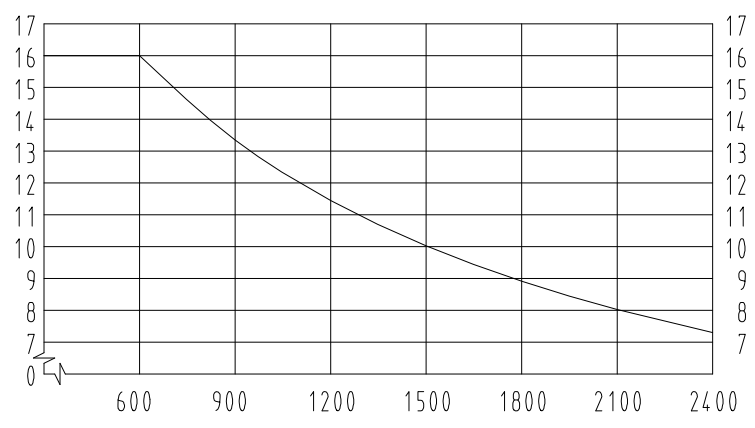
<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	16000 / 600
Lifting speed, unloaded / at rated load	m/s	0,40 / 0,35
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	30 / 24
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	107 / 85
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	19500
Axle pressure front, unloaded / at rated load	kg	10500 / 33400
Axle pressure rear, unloaded / at rated load	kg	9000 / 2000
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	7 – 10
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2550
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	12.00 x 20" (PR 20) / 12.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	23
<b>TANK VOLUMES</b>		
Diesel tank volume	L	206
Hydraulic tank volume	L	227
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 16-600 B



SMV 16-600B

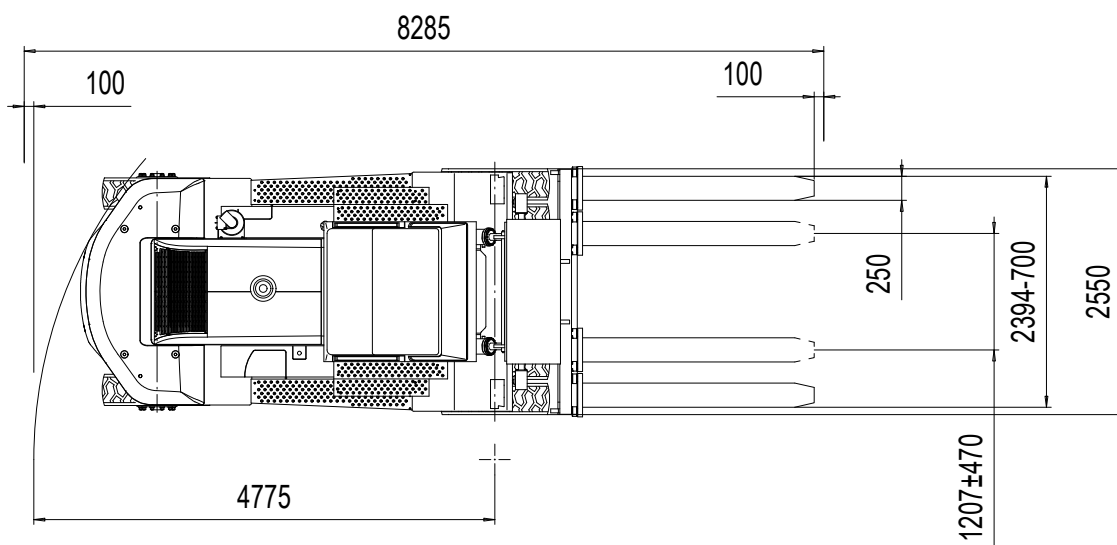
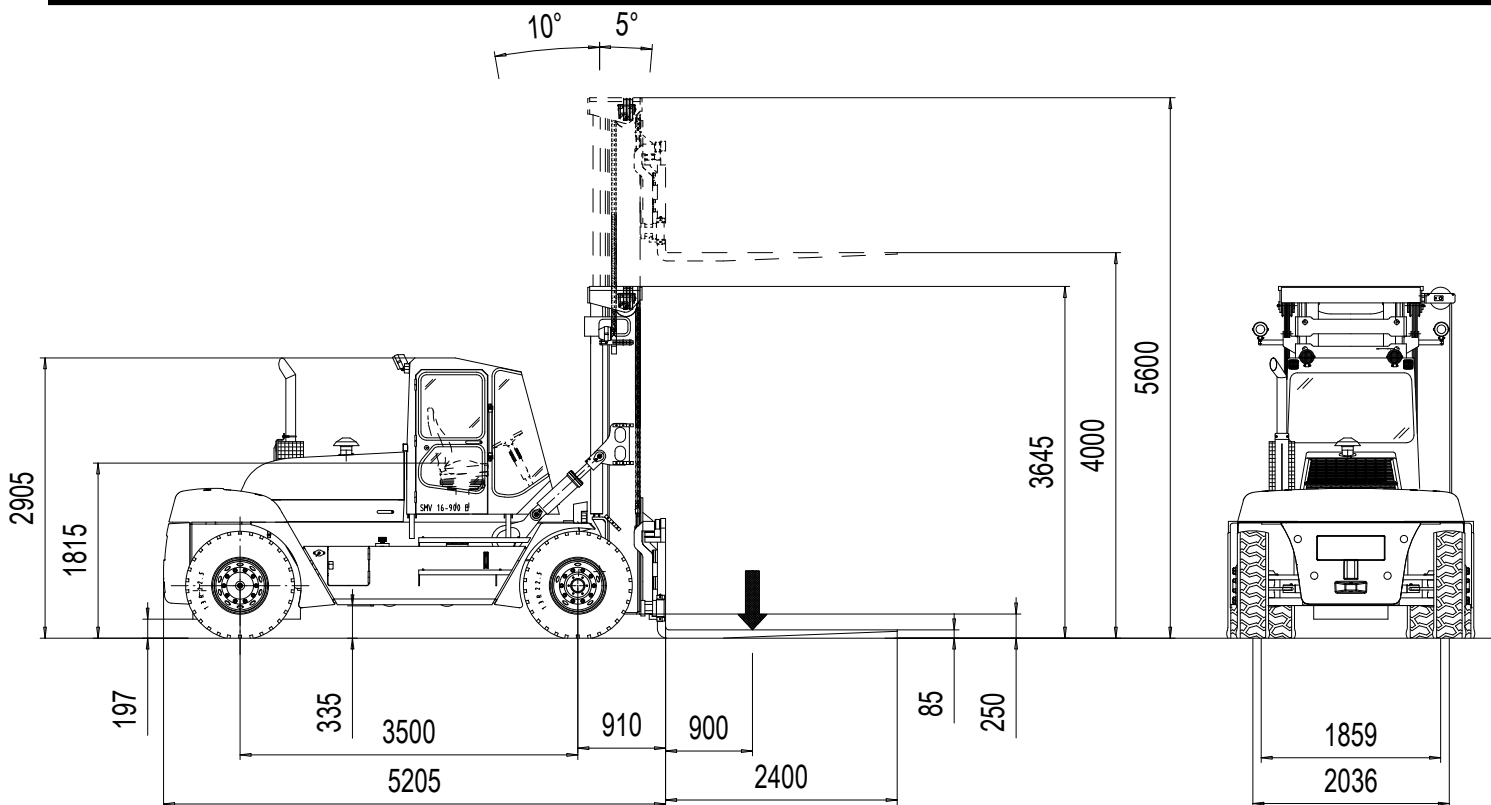


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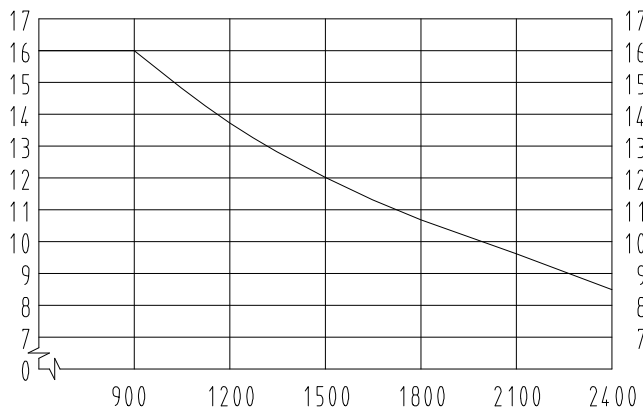
<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	16000 / 900
Lifting speed, unloaded / at rated load	m/s	0,40 / 0,35
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	30 / 24
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	107 / 85
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	21300
Axle pressure front, unloaded / at rated load	kg	10500 / 34800
Axle pressure rear, unloaded / at rated load	kg	10800 / 2500
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	7 – 10
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2550
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	12.00 x 20" (PR 20) / 12.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	23
<b>TANK VOLUMES</b>		
Diesel tank volume	L	206
Hydraulic tank volume	L	227
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 16-900 B



SMV 16-900B



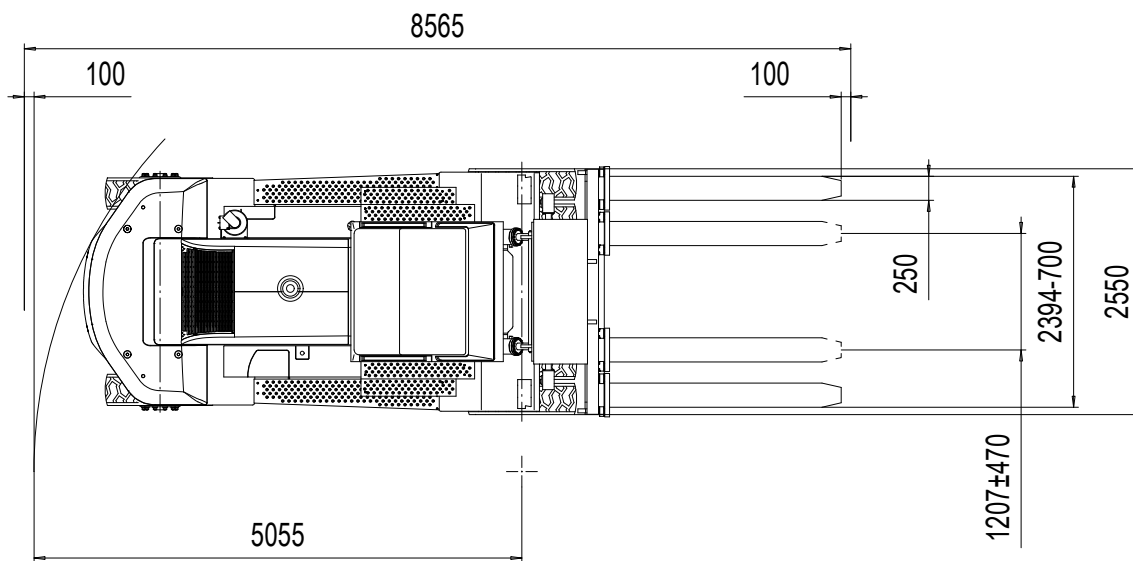
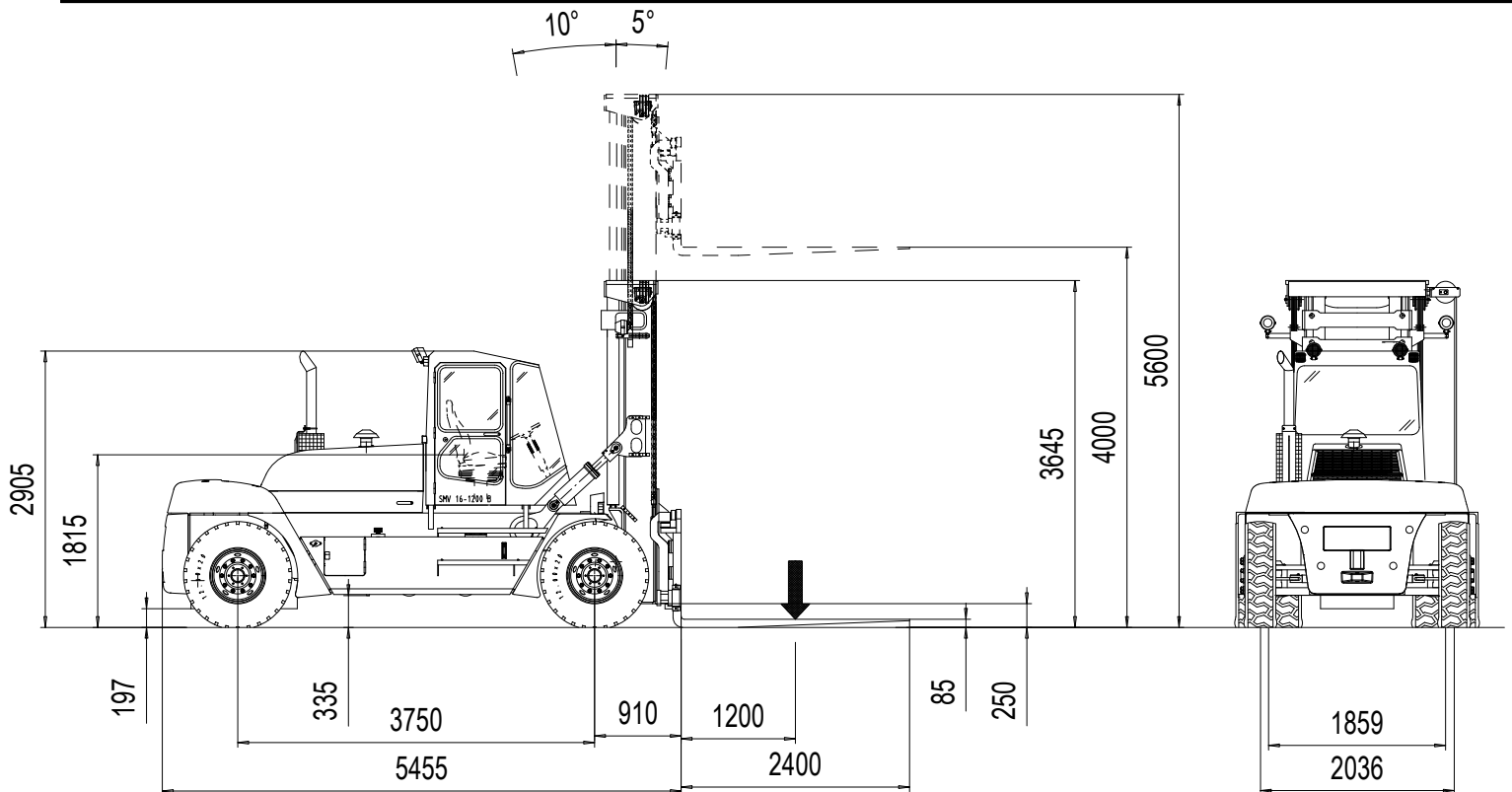


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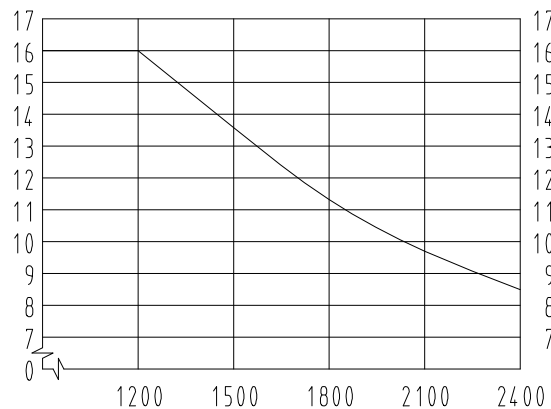
<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	16000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,40 / 0,35
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	28 / 22
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	107 / 85
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	22400
Axle pressure front, unloaded / at rated load	kg	10700 / 35800
Axle pressure rear, unloaded / at rated load	kg	11800 / 2700
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	8 – 10
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2550
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	12.00 x 20" (PR 20) / 12.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	23
<b>TANK VOLUMES</b>		
Diesel tank volume	L	243
Hydraulic tank volume	L	272
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 16-1200 B



SMV 16-1200B

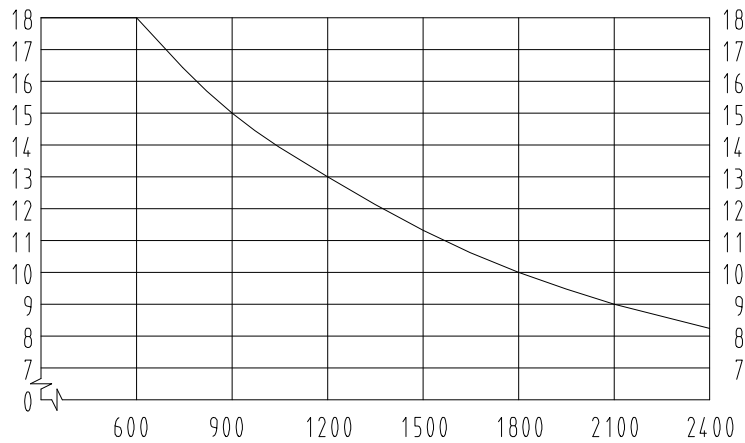
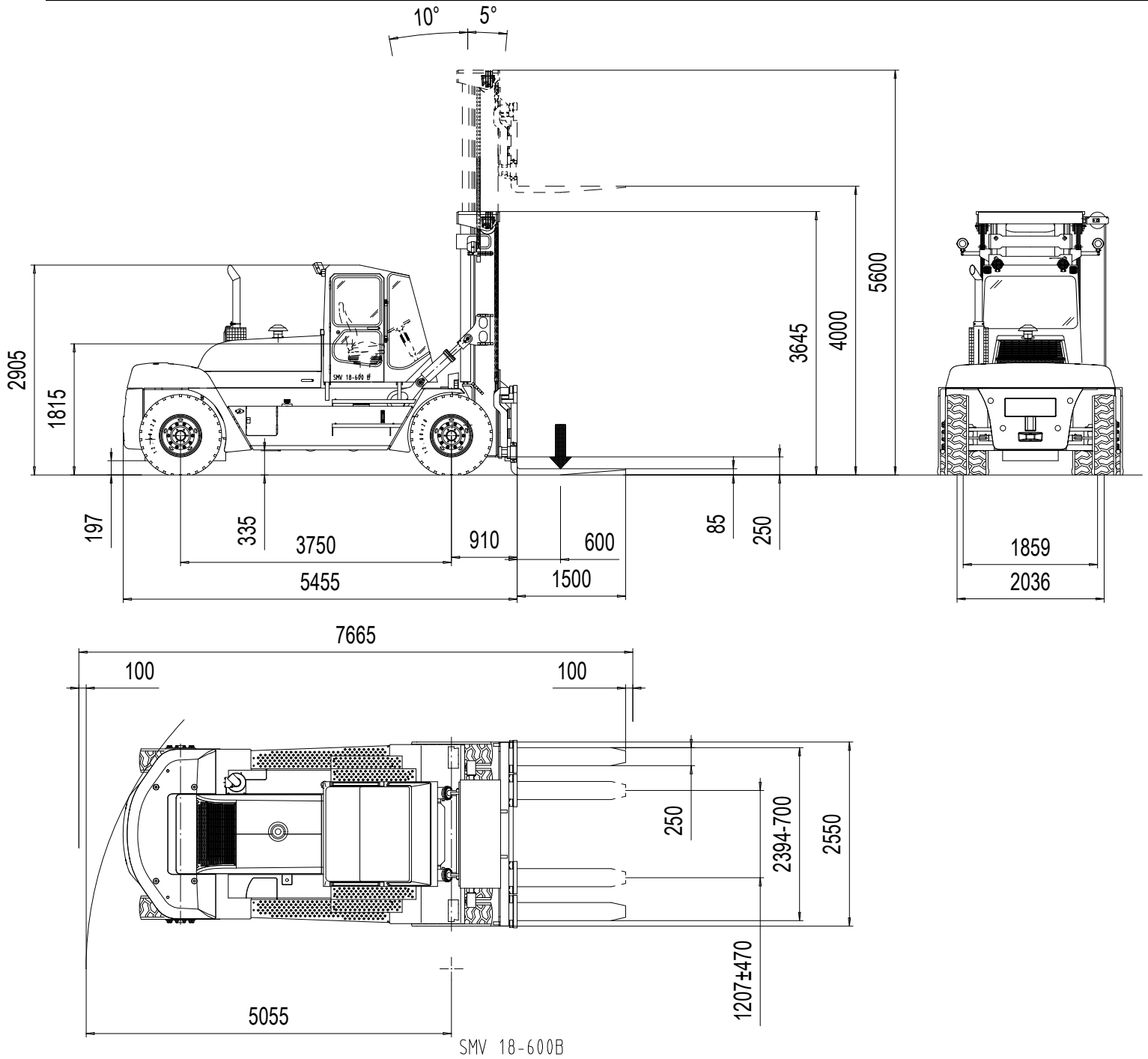


## TECHNICAL DATA : SMV 18-600 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	18000 / 600
Lifting speed, unloaded / at rated load	m/s	0,33 / 0,29
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	28 / 22
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	107 / 85
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	20200
Axle pressure front, unloaded / at rated load	kg	10700 / 36000
Axle pressure rear, unloaded / at rated load	kg	9500 / 2200
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	7 – 10
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2550
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	12.00 x 20" (PR 20) / 12.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	19
<b>TANK VOLUMES</b>		
Diesel tank volume	L	243
Hydraulic tank volume	L	272
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 18-600 B

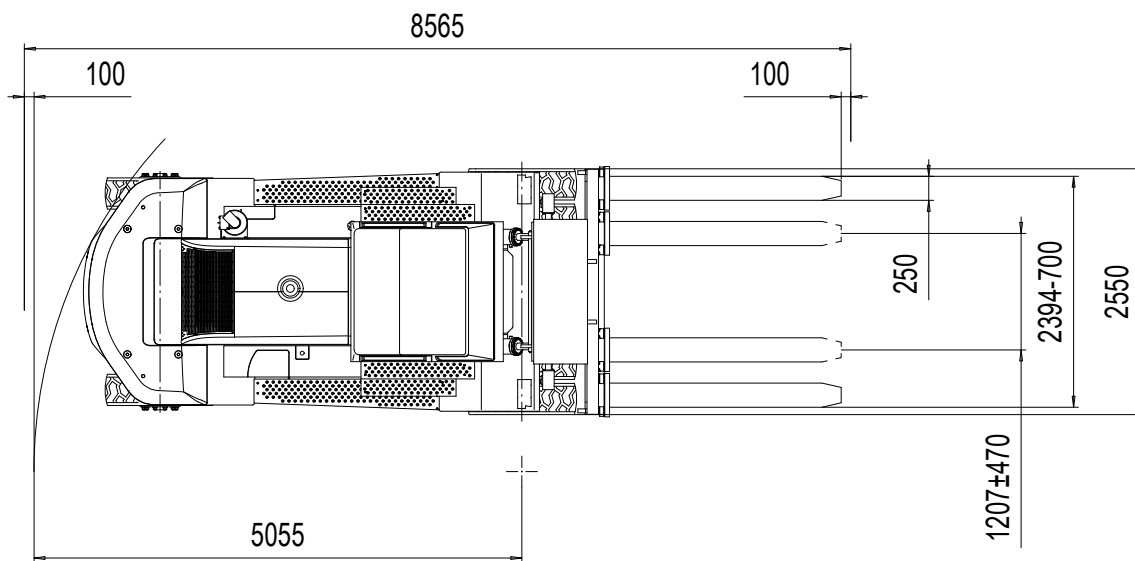
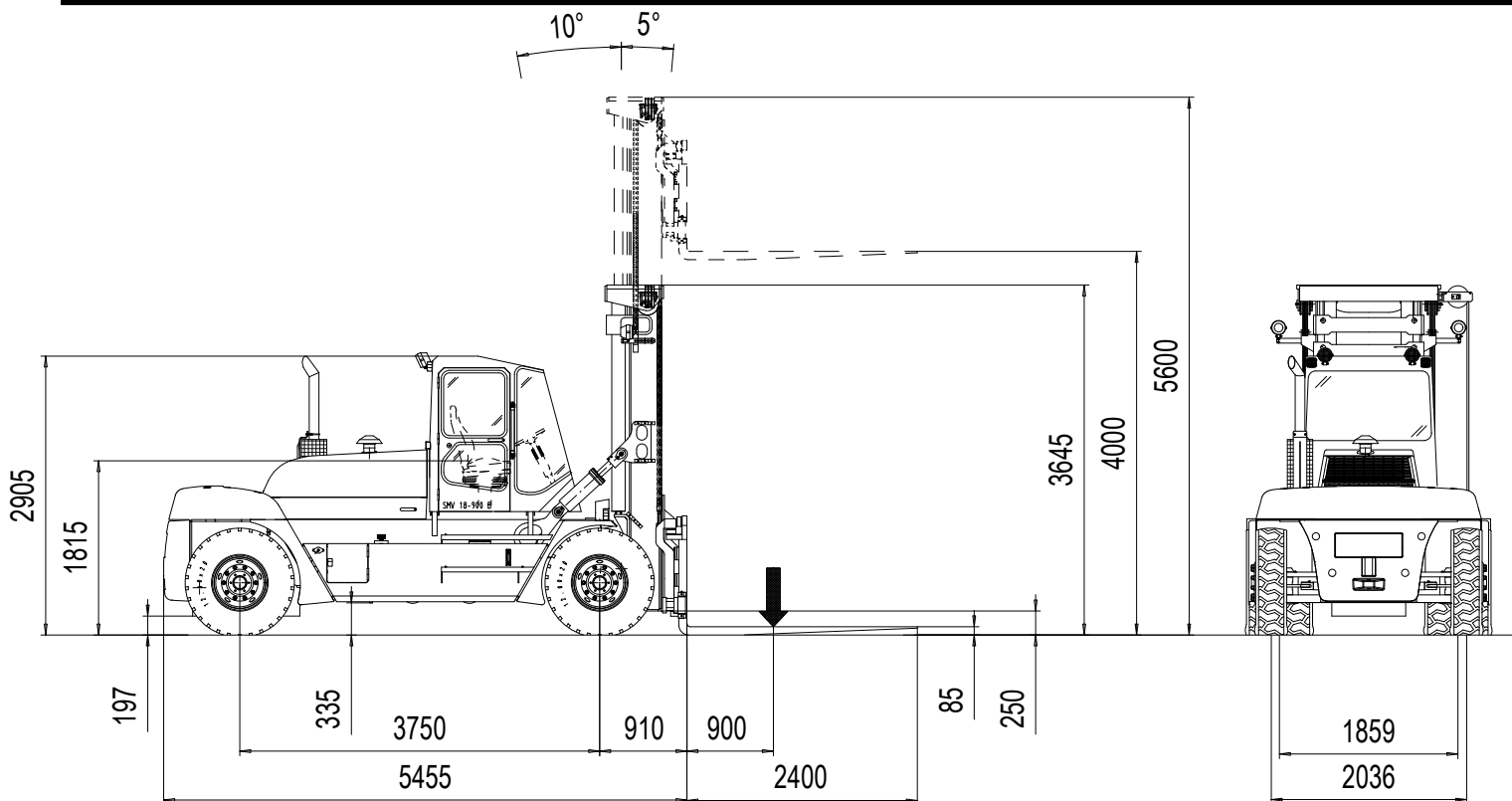


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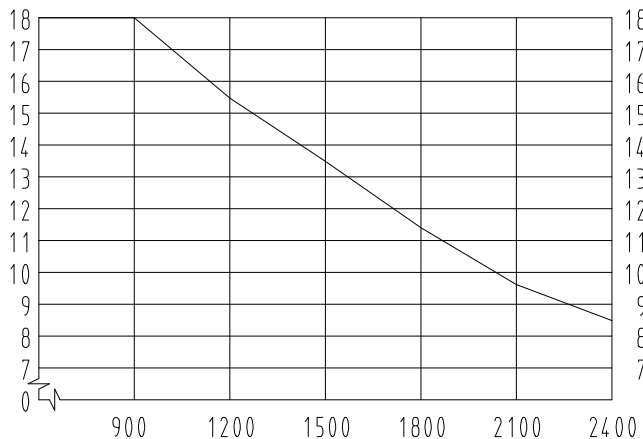
<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 7000 mm / standard mast)	kg / mm	18000 / 900
Lifting speed, unloaded / at rated load	m/s	0,33 / 0,29
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	30 / 30
Drive speed reverse, unloaded / at rated load	km/h	30 / 30
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	27 / 21
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	107 / 85
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	22100
Axle pressure front, unloaded / at rated load	kg	10700 / 37400
Axle pressure rear, unloaded / at rated load	kg	11400 / 2600
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-620-VE
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	147 / 2300
Torque ISO 3046 / at speed	Nm / rpm	700 / 1500
Displacement / No. of cylinders / type	L / /	5,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	8 – 10
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 88
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D81
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 2550
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	12.00 x 20" (PR 20) / 12.00 x 20" (PR 20)
Rim dimension front / rear	Inch	8.00 x 20" / 8.00 x 20"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	19
<b>TANK VOLUMES</b>		
Diesel tank volume	L	243
Hydraulic tank volume	L	272
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	68
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	72
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	109
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 18-900 B



SMV 18-900B

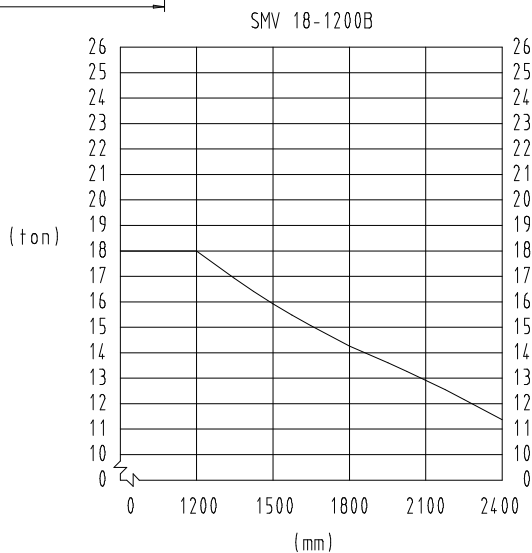
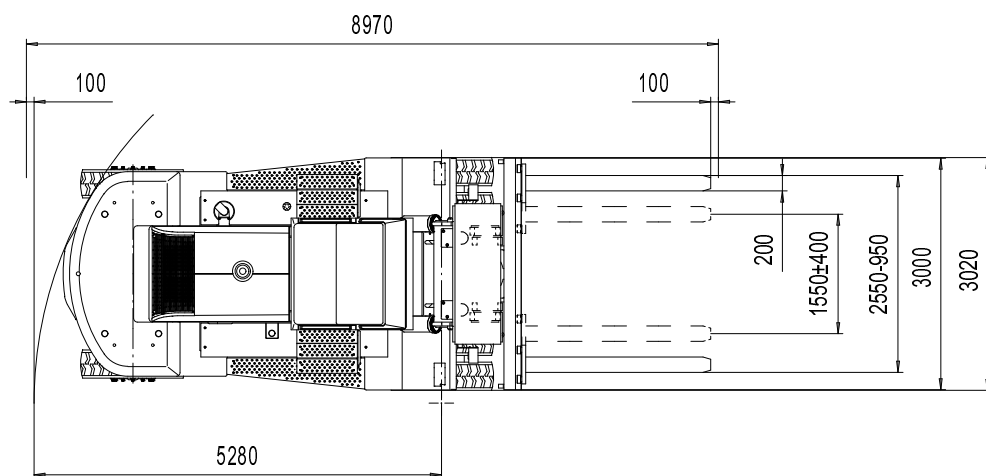
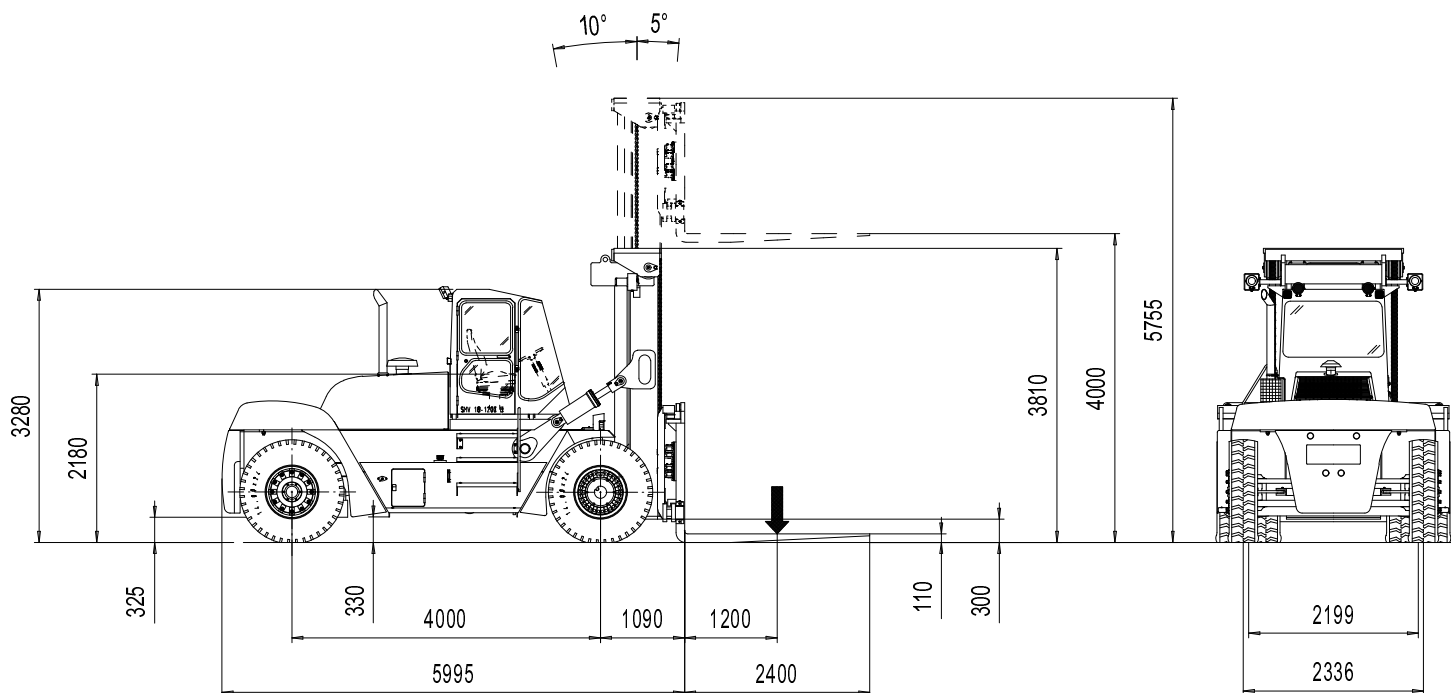


## TECHNICAL DATA : SMV 18-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm	18000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,30 / 0,25
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	29 / 28
Drive speed reverse, unloaded / at rated load	km/h	29 / 28
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	43 / 33
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	196 / 147
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	30000
Axle pressure front, unloaded / at rated load	kg	16700 / 45000
Axle pressure rear, unloaded / at rated load	kg	13300 / 3000
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-722-VE/HT
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	180 / 2300
Torque ISO 3046 / at speed	Nm / rpm	1050 / 1400
Displacement / No. of cylinders / type	L / /	7,2 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	9 – 12
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3020
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	14.00 x 24" (PR 24) / 14.00 x 24" (PR 24)
Rim dimension front / rear	Inch	10.00 x 24"/HD / 10.00 x 24"/HD
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	19
<b>TANK VOLUMES</b>		
Diesel tank volume	L	280
Hydraulic tank volume	L	312
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	70
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	110
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 18-1200 B



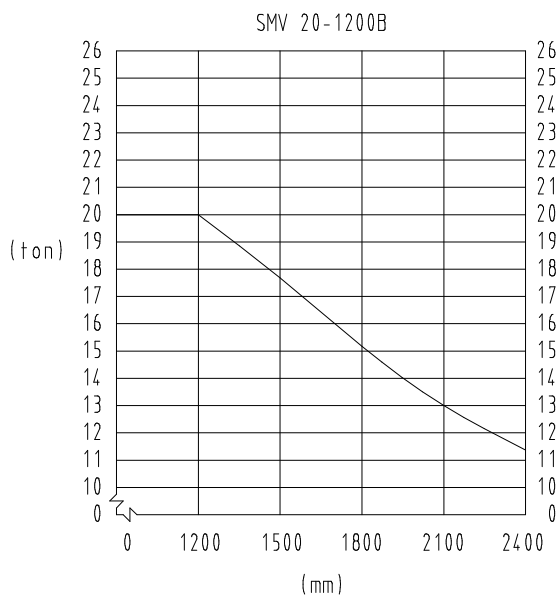
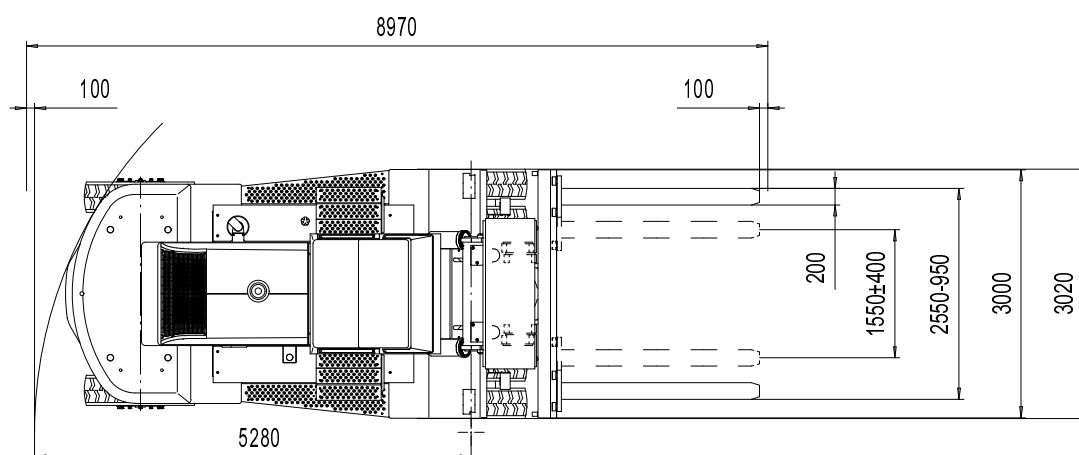
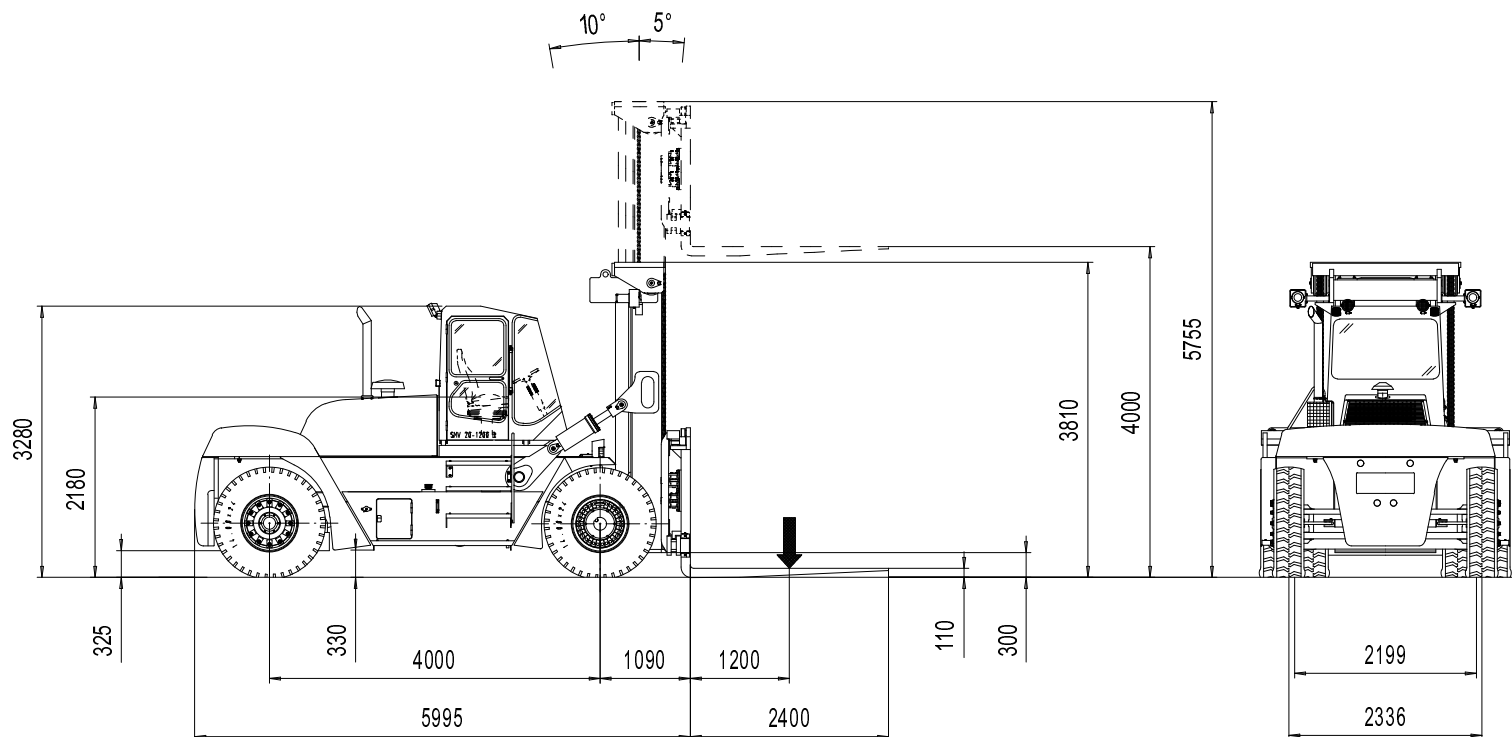


## TECHNICAL DATA : SMV 20-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm	20000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,30 / 0,25
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	29 / 27
Drive speed reverse, unloaded / at rated load	km/h	29 / 27
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	39 / 30
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	196 / 147
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	31500
Axle pressure front, unloaded / at rated load	kg	16700 / 48100
Axle pressure rear, unloaded / at rated load	kg	14800 / 3400
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-722-VE/HT
Emission approval EU / US		St IIa / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	180 / 2300
Torque ISO 3046 / at speed	Nm / rpm	1050 / 1400
Displacement / No. of cylinders / type	L / /	7,2 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	9 – 12
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3020
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	14.00 x 24" (PR 24) / 14.00 x 24" (PR 24)
Rim dimension front / rear	Inch	10.00 x 24"/HD / 10.00 x 24"/HD
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	20
<b>TANK VOLUMES</b>		
Diesel tank volume	L	280
Hydraulic tank volume	L	312
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	70
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	110
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 20-1200 B

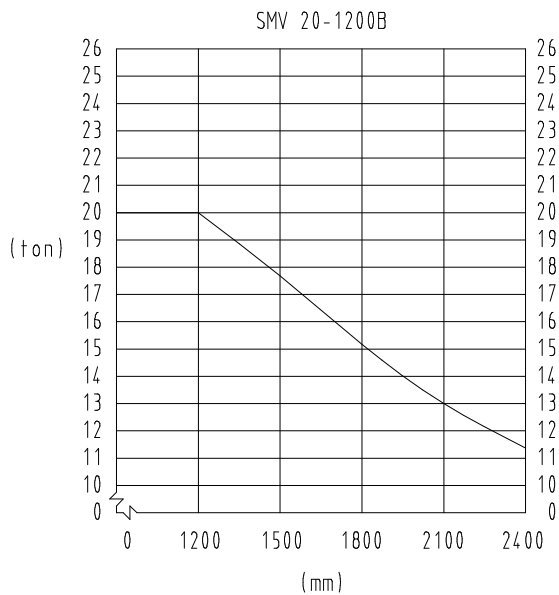
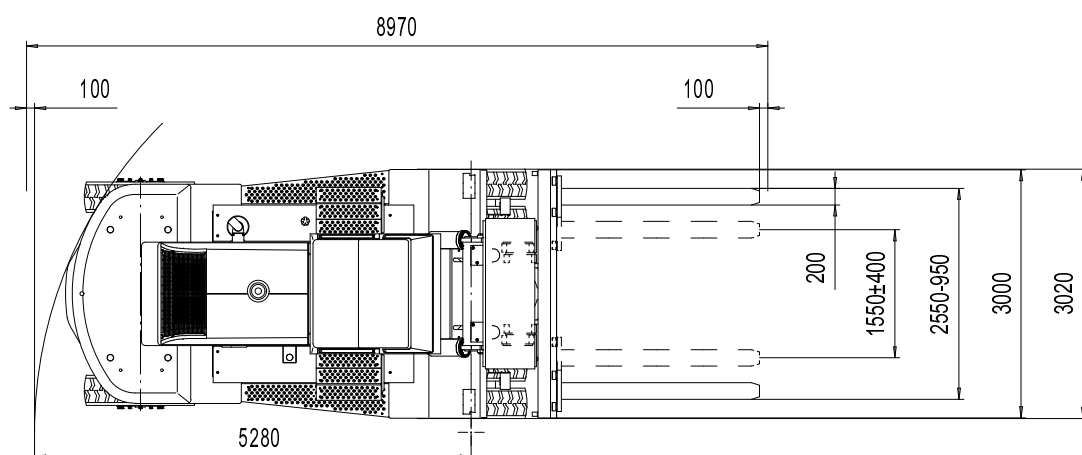
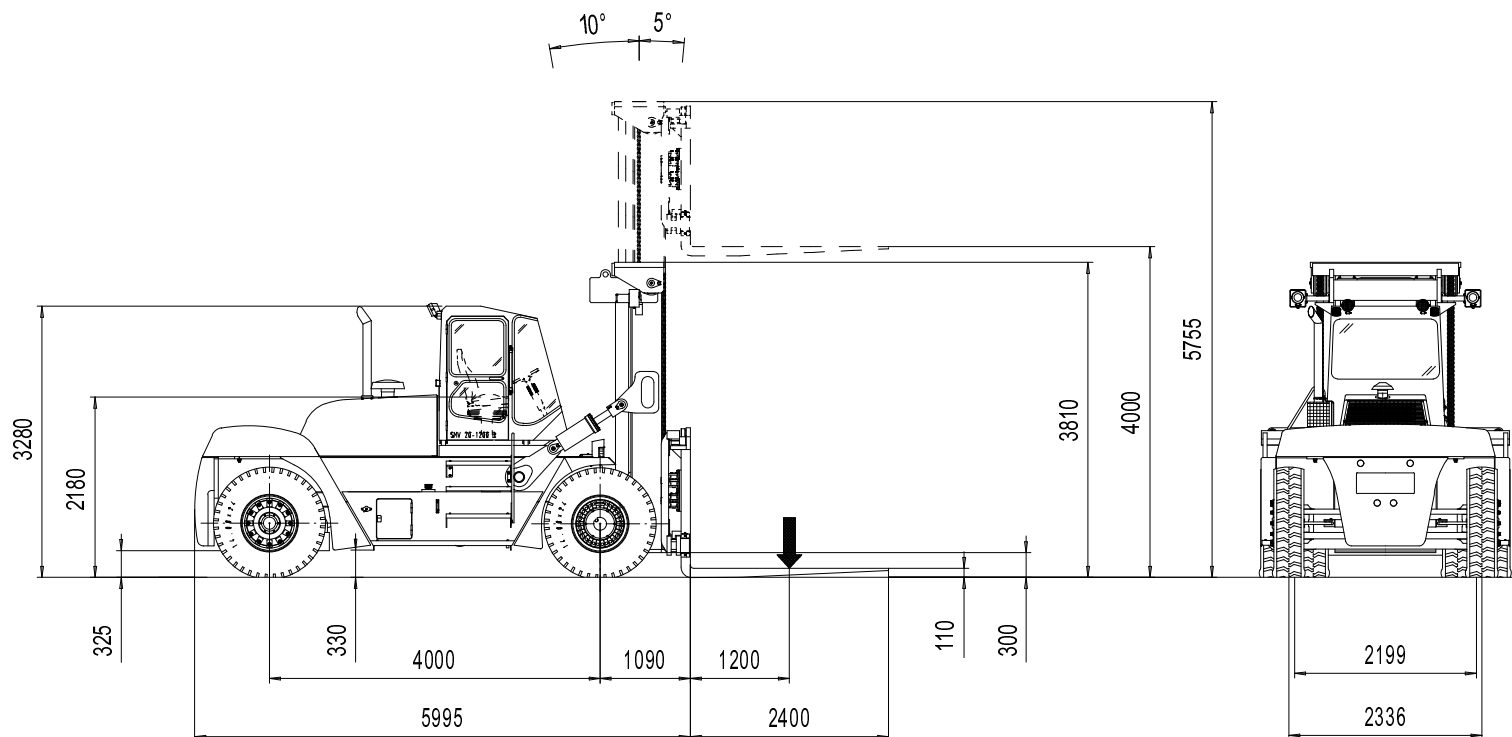


## TECHNICAL DATA : SMV 20-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm	20000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,30 / 0,25
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	29 / 27
Drive speed reverse, unloaded / at rated load	km/h	29 / 27
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	39 / 30
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	196 / 147
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	31500
Axle pressure front, unloaded / at rated load	kg	16700 / 48100
Axle pressure rear, unloaded / at rated load	kg	14800 / 3400
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-722-VE/HT
Emission approval EU / US		St IIa / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	180 / 2300
Torque ISO 3046 / at speed	Nm / rpm	1050 / 1400
Displacement / No. of cylinders / type	L / /	7,2 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	9 – 12
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3020
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	14.00 x 24" (PR 24) / 14.00 x 24" (PR 24)
Rim dimension front / rear	Inch	10.00 x 24"/HD / 10.00 x 24"/HD
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	20
<b>TANK VOLUMES</b>		
Diesel tank volume	L	280
Hydraulic tank volume	L	312
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	70
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	110
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 20-1200 B

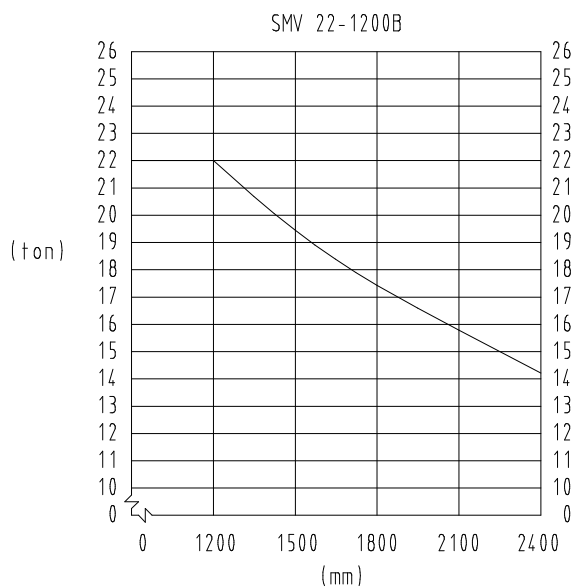
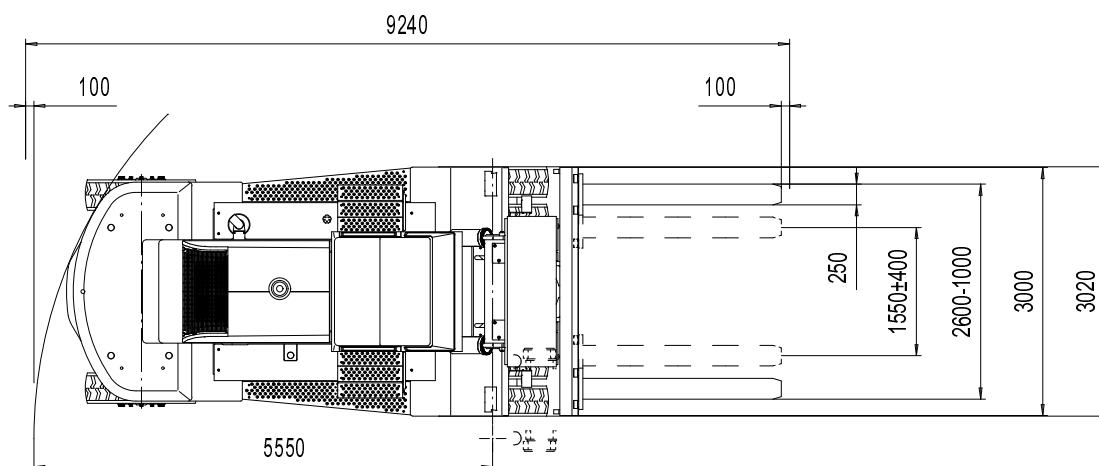
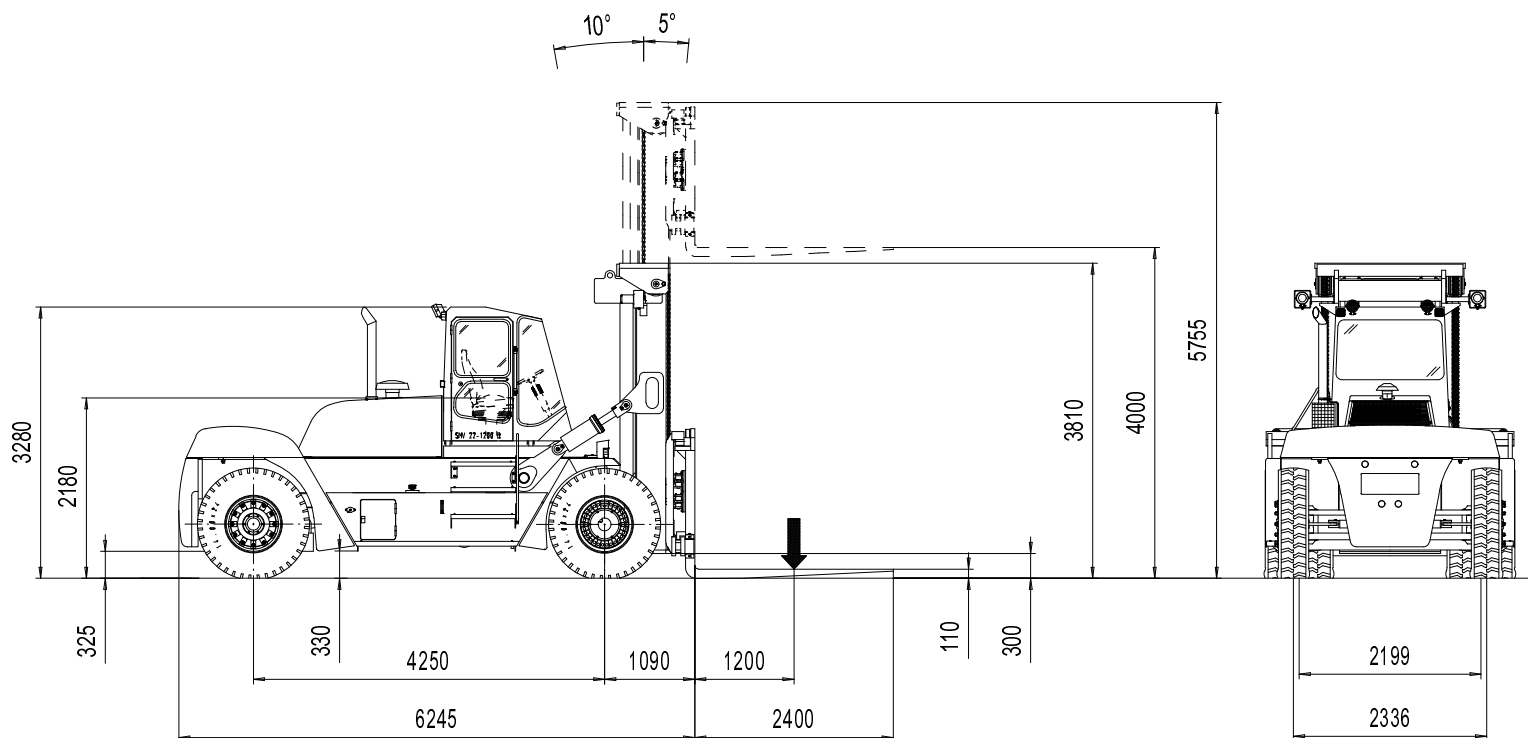


## TECHNICAL DATA : SMV 22-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm	22000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,30 / 0,25
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	29 / 27
Drive speed reverse, unloaded / at rated load	km/h	29 / 27
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	37 / 28
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	196 / 147
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	32000
Axle pressure front, unloaded / at rated load	kg	16700 / 50500
Axle pressure rear, unloaded / at rated load	kg	15300 / 3500
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-722-VE/HT
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	180 / 2300
Torque ISO 3046 / at speed	Nm / rpm	1050 / 1400
Displacement / No. of cylinders / type	L / /	7,2 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	10 – 12
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3020
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	14.00 x 24" (PR 24) / 14.00 x 24" (PR 24)
Rim dimension front / rear	Inch	10.00 x 24"/HD / 10.00 x 24"/HD
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	22
<b>TANK VOLUMES</b>		
Diesel tank volume	L	336
Hydraulic tank volume	L	368
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	70
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	110
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

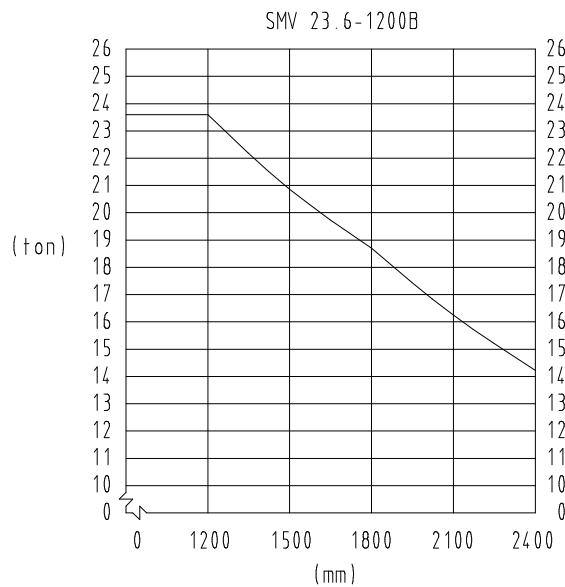
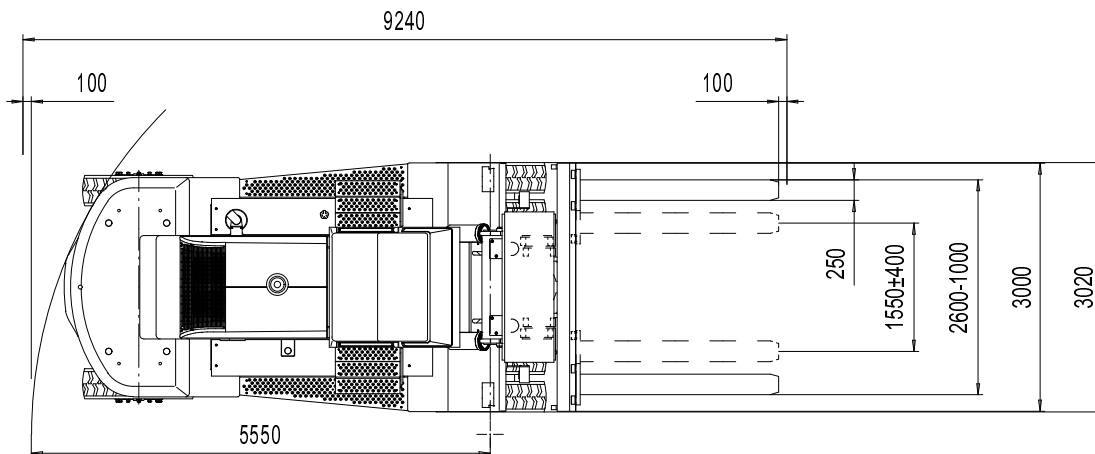
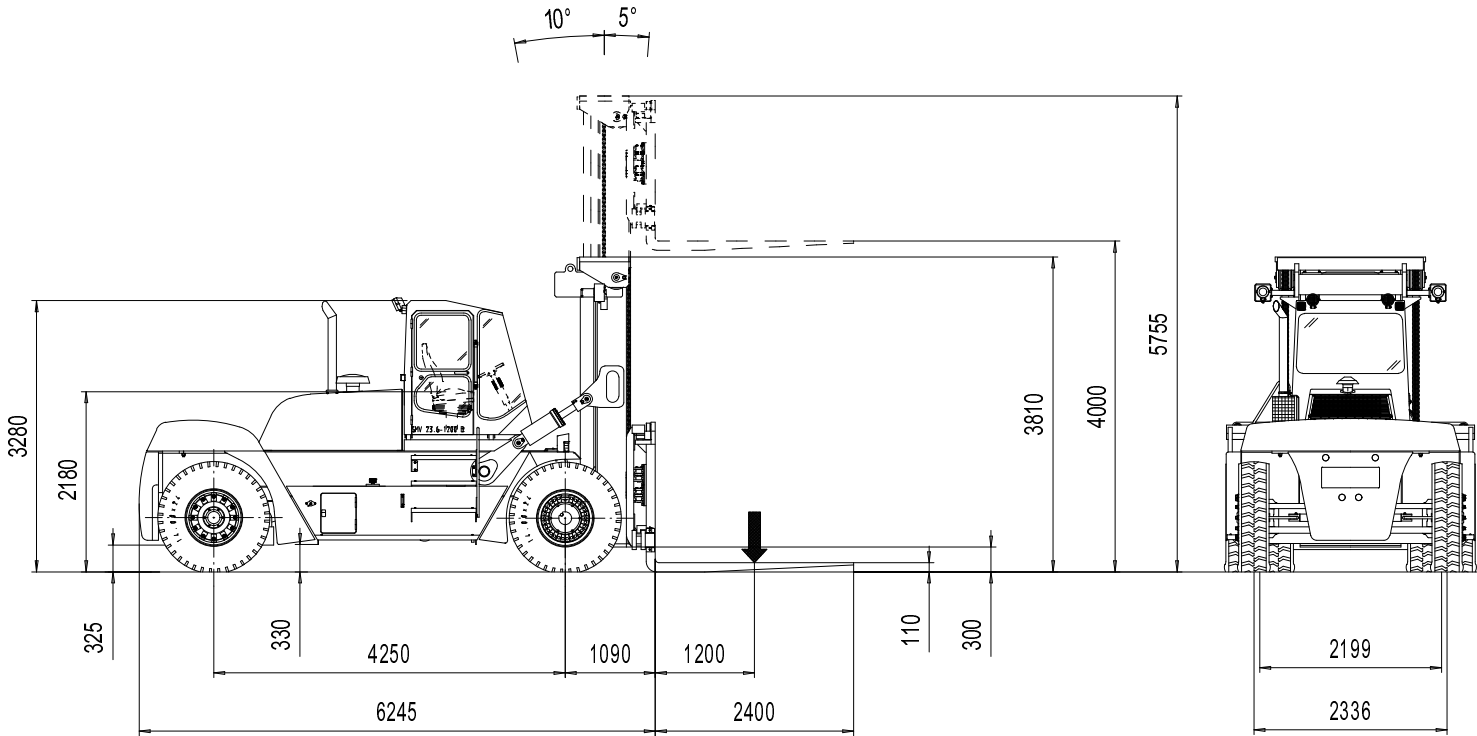
# TECHNICAL DATA

## SMV 22-1200 B



## TECHNICAL DATA : SMV 23.6-1200 B

<b>LIFTING DATA</b> Lifting capacity / Load center (up to 9000 mm / standard mast) Lifting speed, unloaded / at rated load Lowering speed, unloaded / at rated load	kg / mm m/s m/s	23600 / 1200 0,30 / 0,25 0,40 / 0,40
<b>DRIVING DATA</b> Drive speed forward, unloaded / at rated load Drive speed reverse, unloaded / at rated load Incline (driving ability) at rated load at 0 km/h/at 2 km/h Towing (power ability) at rated load at 0 km/h/at 2 km/h	km/h km/h % kN	29 / 27 29 / 27 35 / 26 196 / 147
<b>SERVICE WEIGHT / AXLE PRESSURE</b> Service weight Axle pressure front, unloaded / at rated load Axle pressure rear, unloaded / at rated load	kg kg kg	33200 16700 / 53000 16500 / 3800
<b>ENGINE (electronic controlled)</b> Engine make / model name Emission approval EU / US Monitoring / emission controlled / CanBus Fuel / type of engine / intercooler Power ISO 3046 / at speed Torque ISO 3046 / at speed Displacement / No. of cylinders / type Fuel consumption, normal driving Alternator, type/power Starting battery, voltage/capacity	kW / rpm Nm / rpm L / / L/h W / Amp V / Ah	Volvo TAD-722-VE/HT St II / Tier 2 Yes / yes / yes Diesel/4-stroke/ yes 180 / 2300 1050 / 1400 7,2 / 6-cyl / Inline 10 – 12 AC / 1540 / 55 2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b> Transmission make / model name Monitoring / reverse protection / CanBus Clutch, type Transmission type / type of shift gear No. of gears, forward/reverse		Dana TE-17300 Yes / yes / yes Torque converter Softshift – Powershift / Automatic 3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b> Drive axle make / model name Drive axle type / drive axle width Service brake system, type / affected wheels Parking brake system, type / affected wheels	/ mm	Kessler D91 Differential + hub reduction / 3020 Oil cooled Wet Disc Brakes / drive wheels Dry disc brake / spring release / drive wheels
<b>STEER AXLE &amp; STEER SYSTEM</b> Steer axle make / type Steering system		Konecranes / double acting single cylinder Hydraulic servo assisted / power steering
<b>WHEELS</b> Number of wheels, front+rear / Type (*driven) Tire pressure front / rear Tire dimensions (Ply rating) front / rear Rim dimension front / rear	MPa Inch (No) Inch	4*+2 / pneumatic 0,9 / 0,9 14.00 x 24" (PR 24) / 14.00 x 24" (PR 24) 10.00 x 24"/HD / 10.00 x 24"/HD
<b>HYDRAULIC SYSTEM</b> Hydraulic pump make / model name Hydraulic system / pump type Power-on-demand / Low energy Hydraulic oil pressure mast	MPa	Parker & Hannifin / P2-series Load sensing system / variable piston pump Yes / yes 22
<b>TANK VOLUMES</b> Diesel tank volume Hydraulic tank volume	L L	336 368
<b>LIFTING EQUIPMENT</b> Lift mast make / model Lift mast type / design Fork carriage make / model Fork carriage type		Konecranes / Duplex standard 2-stage / free visibility Konecranes / integral double forks Hydraulic side shift & fork positioning
<b>OTHERS</b> Noise level (inside Cab / Lm) DIN 45635 Noise level (inside Cab/ LpAZ) EN 12053 Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A) dB(A) dB(A)	70 75 110
<b>NORMS &amp; STANDARDS</b> Machine Directive in Europe Stability of Industrial Trucks Safety of Industrial Trucks	98 / 37 EC ISO 1074 EN 1551	Yes Yes Yes



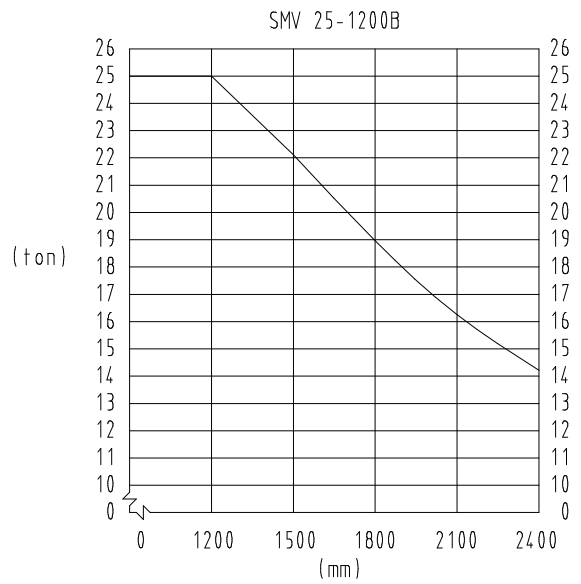
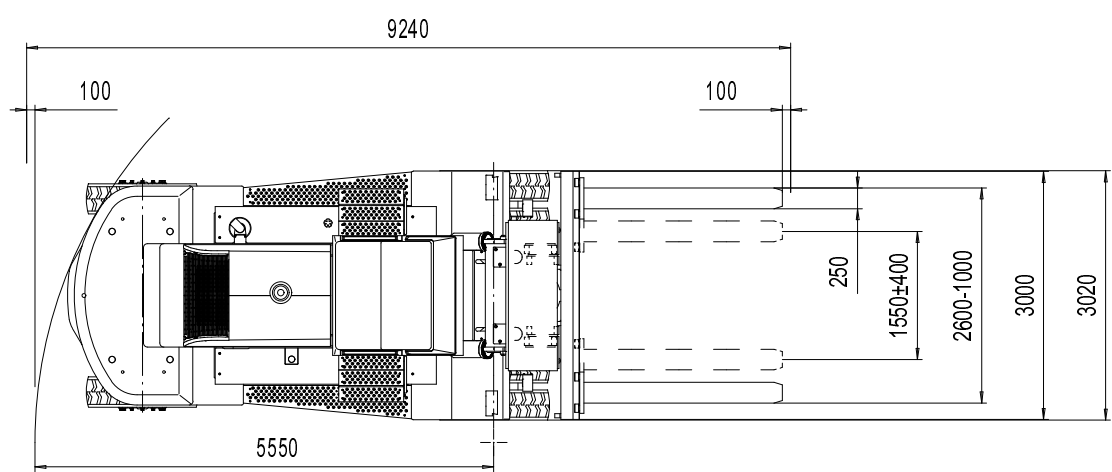
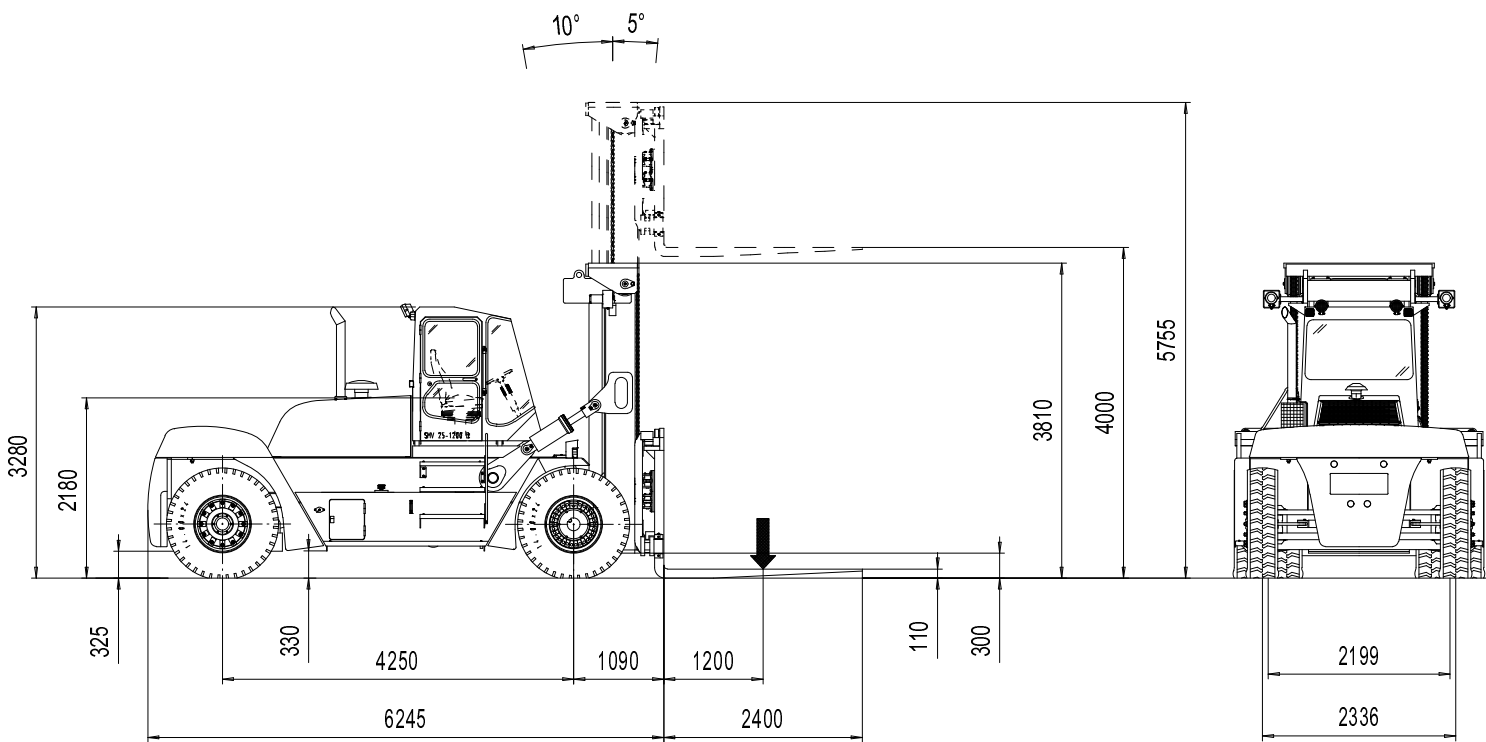


## TECHNICAL DATA : SMV 25-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm	25000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,30 / 0,25
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	28 / 27
Drive speed reverse, unloaded / at rated load	km/h	28 / 27
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	34 / 24
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	196 / 147
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	34100
Axle pressure front, unloaded / at rated load	kg	16700 / 55100
Axle pressure rear, unloaded / at rated load	kg	17400 / 4000
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-722-VE/HT
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	180 / 2300
Torque ISO 3046 / at speed	Nm / rpm	1050 / 1400
Displacement / No. of cylinders / type	L / /	7,2 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	10 – 13
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3020
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	14.00 x 24" (PR 24) / 14.00 x 24" (PR 24)
Rim dimension front / rear	Inch	10.00 x 24"/HD / 10.00 x 24"/HD
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	24
<b>TANK VOLUMES</b>		
Diesel tank volume	L	336
Hydraulic tank volume	L	368
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	70
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	110
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 25-1200 B

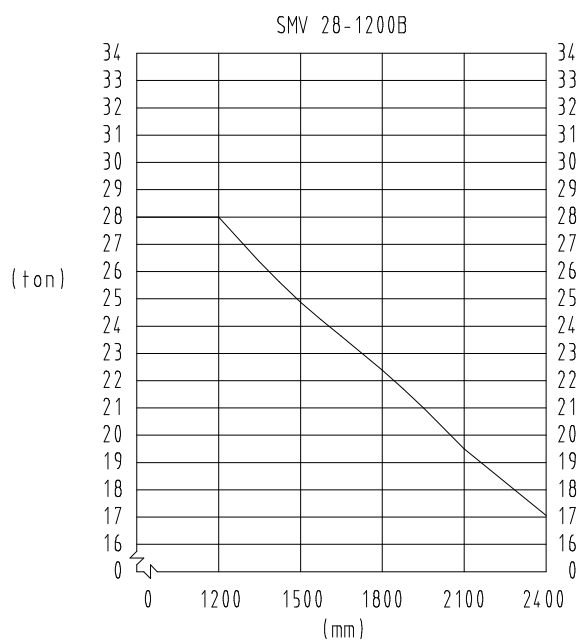
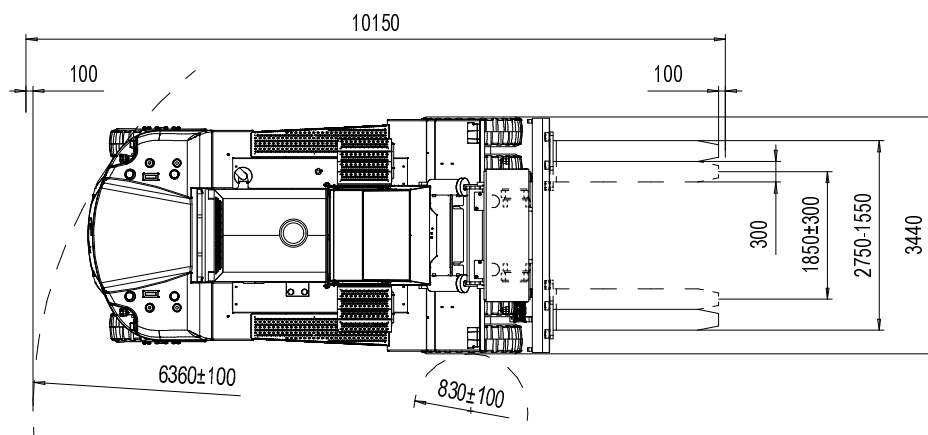
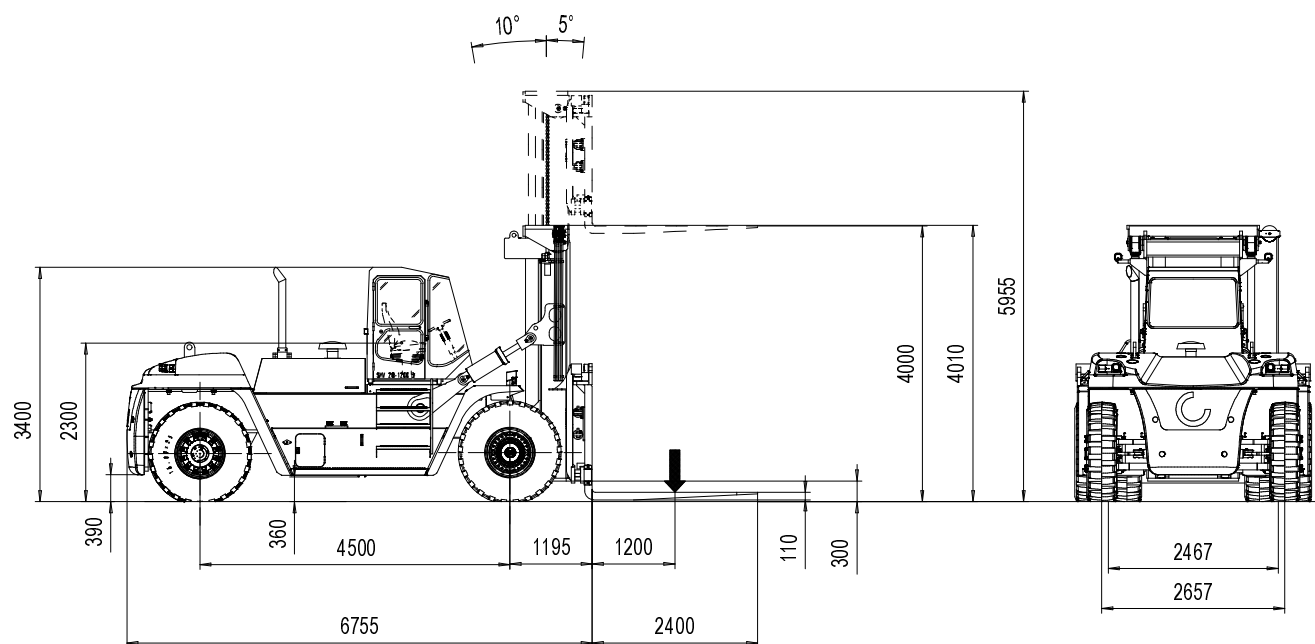


## TECHNICAL DATA : SMV 28-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm	28000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,32 / 0,27
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	24 / 23
Drive speed reverse, unloaded / at rated load	km/h	24 / 23
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	33 / 22
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	225 / 156
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	39600
Axle pressure front, unloaded / at rated load	kg	20300 / 63100
Axle pressure rear, unloaded / at rated load	kg	19300 / 4500
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-722-VE/HT
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	180 / 2300
Torque ISO 3046 / at speed	Nm / rpm	1050 / 1400
Displacement / No. of cylinders / type	L / /	7,2 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	10 – 13
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3440
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	16.00 x 25" (PR 28) / 16.00 x 25" (PR 28)
Rim dimension front / rear	Inch	11.25 x 25" / 11.25 x 25"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	20
<b>TANK VOLUMES</b>		
Diesel tank volume	L	316
Hydraulic tank volume	L	355
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	70
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	110
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

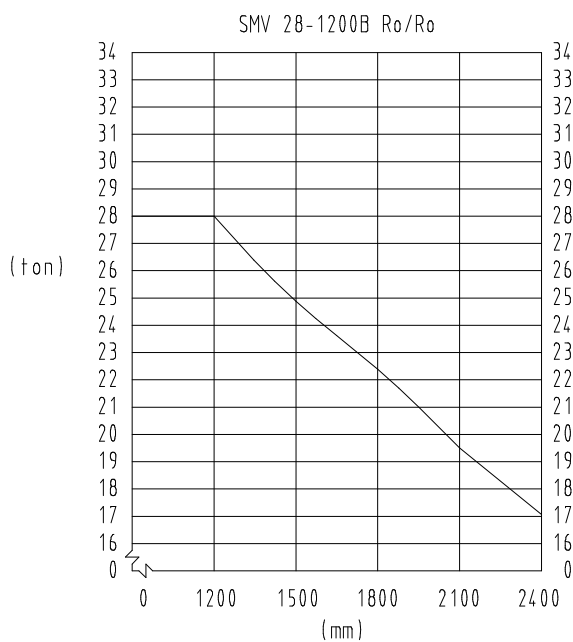
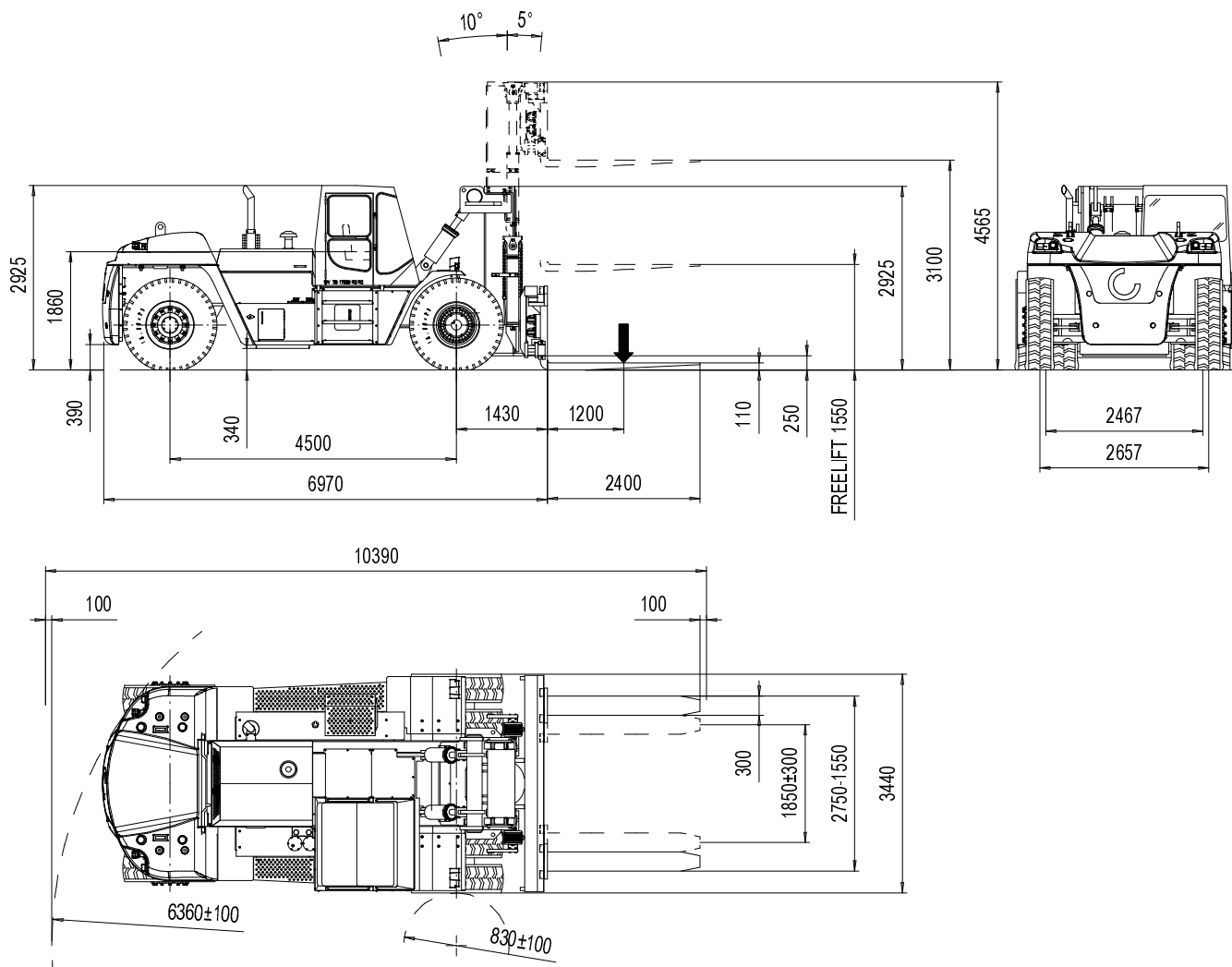
# TECHNICAL DATA

## SMV 28-1200 B



## TECHNICAL DATA : SMV 28-1200 B / RoRo

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 3100 mm / standard mast)	kg / mm	28000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,32 / 0,27
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	24 / 22
Drive speed reverse, unloaded / at rated load	km/h	24 / 22
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	30 / 20
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	225 / 156
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	41900
Axle pressure front, unloaded / at rated load	kg	20700 / 65100
Axle pressure rear, unloaded / at rated load	kg	21200 / 4800
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-722-VE/HT
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	180 / 2300
Torque ISO 3046 / at speed	Nm / rpm	1050 / 1400
Displacement / No. of cylinders / type	L / /	7,2 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	10 – 13
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3440
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	16.00 x 25" (PR 28) / 16.00 x 25" (PR 28)
Rim dimension front / rear	Inch	11.25 x 25" / 11.25 x 25"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	20
<b>TANK VOLUMES</b>		
Diesel tank volume	L	316
Hydraulic tank volume	L	355
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	70
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	110
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

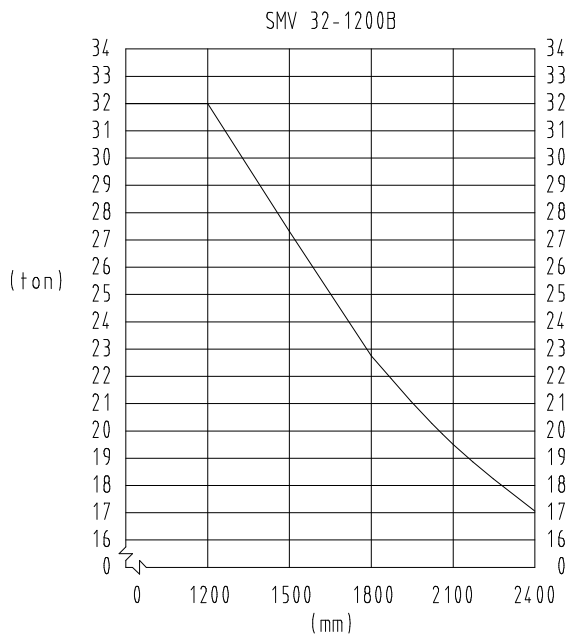
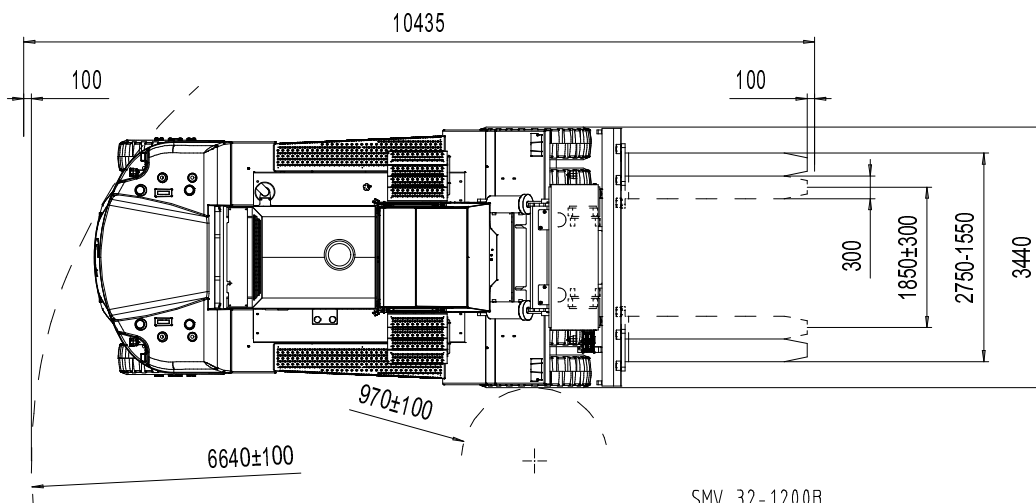
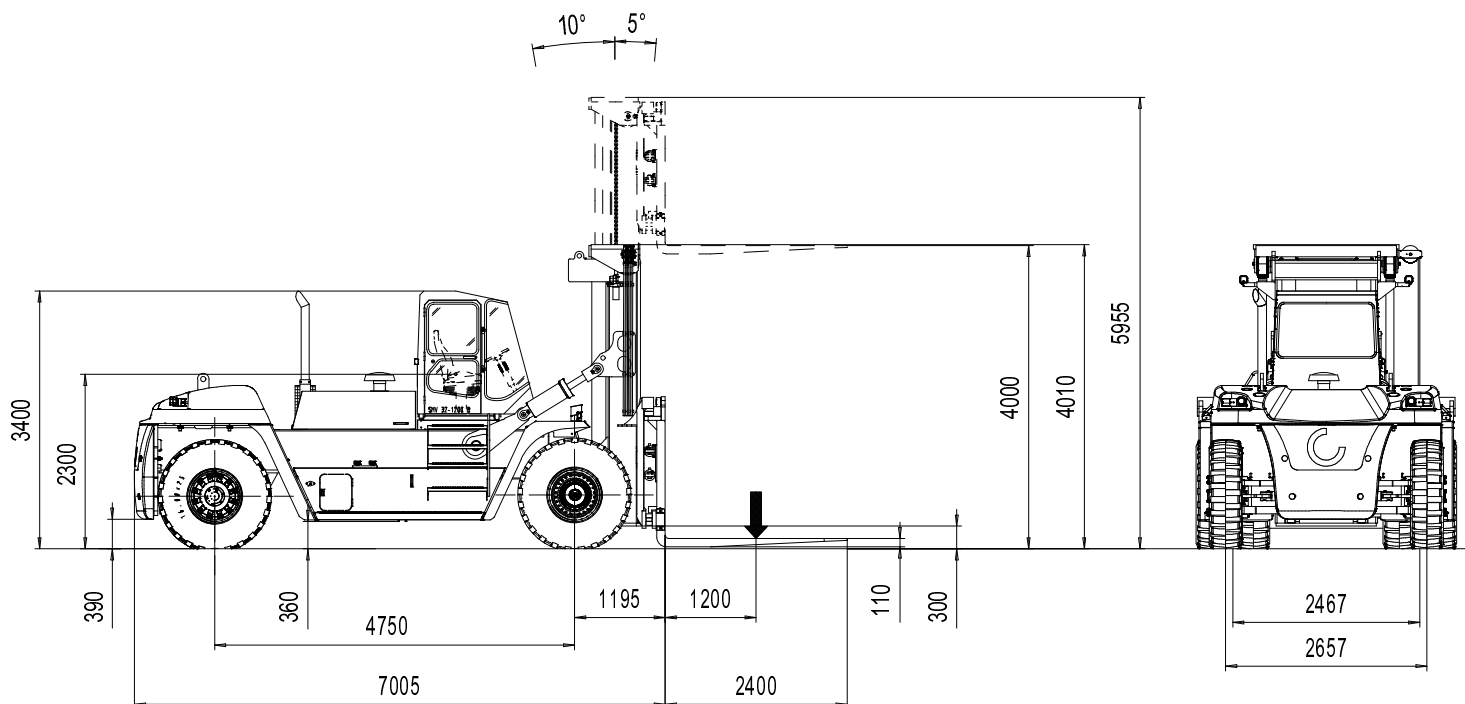


## TECHNICAL DATA : SMV 32-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm	32000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,32 / 0,27
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	24 / 22
Drive speed reverse, unloaded / at rated load	km/h	24 / 22
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	29 / 19
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	219 / 152
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	41300
Axle pressure front, unloaded / at rated load	kg	20500 / 68600
Axle pressure rear, unloaded / at rated load	kg	20800 / 4700
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Volvo TAD-722-VE/HT
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	180 / 2300
Torque ISO 3046 / at speed	Nm / rpm	1050 / 1400
Displacement / No. of cylinders / type	L / /	7,2 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	10 – 13
Alternator, type/power	W / Amp	AC / 1540 / 55
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-17300
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		3 / 3
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3440
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	16.00 x 25" (PR 28) / 16.00 x 25" (PR 28)
Rim dimension front / rear	Inch	11.25 x 25" / 11.25 x 25"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	22
<b>TANK VOLUMES</b>		
Diesel tank volume	L	371
Hydraulic tank volume	L	406
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	70
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	110
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

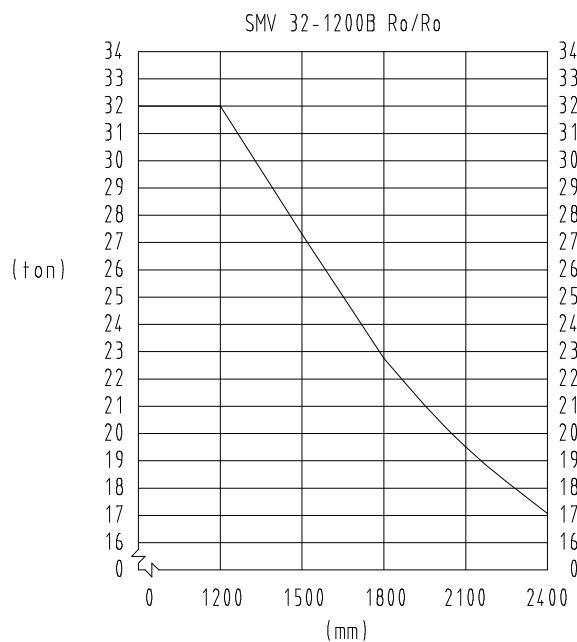
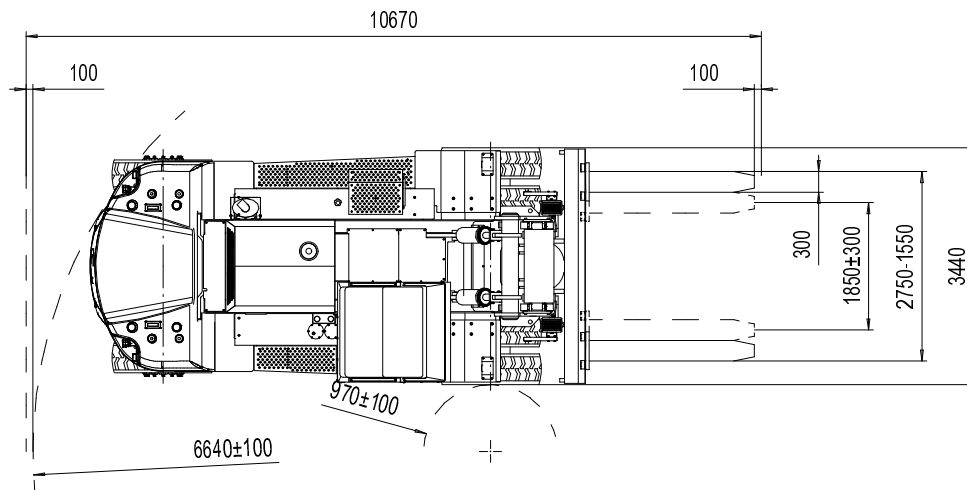
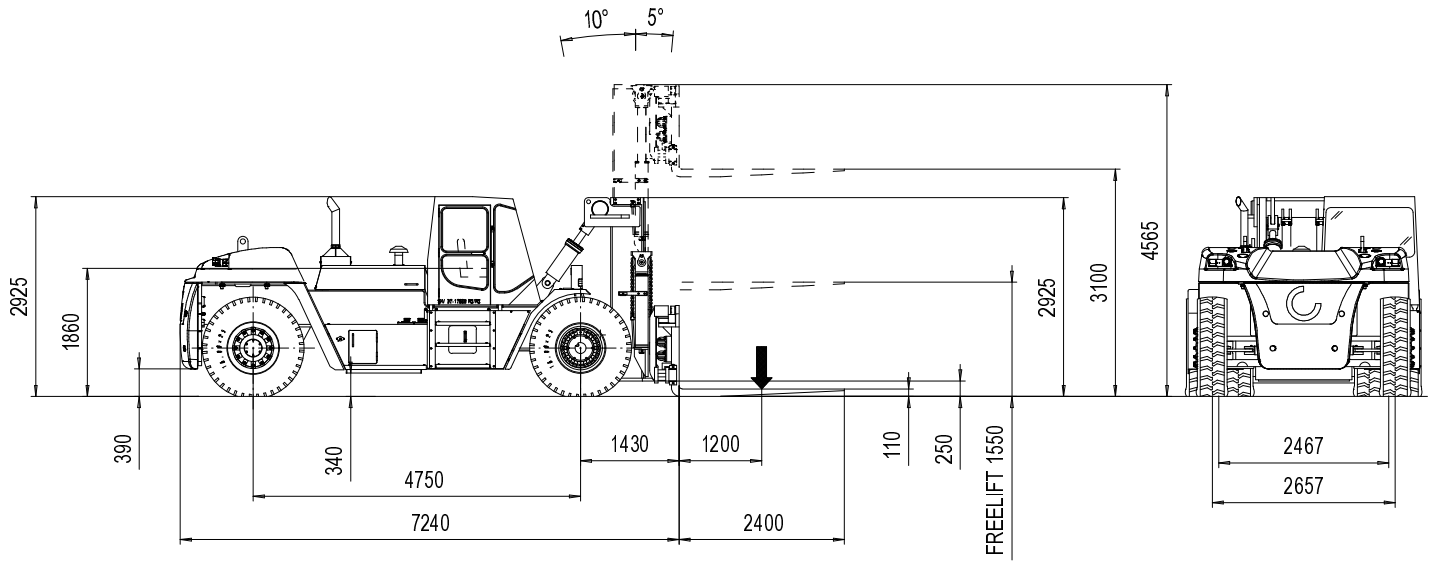
## SMV 32-1200 B





## TECHNICAL DATA : SMV 32-1200 B / RoRo

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 3100 mm / standard mast)	kg / mm	32000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,32 / 0,27
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	21 / 19
Drive speed reverse, unloaded / at rated load	km/h	21 / 19
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	47 / 31
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	219 / 152
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	44500
Axle pressure front, unloaded / at rated load	kg	21400 / 71100
Axle pressure rear, unloaded / at rated load	kg	23100 / 5400
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Scania DI-12-54A1
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	222 / 2100
Torque ISO 3046 / at speed	Nm / rpm	1446 / 1200
Displacement / No. of cylinders / type	L / /	11,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	12 – 14
Alternator, type/power	W / Amp	AC / 1820 / 65
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-27400
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		4 / 4
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3440
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	16.00 x 25" (PR 32) / 16.00 x 25" (PR 32)
Rim dimension front / rear	Inch	11.25 x 25" / 11.25 x 25"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	22
<b>TANK VOLUMES</b>		
Diesel tank volume	L	371
Hydraulic tank volume	L	406
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	73
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	111
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

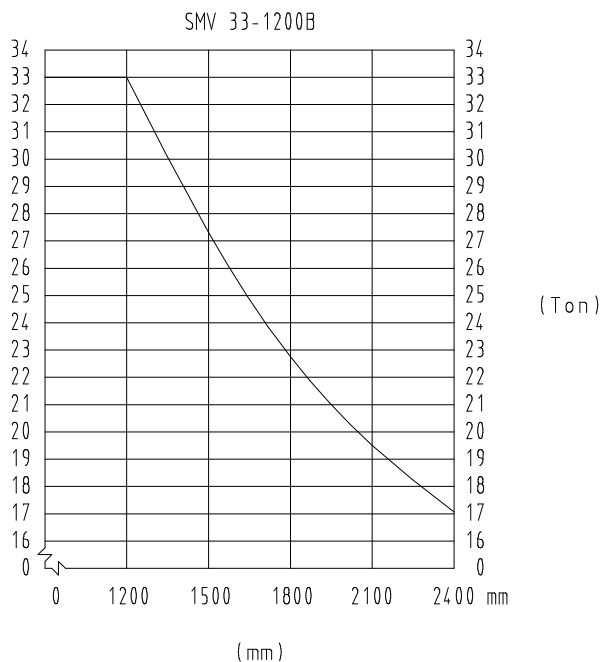
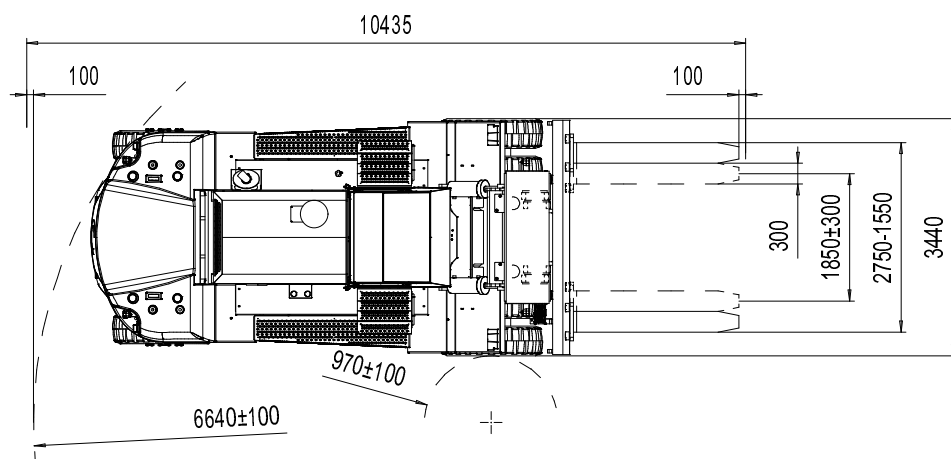
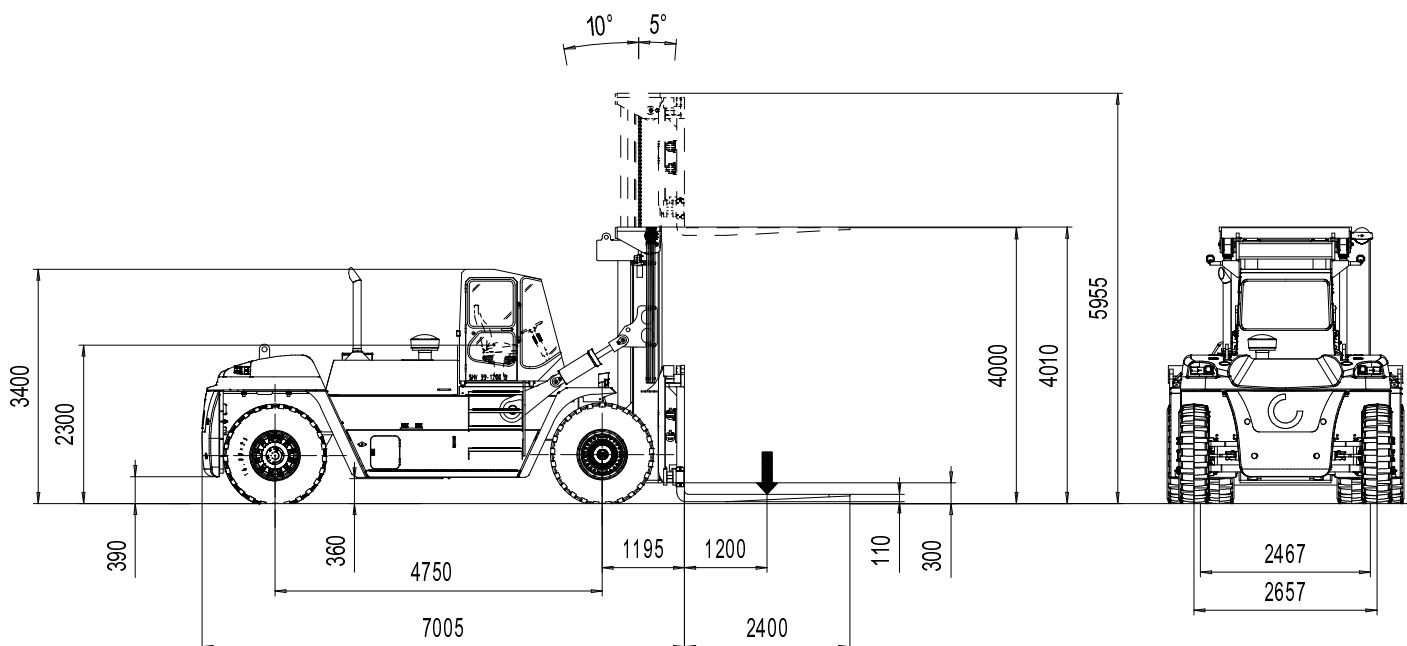


## TECHNICAL DATA : SMV 33-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm	33000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,32 / 0,27
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	22 / 20
Drive speed reverse, unloaded / at rated load	km/h	22 / 20
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	46 / 32
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	315 / 215
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	42400
Axle pressure front, unloaded / at rated load	kg	20800 / 70400
Axle pressure rear, unloaded / at rated load	kg	21600 / 5000
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Scania DI-12-54A1
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	222 / 2100
Torque ISO 3046 / at speed	Nm / rpm	1446 / 1200
Displacement / No. of cylinders / type	L / /	11,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	12 – 14
Alternator, type/power	W / Amp	AC / 1820 / 65
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-27400
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		4 / 4
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D91
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3440
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
Number of wheels, front+rear / Type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	0,9 / 0,9
Tire dimensions (Ply rating) front / rear	Inch (No)	16.00 x 25" (PR 32) / 16.00 x 25" (PR 32)
Rim dimension front / rear	Inch	11.25 x 25" / 11.25 x 25"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	22
<b>TANK VOLUMES</b>		
Diesel tank volume	L	371
Hydraulic tank volume	L	406
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	73
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	75
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	111
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNISCHE DATA

## SMV 33-1200 B



## TECHNICAL DATA : SMV 37-1200 B

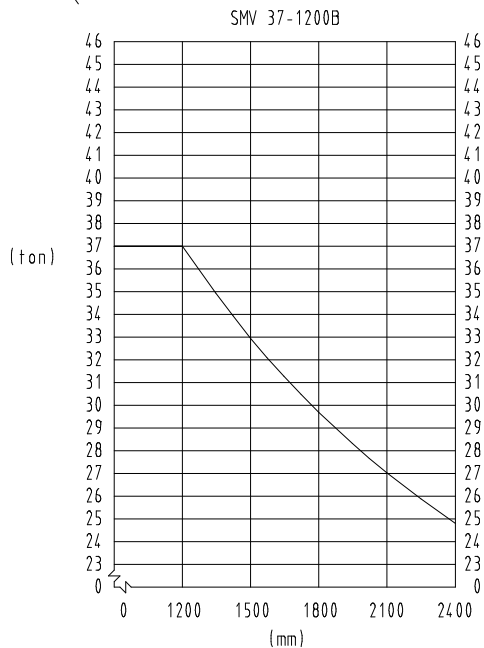
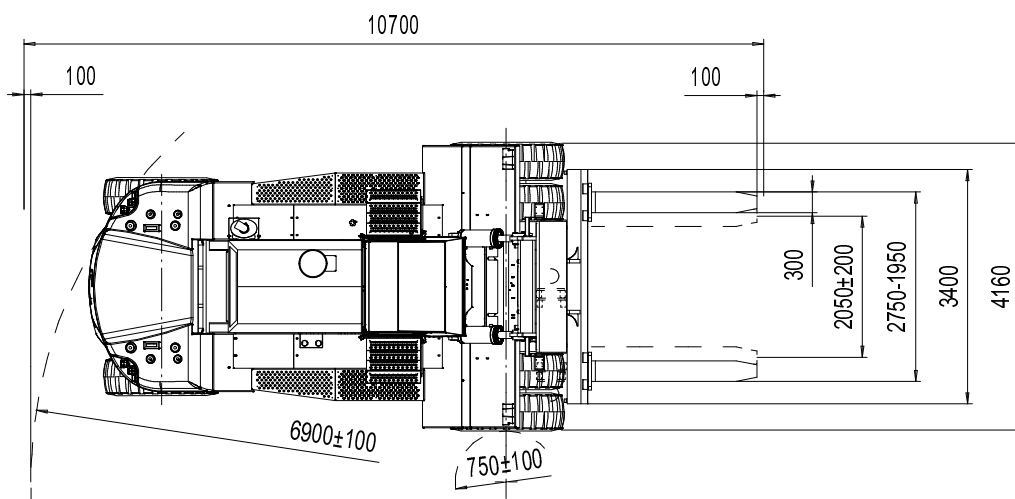
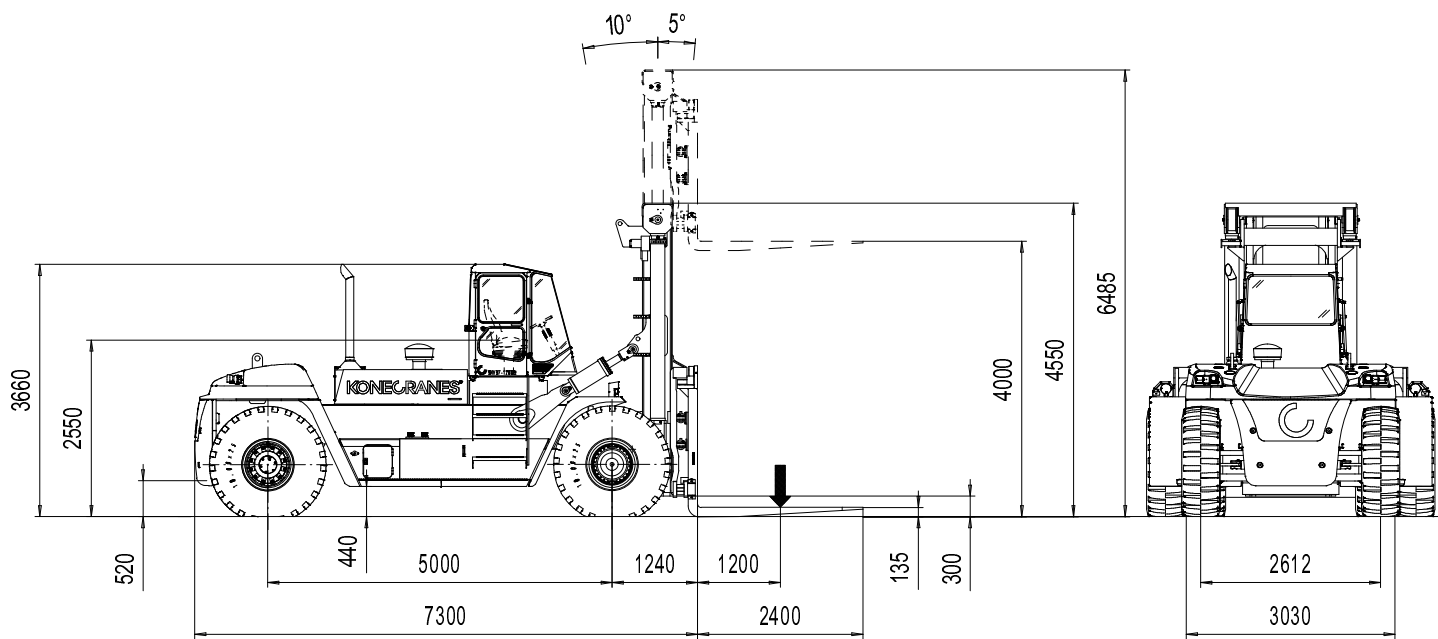
<b>LIFTING DATA</b>			
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm		37000 / 1200
Lifting speed, unloaded / at rated load	m/s		0,26 / 0,21
Lowering speed, unloaded / at rated load	m/s		0,40 / 0,40
<b>DRIVING DATA</b>			
Drive speed forward, unloaded / at rated load	km/h		24 / 23
Drive speed reverse, unloaded / at rated load	km/h		24 / 23
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%		37 / 28
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN		309 / 248
<b>SERVICE WEIGHT / AXLE PRESSURE</b>			
Service weight	kg		49600
Axle pressure front, unloaded / at rated load	kg		25700 / 80800
Axle pressure rear, unloaded / at rated load	kg		23900 / 5800
<b>ENGINE (electronic controlled)</b>			
Engine make / model name			Scania DI-12-54A
Emission approval EU / US			EU Stage II / US Tier 2
Monitoring / emission controlled / CanBus			Yes / yes / yes
Fuel / type of engine / intercooler			Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm		243 / 2100
Torque ISO 3046 / at speed	Nm / rpm		1589 / 1200
Displacement / No. of cylinders / type	L / /		11,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h		13 – 15
Alternator, type/power	W / Amp		AC / 1820 / 65
Starting battery, voltage/capacity	V / Ah		2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>			
Transmission make / model name			Dana TE-27400
Monitoring / reverse protection / CanBus			Yes / yes / yes
Clutch, type			Torque converter
Transmission type / type of shift gear			Softshift – Powershift / Automatic
No. of gears, forward/reverse			4 / 4
<b>DRIVE AXLE &amp; STEER SYSTEM</b>			
Drive axle make / model name			Kessler D102
Drive axle type / drive axle width	/ mm		Differential + hub reduction / 4160
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>			
Steer axle make / type			Konecranes / double acting single cylinder
Steering system			Hydraulic servo assisted / power steering
<b>WHEELS</b>			
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)		18.00 x 25" (PR 40) / 18.00 x 25" (PR 40)
Rim dimension front / rear	Inch		13.00 x 25" / 13.00 x 25"
<b>HYDRAULIC SYSTEM</b>			
Hydraulic pump make / model name			Parker & Hannifin / P2-series
Hydraulic system / pump type			Load sensing system / variable piston pump
Power-on-demand / Low energy			Yes / yes
Hydraulic oil pressure mast	MPa		20
<b>TANK VOLUMES</b>			
Diesel tank volume	L		410
Hydraulic tank volume	L		480
<b>LIFTING EQUIPMENT</b>			
Lift mast make / model			Konecranes / Duplex standard
Lift mast type / design			2-stage / free visibility
Fork carriage make / model			Konecranes / integral double forks
Fork carriage type			Hydraulic side shift & fork positioning
<b>OTHERS</b>			
Noise level (inside Cab / Lm)	DIN 45635	dB(A)	73
Noise level (inside Cab/ LpAZ)	EN 12053	dB(A)	76
Noise level (outside at 7 m/ Lwa)	2000/14/EC	dB(A)	111
Tow pin (rear) / type			Yes / Pin type
<b>NORMS &amp; STANDARDS</b>			
Machine Directive in Europe	98 / 37 EC		Yes
Stability of Industrial Trucks	ISO 1074		Yes
Safety of Industrial Trucks	EN 1551		Yes

# TECHNICAL DATA

## SMV 37-1200 B

# KONECRANES®

Lifting Businesses™



KONECRANES LIFTTRUCKS AB

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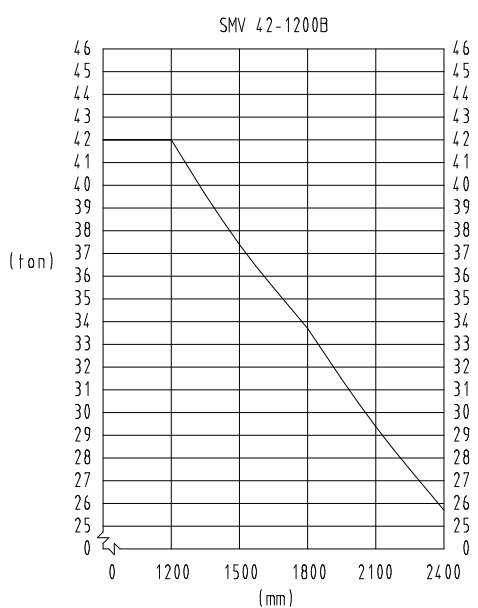
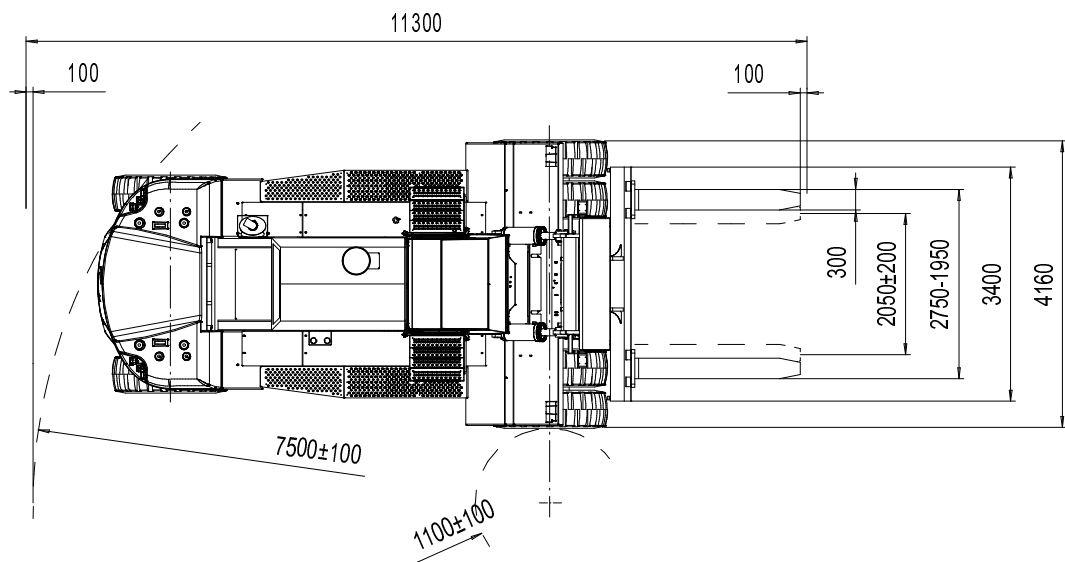
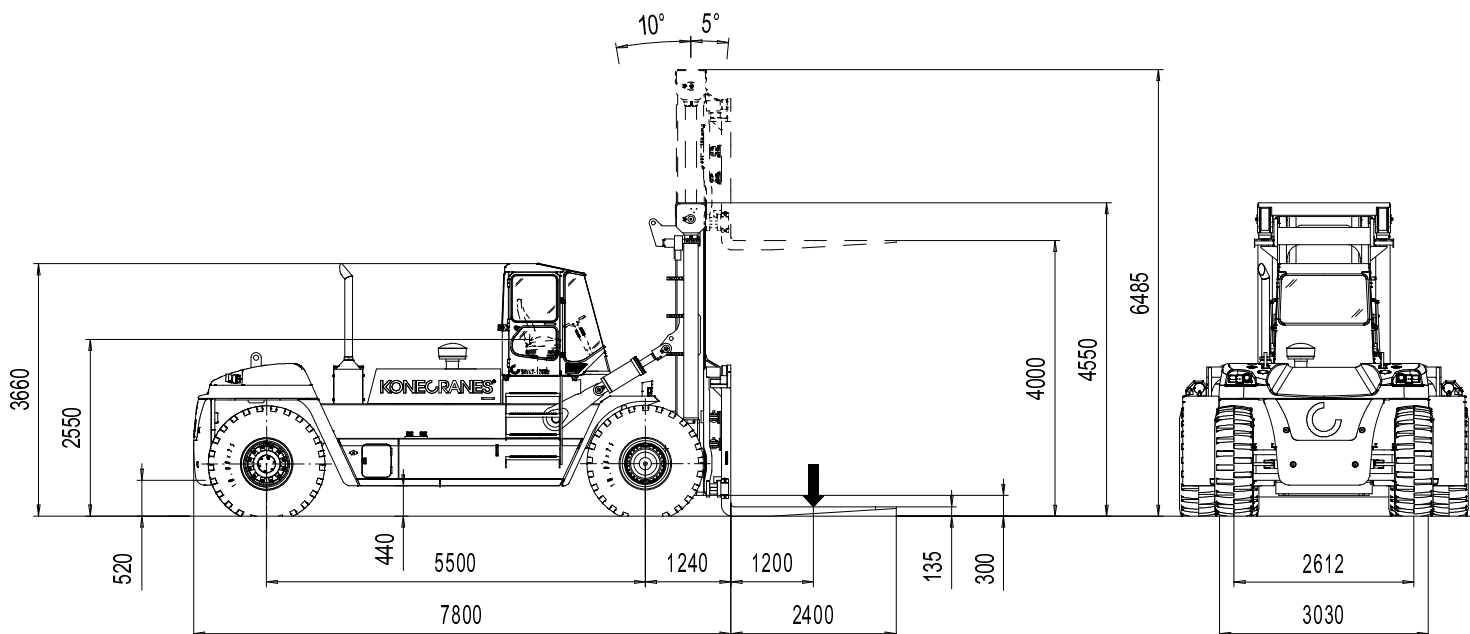
Konecranes Lifttrucks reserve the right to alter design and specification without prior notice

## TECHNICAL DATA : SMV 42-1200 B

<b>LIFTING DATA</b>			
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm		42000 / 1200
Lifting speed, unloaded / at rated load	m/s		0,26 / 0,21
Lowering speed, unloaded / at rated load	m/s		0,40 / 0,40
<b>DRIVING DATA</b>			
Drive speed forward, unloaded / at rated load	km/h		24 / 23
Drive speed reverse, unloaded / at rated load	km/h		24 / 23
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%		34 / 26
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN		309 / 248
<b>SERVICE WEIGHT / AXLE PRESSURE</b>			
Service weight	kg		50100
Axle pressure front, unloaded / at rated load	kg		25600 / 86300
Axle pressure rear, unloaded / at rated load	kg		24500 / 5800
<b>ENGINE (electronic controlled)</b>			
Engine make / model name			Scania DI-12-54A
Emission approval EU / US			EU Stage II / US Tier 2
Monitoring / emission controlled / CanBus			Yes / yes / yes
Fuel / type of engine / intercooler			Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm		243 / 2100
Torque ISO 3046 / at speed	Nm / rpm		1589 / 1200
Displacement / No. of cylinders / type	L / /		11,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h		13 – 15
Alternator, type/power	W / Amp		AC / 1820 / 65
Starting battery, voltage/capacity	V / Ah		2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>			
Transmission make / model name			Dana TE-27400
Monitoring / reverse protection / CanBus			Yes / yes / yes
Clutch, type			Torque converter
Transmission type / type of shift gear			Softshift – Powershift / Automatic
No. of gears, forward/reverse			4 / 4
<b>DRIVE AXLE &amp; STEER SYSTEM</b>			
Drive axle make / model name			Kessler D102
Drive axle type / drive axle width	/ mm		Differential + hub reduction / 4160
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>			
Steer axle make / type			Konecranes / double acting single cylinder
Steering system			Hydraulic servo assisted / power steering
<b>WHEELS</b>			
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)		18.00 x 25" (PR 40) / 18.00 x 25" (PR 40)
Rim dimension front / rear	Inch		13.00 x 25" / 13.00 x 25"
<b>HYDRAULIC SYSTEM</b>			
Hydraulic pump make / model name			Parker & Hannifin / P2-series
Hydraulic system / pump type			Load sensing system / variable piston pump
Power-on-demand / Low energy			Yes / yes
Hydraulic oil pressure mast	MPa		21
<b>TANK VOLUMES</b>			
Diesel tank volume	L		550
Hydraulic tank volume	L		630
<b>LIFTING EQUIPMENT</b>			
Lift mast make / model			Konecranes / Duplex standard
Lift mast type / design			2-stage / free visibility
Fork carriage make / model			Konecranes / integral double forks
Fork carriage type			Hydraulic side shift & fork positioning
<b>OTHERS</b>			
Noise level (inside Cab / Lm)	DIN 45635	dB(A)	73
Noise level (inside Cab/ LpAZ)	EN 12053	dB(A)	76
Noise level (outside at 7 m/ Lwa)	2000/14/EC	dB(A)	111
Tow pin (rear) / type			Yes / Pin type
<b>NORMS &amp; STANDARDS</b>			
Machine Directive in Europe	98 / 37 EC		Yes
Stability of Industrial Trucks	ISO 1074		Yes
Safety of Industrial Trucks	EN 1551		Yes

# TECHNICAL DATA

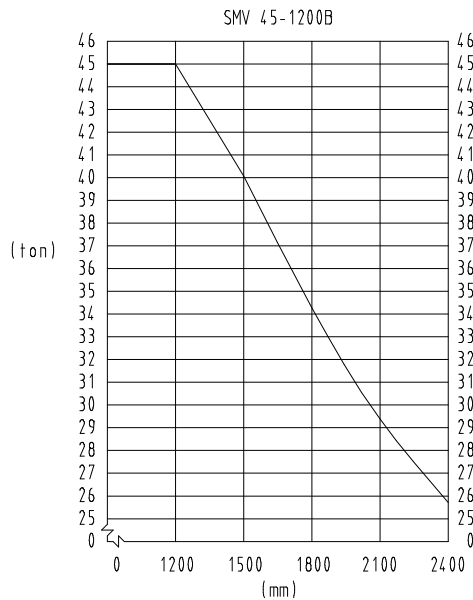
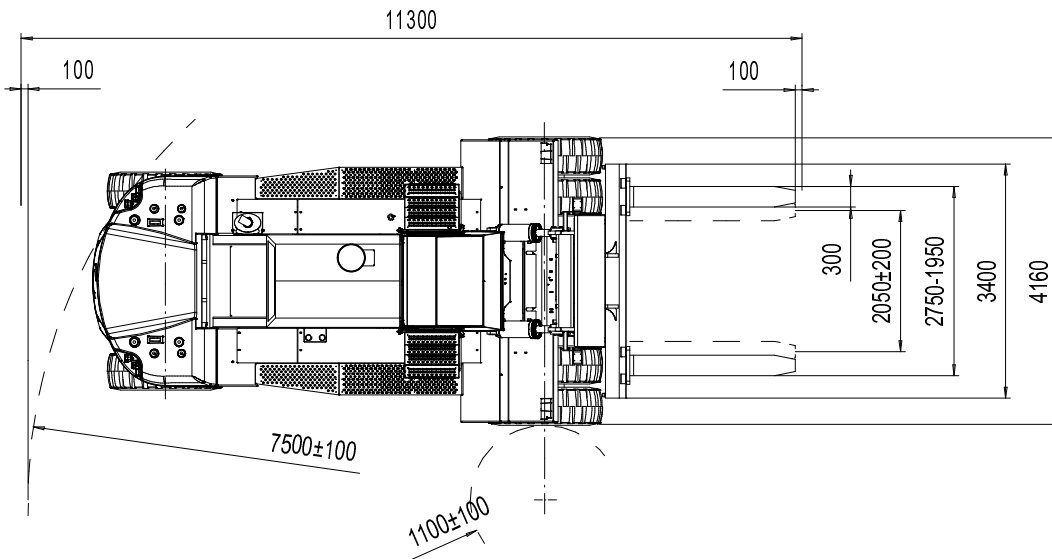
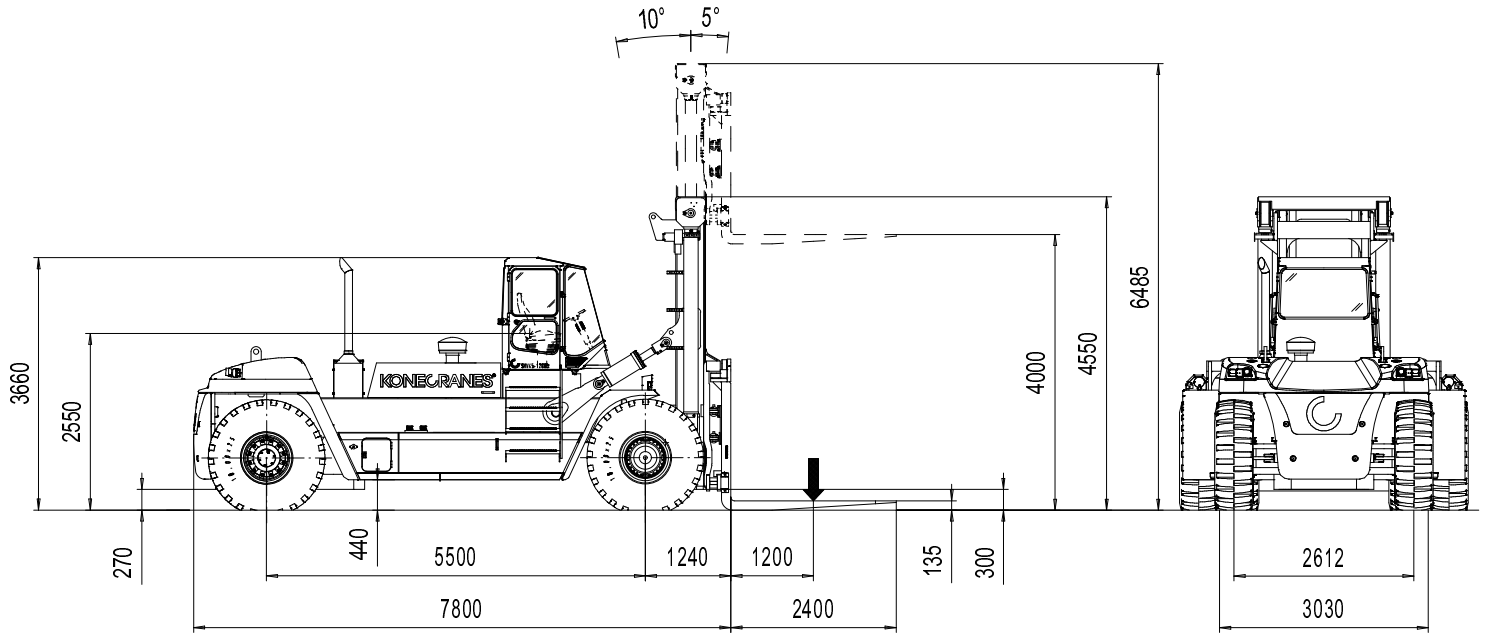
## SMV 42-1200 B





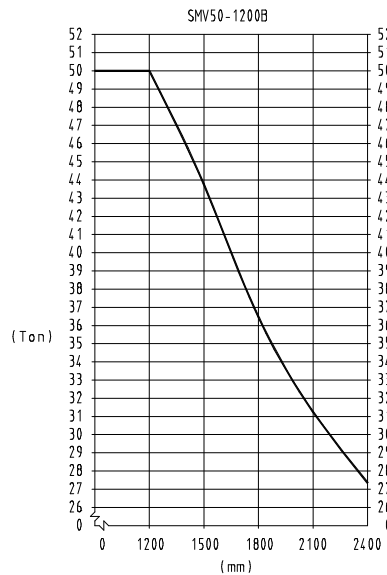
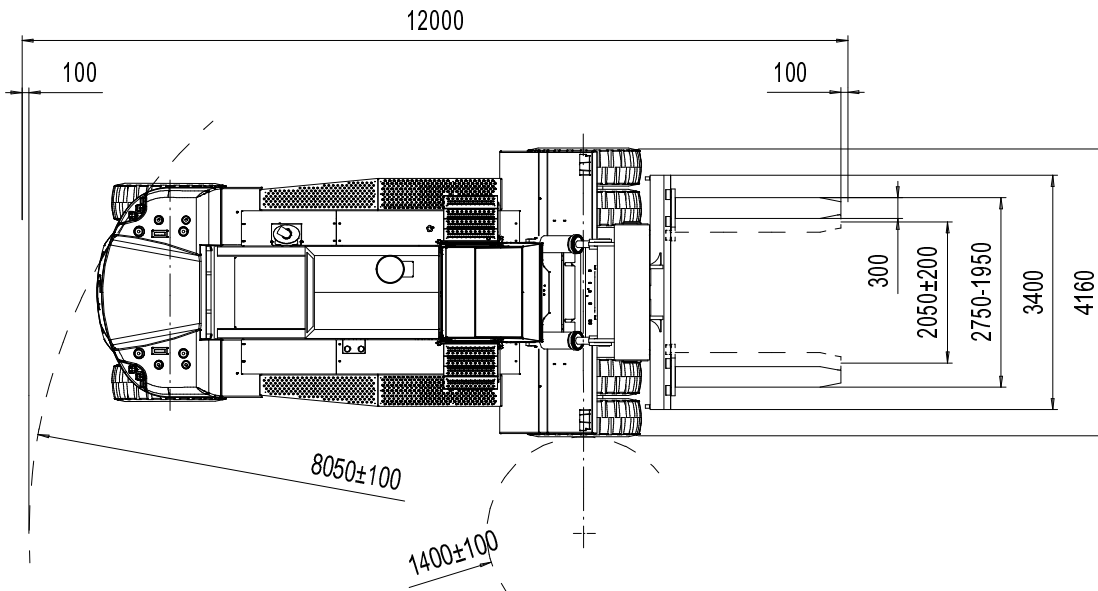
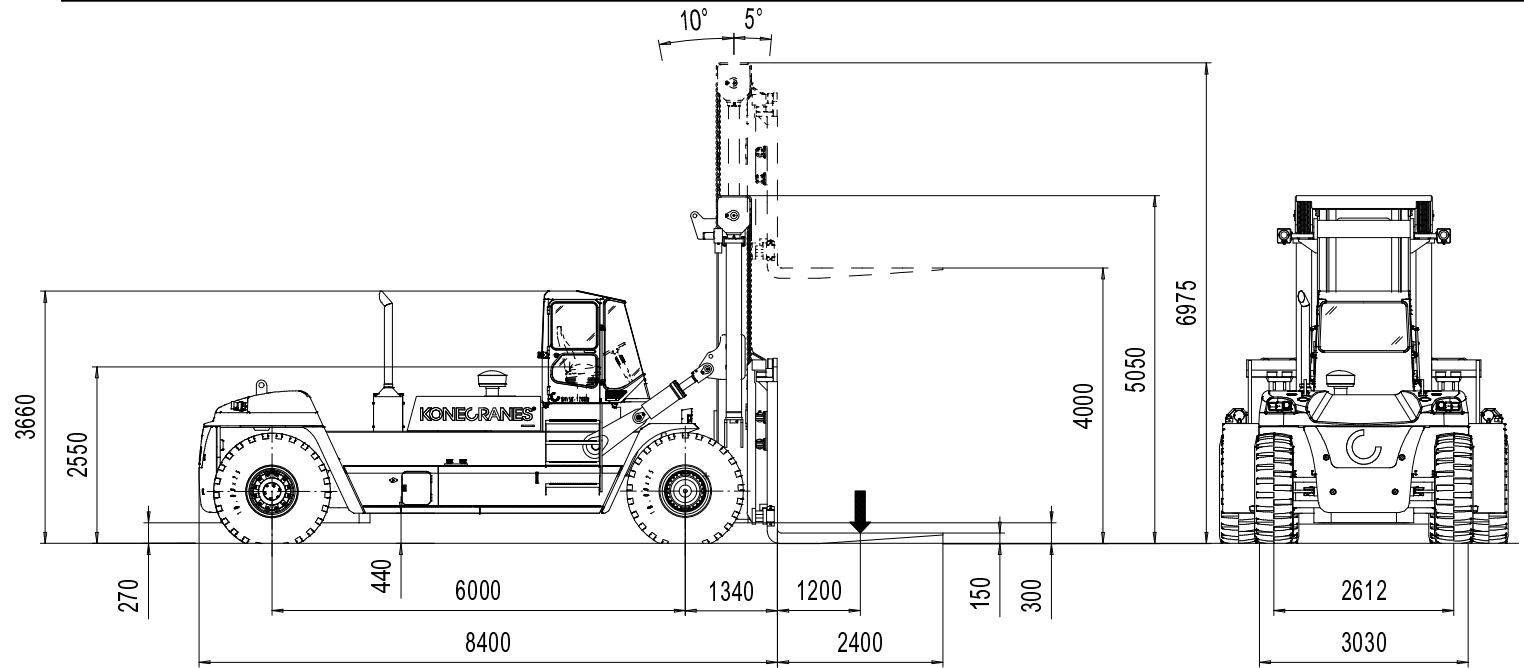
## TECHNICAL DATA : SMV 45-1200 B

<b>LIFTING DATA</b>			
Lifting capacity / Load center (up to 9000 mm / standard mast)	kg / mm		45000 / 1200
Lifting speed, unloaded / at rated load	m/s		0,26 / 0,21
Lowering speed, unloaded / at rated load	m/s		0,40 / 0,40
<b>DRIVING DATA</b>			
Drive speed forward, unloaded / at rated load	km/h		24 / 23
Drive speed reverse, unloaded / at rated load	km/h		24 / 23
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%		34 / 26
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN		309 / 248
<b>SERVICE WEIGHT / AXLE PRESSURE</b>			
Service weight	kg		51900
Axle pressure front, unloaded / at rated load	kg		25600 / 90600
Axle pressure rear, unloaded / at rated load	kg		26300 / 6300
<b>ENGINE (electronic controlled)</b>			
Engine make / model name			Scania DI-12-54A
Emission approval EU / US			EU Stage II / US Tier 2
Monitoring / emission controlled / CanBus			Yes / yes / yes
Fuel / type of engine / intercooler			Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm		243 / 2100
Torque ISO 3046 / at speed	Nm / rpm		1589 / 1200
Displacement / No. of cylinders / type	L / /		11,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h		14 – 16
Alternator, type/power	W / Amp		AC / 1820 / 65
Starting battery, voltage/capacity	V / Ah		2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>			
Transmission make / model name			Dana TE-27400
Monitoring / reverse protection / CanBus			Yes / yes / yes
Clutch, type			Torque converter
Transmission type / type of shift gear			Softshift – Powershift / Automatic
No. of gears, forward/reverse			4 / 4
<b>DRIVE AXLE &amp; STEER SYSTEM</b>			
Drive axle make / model name			Kessler D102
Drive axle type / drive axle width	/ mm		Differential + hub reduction / 4160
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>			
Steer axle make / type			Konecranes / double acting single cylinder
Steering system			Hydraulic servo assisted / power steering
<b>WHEELS</b>			
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)		18.00 x 25" (PR 40) / 18.00 x 25" (PR 40)
Rim dimension front / rear	Inch		13.00 x 25" / 13.00 x 25"
<b>HYDRAULIC SYSTEM</b>			
Hydraulic pump make / model name			Parker & Hannifin / P2-series
Hydraulic system / pump type			Load sensing system / variable piston pump
Power-on-demand / Low energy			Yes / yes
Hydraulic oil pressure mast	MPa		22
<b>TANK VOLUMES</b>			
Diesel tank volume	L		550
Hydraulic tank volume	L		630
<b>LIFTING EQUIPMENT</b>			
Lift mast make / model			Konecranes / Duplex standard
Lift mast type / design			2-stage / free visibility
Fork carriage make / model			Konecranes / integral double forks
Fork carriage type			Hydraulic side shift & fork positioning
<b>OTHERS</b>			
Noise level (inside Cab / Lm)	DIN 45635	dB(A)	73
Noise level (inside Cab/ LpAZ)	EN 12053	dB(A)	76
Noise level (outside at 7 m/ Lwa)	2000/14/EC	dB(A)	111
Tow pin (rear) / type			Yes / Pin type
<b>NORMS &amp; STANDARDS</b>			
Machine Directive in Europe	98 / 37 EC		Yes
Stability of Industrial Trucks	ISO 1074		Yes
Safety of Industrial Trucks	EN 1551		Yes



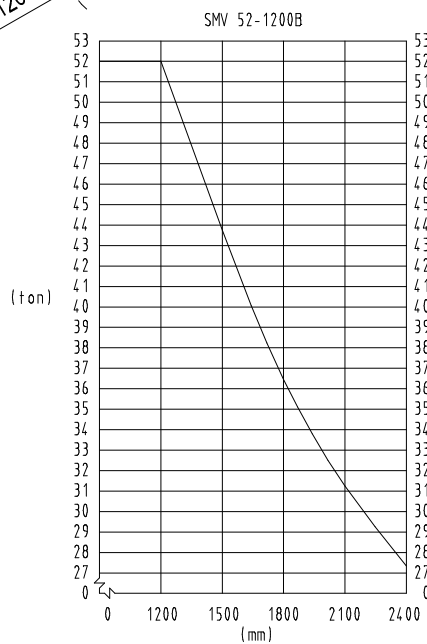
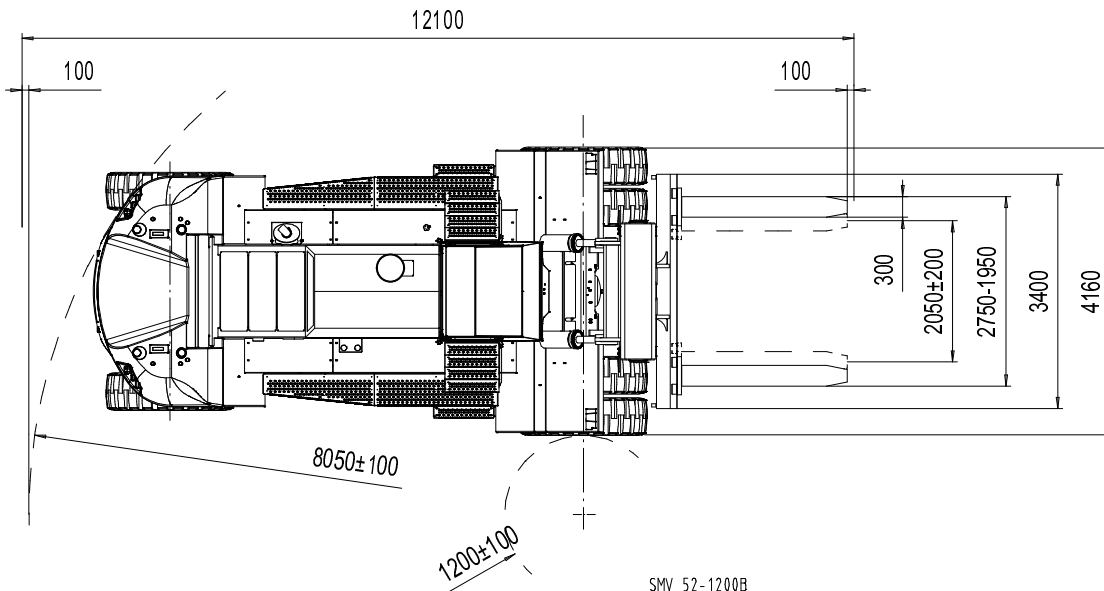
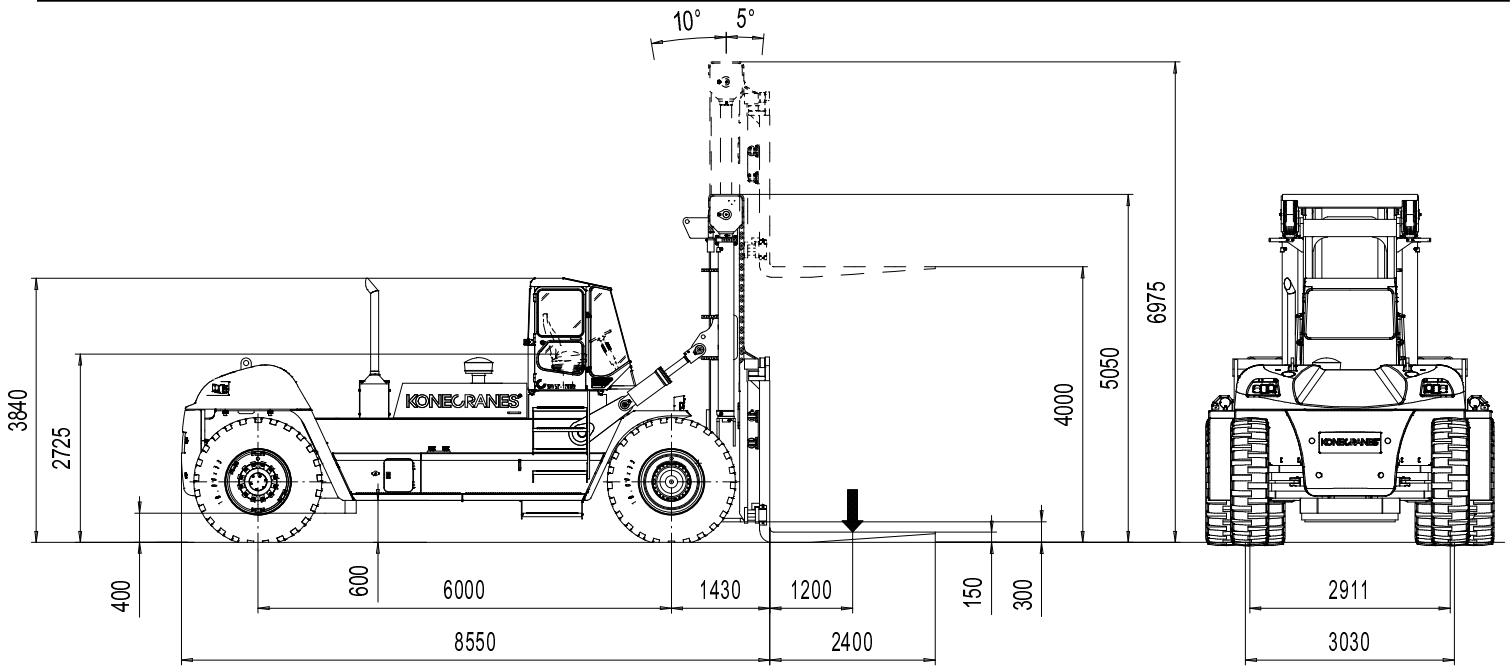
## TECHNICAL DATA : SMV 50-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 6000 mm / standard mast)	kg / mm	50000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,21 / 0,16
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	24 / 22
Drive speed reverse, unloaded / at rated load	km/h	24 / 22
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	28 / 23
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	313 / 253
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	58100
Axle pressure front, unloaded / at rated load	kg	30500 / 101700
Axle pressure rear, unloaded / at rated load	kg	27600 / 6400
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Scania DI-12-54A
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	243 / 2100
Torque ISO 3046 / at speed	Nm / rpm	1589 / 1200
Displacement / No. of cylinders / type	L / /	11,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	15 – 17
Alternator, type/power	W / Amp	AC / 1820 / 65
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-27400
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		4 / 4
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D102
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 4160
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	18.00 x 25" (PR 40) / 18.00 x 25" (PR 40)
Rim dimension front / rear	Inch	13.00 x 25" / 13.00 x 25"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	19
<b>TANK VOLUMES</b>		
Diesel tank volume	L	550
Hydraulic tank volume	L	630
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	73
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	76
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	111
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes



## TECHNICAL DATA : SMV 52-1200 B

<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 6000 mm / standard mast)	kg / mm	52000 / 1200
Lifting speed, unloaded / at rated load	m/s	0,21 / 0,16
Lowering speed, unloaded / at rated load	m/s	0,40 / 0,40
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	26 / 23
Drive speed reverse, unloaded / at rated load	km/h	26 / 23
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	35 / 23
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	260 / 214
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	61700
Axle pressure front, unloaded / at rated load	kg	32000 / 106800
Axle pressure rear, unloaded / at rated load	kg	29700 / 6900
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Scania DI-12-54A
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	243 / 2100
Torque ISO 3046 / at speed	Nm / rpm	1589 / 1200
Displacement / No. of cylinders / type	L / /	11,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	15 – 18
Alternator, type/power	W / Amp	AC / 1820 / 65
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-27400
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		4 / 4
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D106
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 4160
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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)	18.00 x 33" (PR 36) / 18.00 x 33" (PR 36)
Rim dimension front / rear	Inch	13.00 x 33" / 13.00 x 33"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	22
<b>TANK VOLUMES</b>		
Diesel tank volume	L	550
Hydraulic tank volume	L	630
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	73
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	76
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	111
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes



## TECHNICAL DATA : SMV 60-1500 B

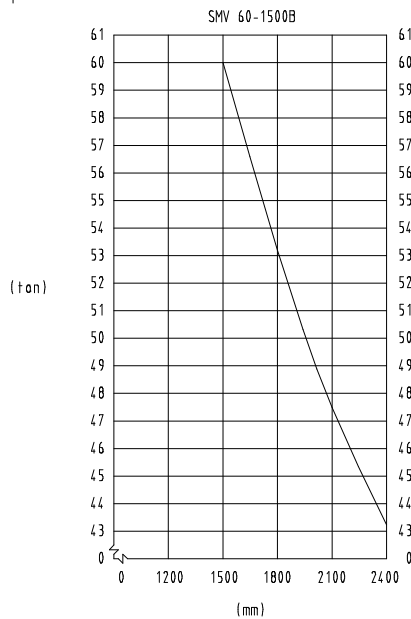
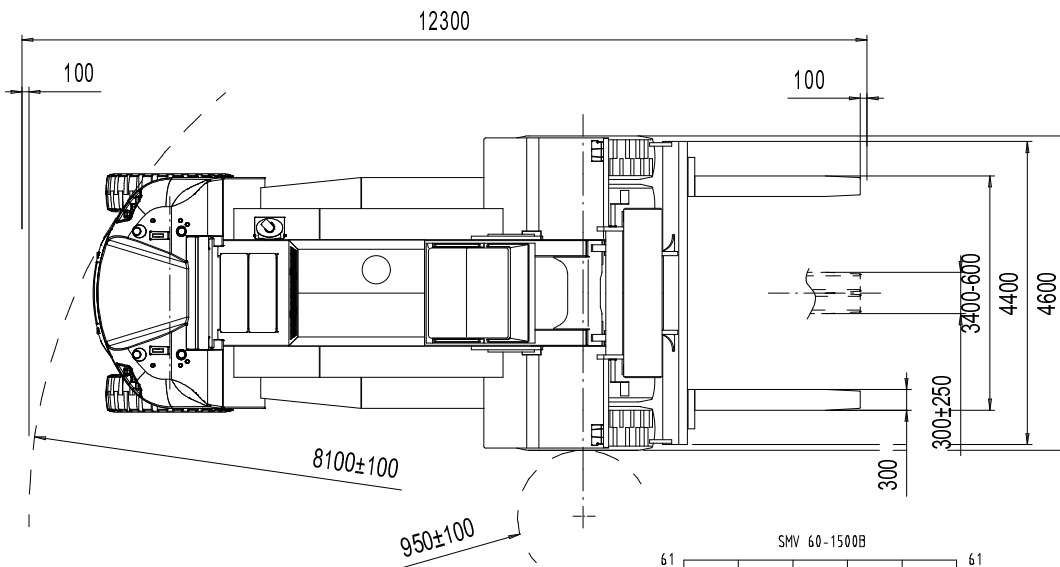
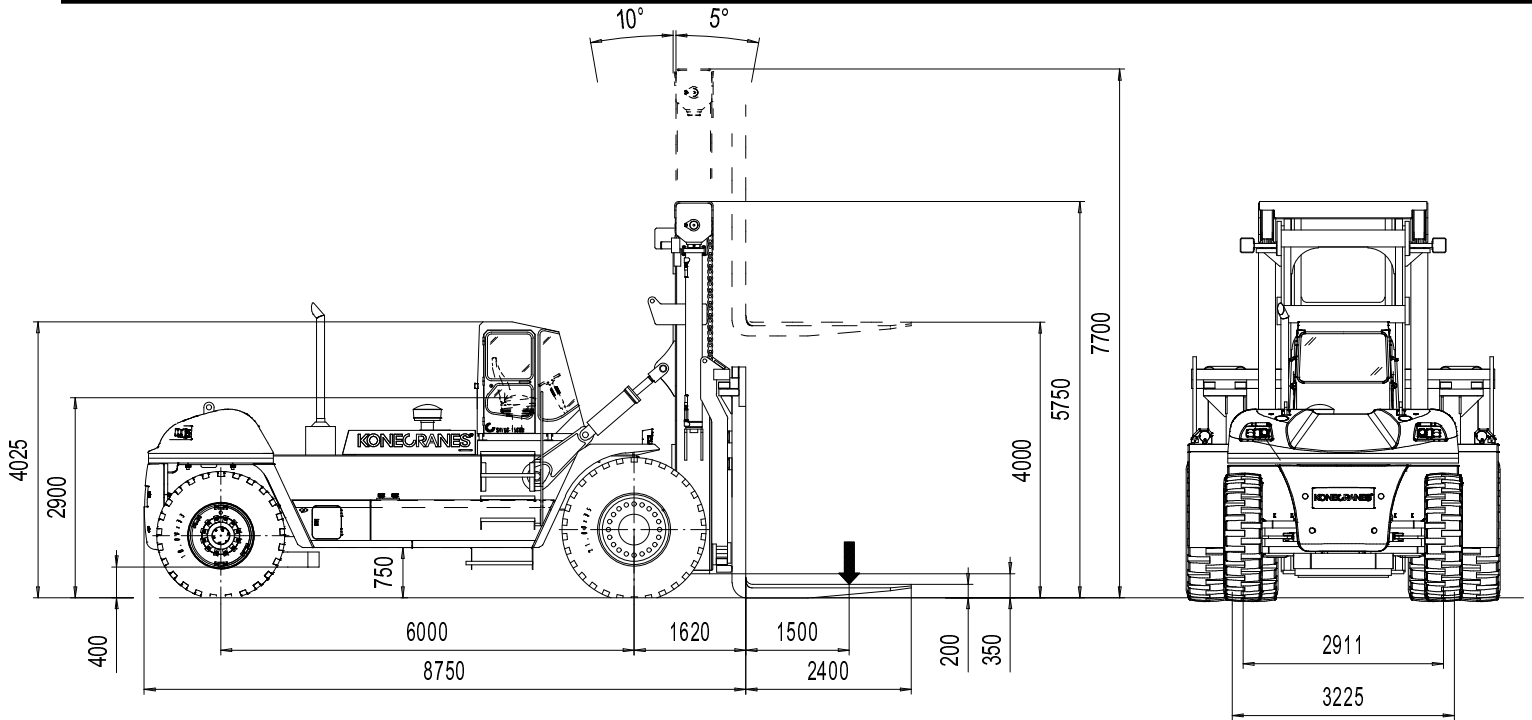
<b>LIFTING DATA</b>		
Lifting capacity / Load center (up to 6000 mm / standard mast)	kg / mm	60000 / 1500
Lifting speed, unloaded / at rated load	m/s	0,21 / 0,16
Lowering speed, unloaded / at rated load	m/s	0,22 / 0,26
<b>DRIVING DATA</b>		
Drive speed forward, unloaded / at rated load	km/h	29 / 22
Drive speed reverse, unloaded / at rated load	km/h	29 / 22
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	23 / 17
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	360 / 275
<b>SERVICE WEIGHT / AXLE PRESSURE</b>		
Service weight	kg	89600
Axle pressure front, unloaded / at rated load	kg	48300 / 139600
Axle pressure rear, unloaded / at rated load	kg	41300 / 10000
<b>ENGINE (electronic controlled)</b>		
Engine make / model name		Scania DI-12-56A
Emission approval EU / US		St II / Tier 2
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel/4-stroke/ yes
Power ISO 3046 / at speed	kW / rpm	294 / 2100
Torque ISO 3046 / at speed	Nm / rpm	1800 / 1200
Displacement / No. of cylinders / type	L / /	11,7 / 6-cyl / Inline
Fuel consumption, normal driving	L/h	18 – 20
Alternator, type/power	W / Amp	AC / 1820 / 65
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
<b>TRANSMISSION (electronic controlled)</b>		
Transmission make / model name		Dana TE-32400
Monitoring / reverse protection / CanBus		Yes / yes / yes
Clutch, type		Torque converter
Transmission type / type of shift gear		Softshift – Powershift / Automatic
No. of gears, forward/reverse		4 / 4
<b>DRIVE AXLE &amp; STEER SYSTEM</b>		
Drive axle make / model name		Kessler D111
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 4600
Service 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
<b>STEER AXLE &amp; STEER SYSTEM</b>		
Steer axle make / type		Konecranes / double acting single cylinder
Steering system		Hydraulic servo assisted / power steering
<b>WHEELS</b>		
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) / 18.00 x 33" (PR 36)
Rim dimension front / rear	Inch	15.00 x 35" / 13.00 x 33"
<b>HYDRAULIC SYSTEM</b>		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy		Yes / yes
Hydraulic oil pressure mast	MPa	24
<b>TANK VOLUMES</b>		
Diesel tank volume	L	550
Hydraulic tank volume	L	650
<b>LIFTING EQUIPMENT</b>		
Lift mast make / model		Konecranes / Duplex standard
Lift mast type / design		2-stage / free visibility
Fork carriage make / model		Konecranes / integral double forks
Fork carriage type		Hydraulic side shift & fork positioning
<b>OTHERS</b>		
Noise level (inside Cab / Lm) DIN 45635	dB(A)	73
Noise level (inside Cab/ LpAZ) EN 12053	dB(A)	76
Noise level (outside at 7 m/ Lwa) 2000/14/EC	dB(A)	112
<b>NORMS &amp; STANDARDS</b>		
Machine Directive in Europe	98 / 37 EC	Yes
Stability of Industrial Trucks	ISO 1074	Yes
Safety of Industrial Trucks	EN 1551	Yes

# TECHNICAL DATA

## SMV 60-1500 B

# KONECRANES®

## Lifting Businesses™



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Konecranes Lifttrucks reserve the right to alter design and specification without prior notice