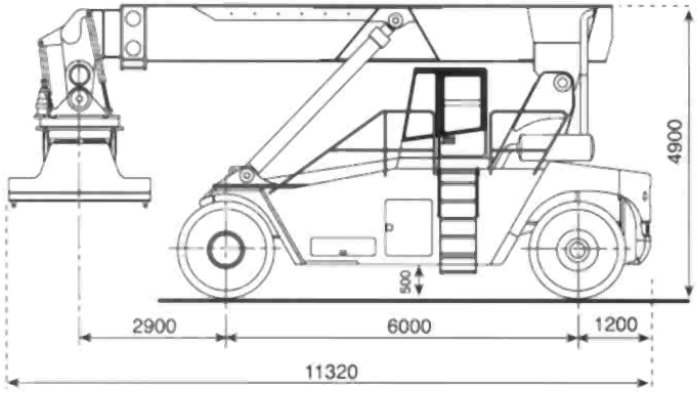
OMEGA

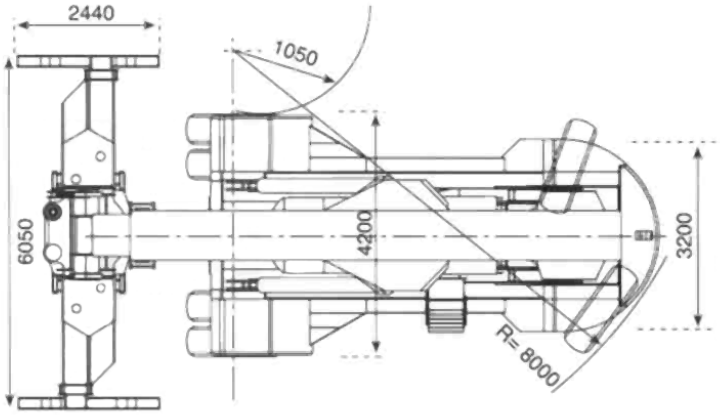
MODELS: RS45E MEGASTACKER

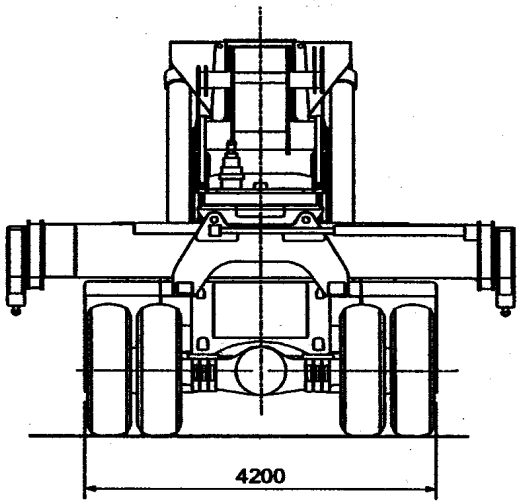
Capacity 45,000 kgs at 1900mm load centre

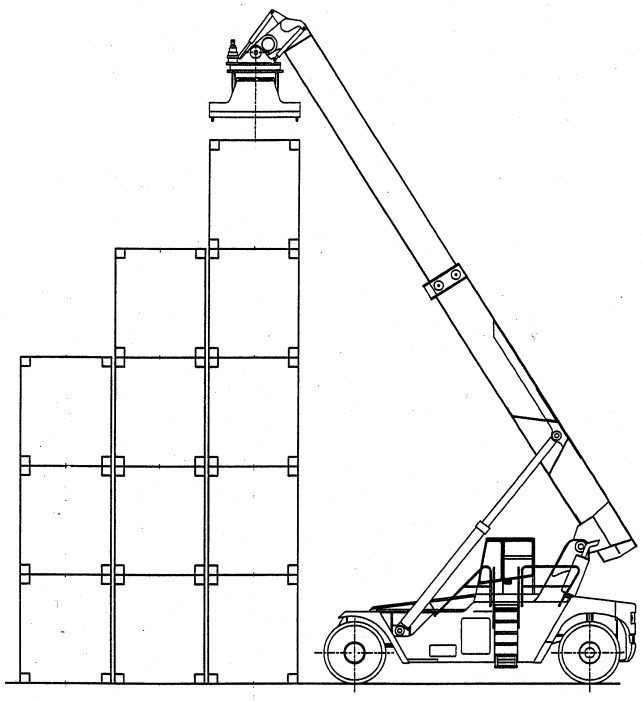
- Ω Volvo 238 Kw (324HP) Electronic Engine
- Ω Dana TE27 Electronic Transmission
- Ω Canbus Electronic Control
- Ω Wet disc brakes, oil cooled
- Ω Automatic transmission control
- Ω Joystick servo controls
- Ω Ergonomic cab and controls
- Ω 20/40 Top lift Frame
- Ω Low noise levels
- Ω Sliding Cab (optional)
- Ω Engine Protection System
- Ω OMEGAWATCH monitoring and protection system
- Ω Centralised lubrication

clark equipment









CAPACITIES in Accordance with Australian Standard.			
MODEL	**1st Row**	**2nd Row**	**3rd Row**
RS45E	45,000kg	29,000kg	14,000kg
Load Centre	1900mm	3850mm	6350mm

CAPACITIES in Accordance with European Standard.			
MODEL	**1st Row**	**2nd Row**	**3rd Row**
RS45E	45,000kg	31,000kg	15,000kg
Load Centre	1900mm	3850mm	6350mm

Specification Data

		MANUFACTURER	ABBREVIATION		OMEGA	
Capacity	1	MODEL	Manufacturers designation		**RS45E**	1
	2	LOAD CAPACITY	@ 1900/3850/6350 load centre in Accd to Aust Std	t	45/29/14.	2
	3	LOAD RATING		t	N/A	3
	4	LOAD CENTRE		mm	1900/3850/6350	4
	5					5
Dimensions	6	OVERALL DIMENSIONS	Overall length	mm	11320	6
	7		B1 Width (over tyres). Front/Rear	mm	4200/3300	7
	8		H2 Height lowered-see table	mm	4900	8
	9		Max Height under twistlocks 5x9'6	mm	15000	9
	10		Max Height under twistlocks 6x8'6	mm	N/A	10
	11		Min centerline of front axle to load centre	mm	2900	11
	12	TURNING RADIUS	Basic tractor Inside tyre to counterweight	mm	8000	12
	13	90° STACKING AISLE	Aisle for 20'containers	mm		13
	14		Aisle for 40'containers	mm		14
Attachments	15	STANDARD SPREADER	Rotation	deg	-95° / +185°	15
	16		Side shifting	mm	-800 / +800	16
	17		Side sloping (mechanic)	deg	± 3°	17
	18	INTERMODAL SPREADER	Rotation	deg	-95° / +185°	18
	19		Side shifting	mm	-800 / +800	19
	20		Side sloping (mechanic)	deg	± 6°	20
	21					21
Performance	22					22
	23	SPEEDS	Drive speed unladen / laden	km/h	25 / 23	23
	24		Lifting speed unladen / laden	m/s	0.38 / 0.23	24
	25		Lowering speed unladen / laden	m/s	0.30 / 0.23	25
	26	MAX. DRAWBAR PULL	unladen / laden	kg's	30,000/26,000	26
	27					27
	29	MAX. GRADEABILITY	Unladen / laden	%	30 / 26	29
Weights.	30	WITH STANDARD SPREADER	Total weight unladen / laden	kg	72,000/117,000	30
	32		Weight on drive axle unladen / laden	kg	38,000 / 90,200	32
	33		Weight on steer axle unladen / laden	kg	34,000 / 26,800	33
	34	WITH PIGGY BACK SPREADER	Total weight unladen / laden	kg	76,000/ 118,000	34
	35		Weight on drive axle unladen / laden	kg	44,000 / 94,000	35
	36		Weight on steer axle unladen / laden	kg	32,000 / 24,000	36
Chassis	37					
	38	TYRES	Number front/rear		4/2	37
	39			Front	18.00-25 40PR	38
	40			Rear	18.00-25 40PR	42
	41	WHEEL BASE		mm	6000	43
Driveline	42	BRAKES	Service		Wet Disc	44
	43		Parking - Spring applied hydraulic released		Drive line	47
	44	BATTERY	Volts/Ampere Hrs. (max capacity)	V/Ah	24 V/200	48
	47	CAPACITIES	FUEL TANK	litres	500	49
	48		HYDRAULIC TANK	litres	850	50
	49	ENGINE	Make		Volvo	51
	50		Model – Diesel		TAD942VE	52
	51		No cylinders / displacement		6 / 9360cm^3	53
	52		Max power	kw@rpm	238 @ 2000	54
	53		Max Torque	Nm@rpm	1515 @ 1500	55
	54		Fuel specific consumption	g/Kwh	195	57
	55		Generator		80A	58
	57		Batteries		24V / 200Ah	59
	58	TRANSMISSION	Make – model		Dana TE27	60
	59		No of speeds		4F / 4R	61
	60	SOUND LEVEL	Average at drivers ear	dB(A)	74	62
						63

OMEGA

Specification Data

Cabin
- Ω Fixed closed cabin (hydraulic sliding cab as option)
- Ω Safety glass total visibility
- Ω Sound proof dBA 74 (inside cabin)
- Ω Ergonomic dashboard and control panel
- Ω Heating and ventilation (aircon as option)
- Ω Adjustable seat and steering wheel
- Ω Multifunction joystick
- Ω Wipers on rear, front and top wind screen
- Ω Secondary seat – Armrest

Transmission
- Ω Dana (Clark) TE27 4 speed powershift with Canbus electronic control.
- Ω Fully automatic shift control prevents directional changes with the unit in motion.

Drive Axle and Brakes
- Ω Heavy Duty Planetary
- Ω Wet disc brakes – hydraulic operated
- Ω Optional dry disc brakes on steer axle –
- Ω Parking brake: Dry Disc – Mechanical on drive shaft.

Steer Axle
- Ω Oscillating equalizer – Single cylinder

Hydraulic System
- Ω No. 2 triple pumps
- Ω No. 2 proportional distributors with regenerative system
- Ω No 4 10 Micron filters on return line / No.2 10 Micron filters on delivery line
- Ω Max working pressure = 200 bar
- Ω Hydraulic oil cooling system
- Ω Brakes oil cooling system

Safety devices
- Ω Electronic Anti-Overload device
- Ω Safety valves with speed limited on cylinders
- Ω Dead man handle
- Ω Device inhibiting F/R gearshift with machine in motion
- Ω Parking brake engagement in case of system loss of pressure.

Telescopic Boom
- Ω No. 2 double acting lifting cylinders
- Ω No. 1 double acting telescopic cylinder
- Ω Boom angle 0°-60°

Materials
- Ω Boom – Weldox 700
- Ω Chassis – Fe510D (Fe52)
- Ω Spreader – Weldox 700 / Fe510D

Spreader
- Ω Telescopic type for ISO 20'-40' containers
- Ω 2 anti-damping cylinders
- Ω Locking only after correct landing
- Ω Lifting only after correct locking
- Ω Unlocking only after correct landing
- Ω Anti-collision rotation limit switch
- Ω Boom lowering stop device when spreader is seated

Options
- Ω Air conditioning
- Ω Hydraulic sliding cab
- Ω Automatic greasing system.