

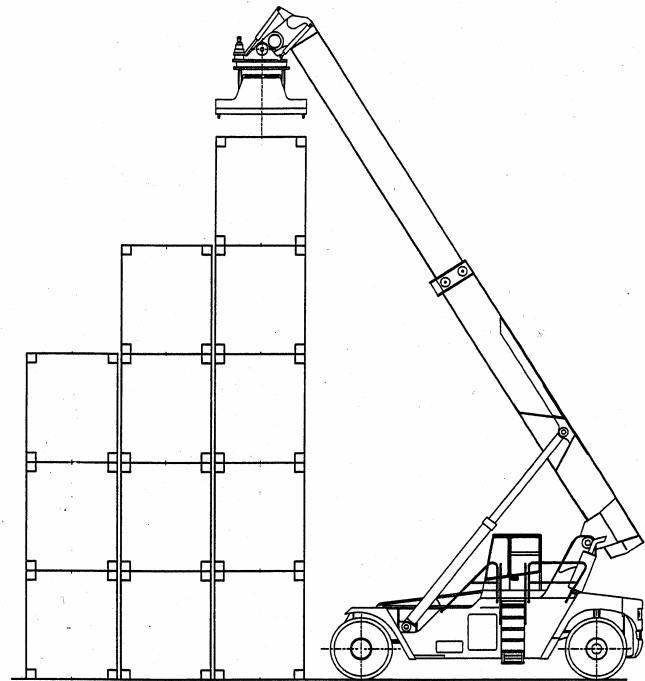
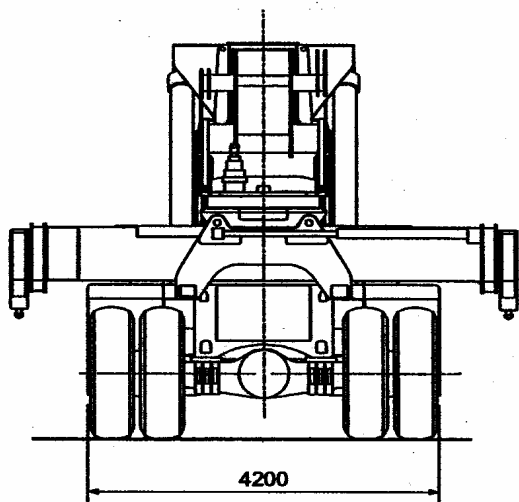
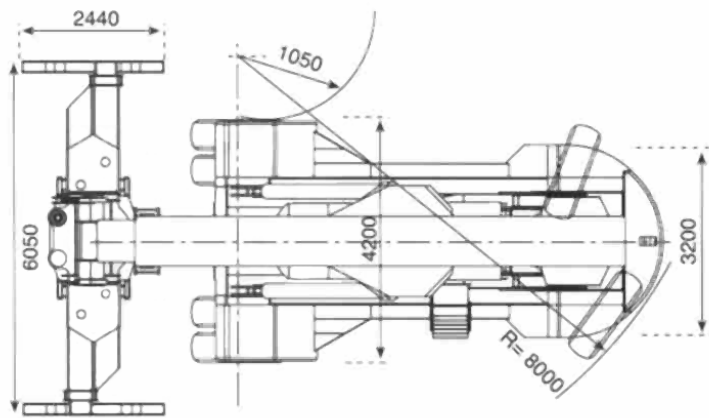
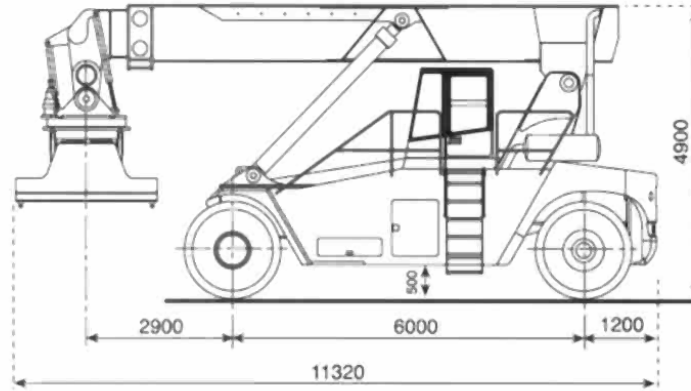
OMEGA

MODEL: RS45E MEGASTACKER



Capacity 45,000 kgs at 1900mm load centre

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



CAPACITIES			
MODEL	1st Row	2nd Row	3rd Row
RS45E	45,000kg	31,000kg	15,000kg

		MANUFACTURER	ABBREVIATION	OMEGA	
Capacity	1	MODEL	Manufacturers designation	RS45E	1
	2	LOAD CAPACITY	Capacity jacks up, @ 1900/3850/6350 load centre t	45/31/15	2
	3	LOAD RATING	t	N/A	3
	4				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
Attachments	13	90° STACKING AISLE	Aisle for 20'containers mm		13
	14		Aisle for 40'containers mm		14
	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
Weights.	29	MAX. GRADEABILITY	Unladen / laden %	30 / 26	29
	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	

Cabin

- Ω Fully enclosed cabin.
- 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 Trainer Seat.

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 Fantuzzi 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 Automatic greasing system.

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Omega Reach Stackers are designed and manufactured by Fantuzzi Reggiane S.p.a