



Technical Information

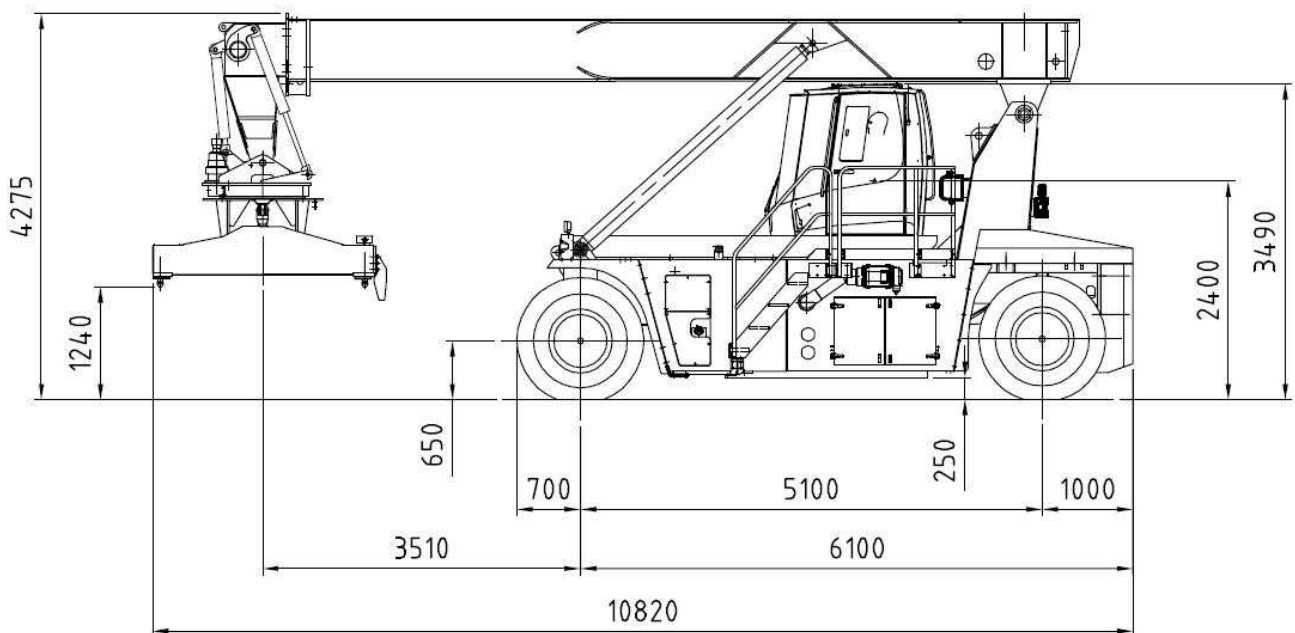
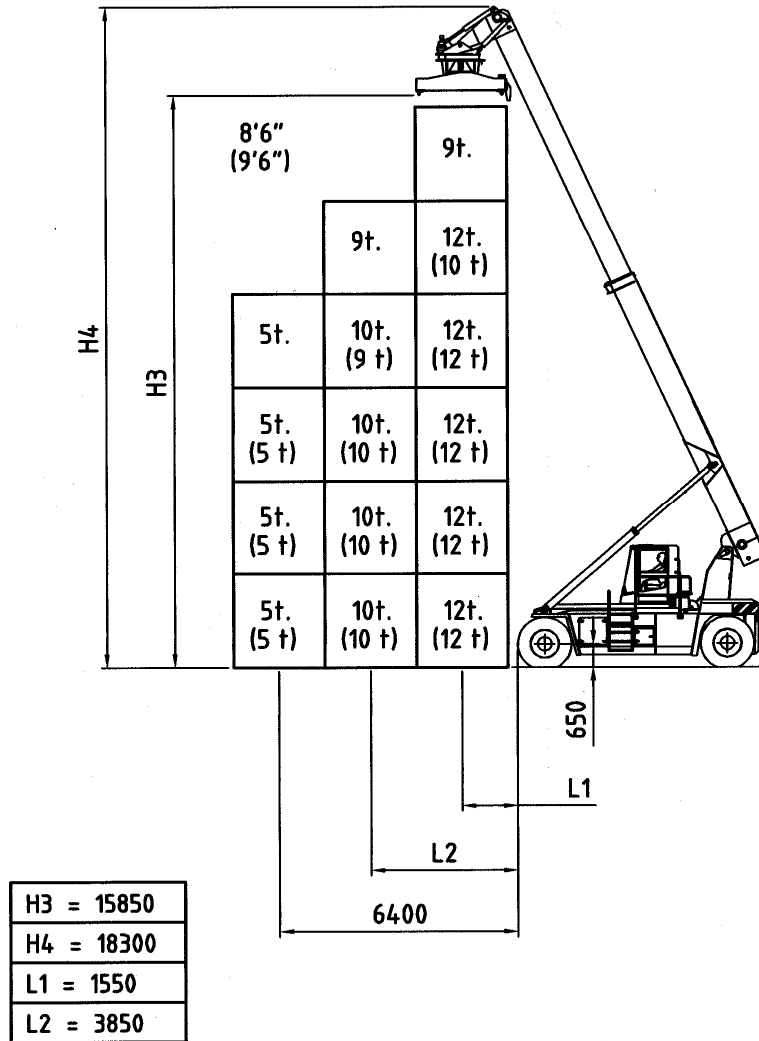
Empty Container Handling

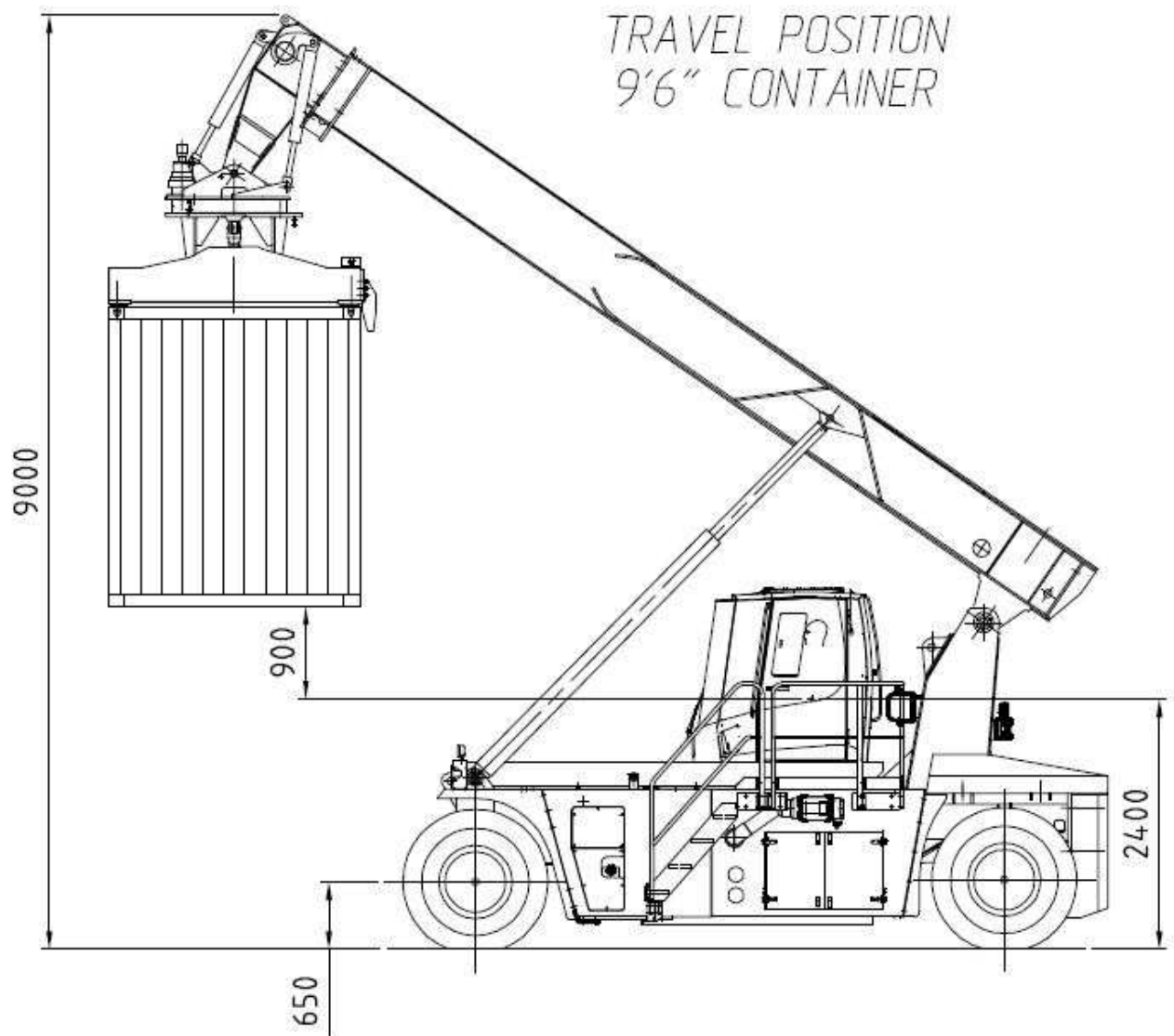
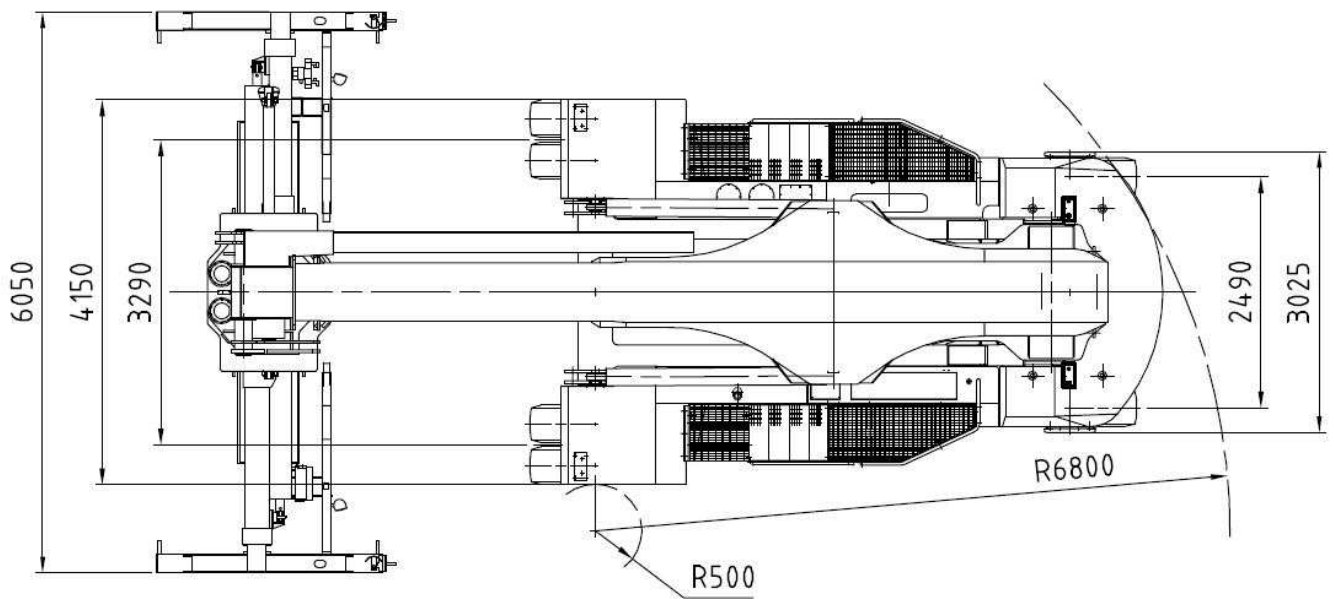
CVS FERRARI
F500-RSE

SPECIFICATION	01 Manufacturer			CVS FERRARI
	02 Model			F500-RSE
	03 Lifting capacity	First Row/Second Row	Kg.	12000/10000
	04 Load Center	First Row/Second Row	mm.	1550/3850
	05 Power unit			Diesel engine
	06 Steering			Steering wheel in the cab
	07 Tyre type	Front / Rear		Pneumatic
	08 Wheels	Number at Front/Rear (* = driven)		4* / 2
DIMENSIONS	09 Lifting Height	Under Spreader - First Row	mm.	15875
	10 Width of Spreader	20 Ft.	mm.	6052
	11 Side Tilting	Mechanical	Deg.	+ / - 3
	12 Rotation	Hydraulic-	Deg.	-95 + 185
	13 Side shifteing	Max	mm.	+ / - 800
	14 Boom Angle	Min / Max	Deg.	0 / 65
	15 Overall dimensions	Length	mm.	10455
	16	Width	mm.	4143
	17	Boom height, Min.	mm.	4275
	18	Boom height, Max	mm.	18290
	19	Seat height	mm.	2400
	20	Min. dist. spreader from ground	mm.	1240
	21 Turning radius	Inner/Outer	mm.	500 / 6800
PERFORMANCE	22 Distance from front axle	Center to load, first row	mm.	2250 - 3390
	23 Aisle for 90° stacking	Incl. 200 mm. safety margin	mm.	13380
	24 Stability	DIN 15018 (Yes/No)		Yes
	25 Speeds	Travelling F. & R. Laden/Unladen	km/h	23.7/24.1
	26	Lifting (empty/booster/laden)*	m/s	0,47 / 0,57 / 0.32
	27	Lowering	m/s	0.40
	28 Drawbar pull	Max - Laden	kN	181
	29 Gradeability	Cont. at 2 Km/h - Laden	%	28
WEIGHTS	30	Max at 0 km / h - Laden	%	34
	31 Gross vehicle weight		Kg.	41700
	32 Axle load - Front	Unladen	Kg.	23800
		Laden L1	Kg.	37800
	33 Axle load - Rear	Unladen	Kg.	17900
TYRES BRAKES CHASSIS		Laden L1	Kg.	15900
	34 Tyres	Number - Front/rear		4/2
	35	Size - Front	ins.	14.00-24 28 PR
	36	Size - Rear	ins.	14.00-24 28 PR
	37 Wheelbase		mm.	5100
	38 Track	Between centres - driven wheels	mm.	3288
	39 Ground clearance	Mid-way along the wheelbase	mm.	250
STEERING SYSTEM	40 Foot brake system	Type/ brake wheels		Multiple wet disc brakes/ Driven Wheels
	41Type			Hydrostatic
DRIVING SYSTEM	42 Engine	Manufacturer - Type		VOLVO TAD871VE
	43	Rating – SAEJ1995	kW	185
	44	Rated Speed	RPM	2200
	45	Peak Torque - at engine speed	Nm/RPM	1160/1500
	46	Number Cylinders - displacement	cm3	6/7700
	47	Compression Ratio		17.2:1
	48	Fuel Consumption (Average)	l/h	10
	49 Alternator	Type – Rating	A	90
	50 Starting Batteries	Voltage – Capacity	V/Ah	2 x 12 V / 180
	51 Drive Axle	Type		With double reduction
	52 Gear Box	Type-number of gears forwar/rev.		DANA CLARK TE17 - 3/3
	53 Clutch	Clutch type		Torque converter
	54 Hydraulic pressure	For attachments	Bar	140
	55 Sound Level	Inside cabin (EN 12053)	dB(A)	75

* Lifting booster optional

CVSFerrari F500-RSE





CHASSIS

All welded box type. Highest strength. Torsion resistant structure.

ENGINE

VOLVO TAD871VE

EU Stage IV. Low pollution level. Eurostandard. Lowest fuel consumption and best performances.

TRANSMISSION

DANA CLARK TE17

Integrated torque converter and power shift . 3 Speeds forward and 3 speeds reverse

FRONT AXLE

Epicycloidal hub reduction plus central reduction (bevel gear and pinion). Wet discs brakes.

REAR AXLE

Articulating axle with double acting single cylinder. Full hydrostatic steering system (Orbitrol).

HYDRAULIC SYSTEM

Variable displacement pumps. Load sensing distributors controlling, lifting and steering. Hydraulic and proportional joystic. Oil cooling system .

ELECTRICAL SYSTEM

The most reliable and easy to service. 24 V. - Two 12 V. batteries of low maintenance type. High performance alternator.

BOOM

High torsion. High quality steel. New design - One basic section and one telescopic section.

TOP SPREADER:

High quality steel. Compact and precise. Telescoping from 20' to 40'. All functions controlled from cab. Safety sensors on four corners.

The illustrations and data contained in this brochure are not binding. The manufacturer reserves the right to make changes for any reason while not altering the primary specifications



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