



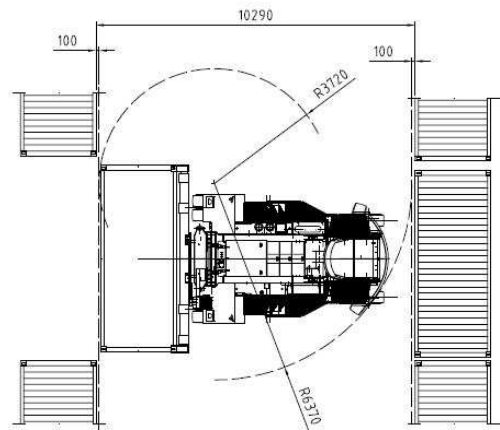
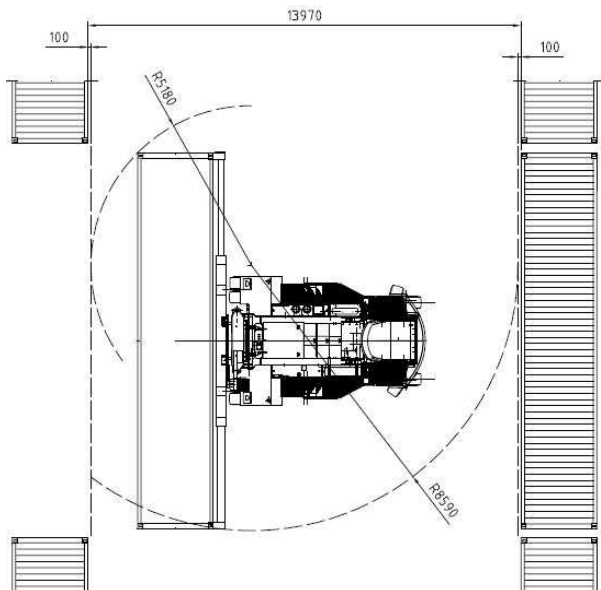
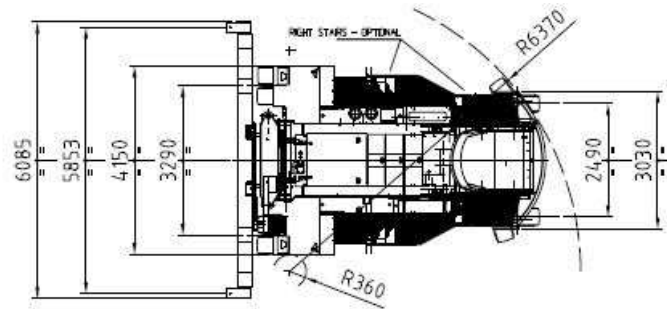
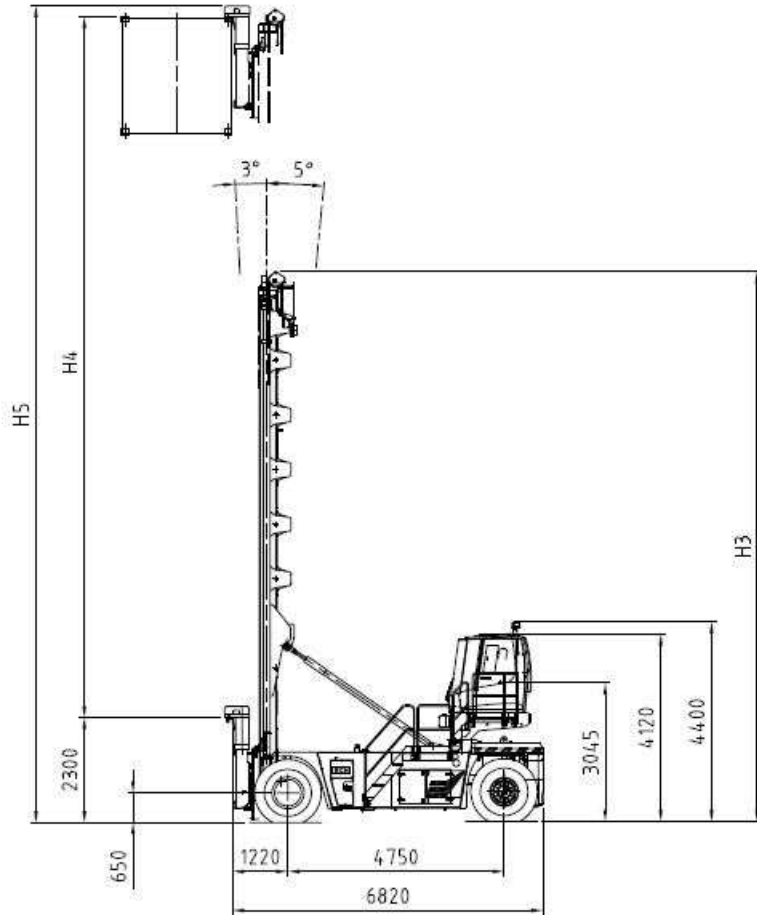
Technical Information

Empty Container Handling



CVSFERRARI
ECH10.6

SPECIFICATIONS	01 Manufacturer				CVSFERRARI	
	02 Model				ECH10.6	
	03 Lifting capacity			kg	10000	
	04 Load Center			mm	1220	
	06 Steering				Steering wheel in the cab	
	07 Tyre type	Front / Rear			Pneumatic	
	08 Wheels	Number at Front/Rear (* = driven)			4* / 2	
	DIMENSIONS	09 Lift, duplex mast	Standard	H4	mm	13900
12 Side shifter		Max + -	V1	mm	+/- 600	
13 Mast tilt angle		Forward/Backward	a/b	degrees	3/5	
14 Overall dimensions		Length	L	mm	6820	
		Width	B	mm	4150	
		Mast height, min.	H3	mm	9350	
		Mast height, max	H5	mm	16550	
		Height		mm	4120	
		Seat height		mm	3045	
		Min. dist. spreader from ground		mm	2300	
21 Turning radius		Inner/Outer	R 1/2	mm	360/6370	
22 Distance from front axle		center to load	L2	mm		
PERFORMANCES		23 Stability	ISO 1074 (Yes/No)			YES
		24 Speeds	Travelling F&R, Laden/Unladen		km/h	22 / 22
	Lifting Laden/Unladen			m/s	0.50/0.60	
	Lowering Laden			m/s	0,55	
	27 Drawbar pull	Max - Laden		kN	215	
	28 Gradeability	Max gradeability - Laden		%	41,6	
	MASSES	29 Gross vehicle weight			kg	38500
30 Axle load - Front		Unladen		kg	24500	
31 Axle load - Rear		Unladen		kg	14000	
TYRES	32 Tyres	Number - Front/rear			4/2	
	33	Size – Front & Rear		ins.	14.00-24	
CHASSIS	35 Wheelbase		L3	mm.	4750	
	36 Track	Between centres - driven wheels		mm.	3290	
	37 Ground clearance	Under the mast			mm.	155
		Mid-way along the wheelbase			mm.	260
BRAKES	39 Foot brake system	Type/brake wheels			Multiple wet discs brakes	
	40 Parking brake	Type/brake wheels			Spring brakes / Driven wheels	
STEER. SYSTEM	41 Type				Hydraulic servo assisted	
DRIVING SYSTEM	42 Engine	Manufacturer, Type			VOLVO TAD871VE	
	43	Rating		kW	185	
	44	Rated Speed		RPM	2200	
	45	Peak Torque - at engine speed		Nm/min	1160/1200	
	46	Number Cylinders / swept volume		cm3	6/7700	
	48	Fuel Consumption (Average)		l/h	10 - 12	
	49 Alternator	Rating		A	100	
	50 Starting Batteries	Voltage / Capacity		V/Ah	2x12 / 180	
	51 Drive Axle	Type				with double reduction
	52 Gear Box	Type-number of gears forward/rev.				DANA TE17 3/3
	53 Clutch	Clutch type				Torque converter
	54 Hydraulic pressure	For attachments		Bar	120	
	55 Sound Level	Inside Cabine (EN12053)		dB(A)	75	



CHASSIS

All welded box type. Torsion resistant structure. Low center of gravity.

ENGINE

VOLVO TAD871VE.

EU stage IV. Best performance and lower fuel consumption. Very low polluting level.

TRANSMISSION

DANA TE17.

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

FRONT AXLE

KESSLER extra wide front axle for maximum stability. Hub reduction. Multiple wet discs brakes. Oil cooling. Extra heavy duty type.

REAR AXLE

Maintenance free. Mounted on silent blocks. Articulating axle with double acting single cylinder. Rubber shock absorbers for lateral stability. Fully hydrostatic steering system (Danfoss).

HYDRAULIC SYSTEM

Powerful. Reliable. Variable displacement pump proportional distributors controlling lifting and tilting. Multifunctional joystick electro hydraulic type for the smoothest operation. Air / Oil cooling system with ventilating fan

ELECTRICAL SYSTEM

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

MAST EXTRA WIDE

High torsion. High quality steel. Free visibility. Heavy duty bearings. Lift cylinders hoses and chains located on the blind angles.

SIDE SPREADER

High quality steel. Compact and precise. Telescoping from 20' to 40'. All functions controlled from cab. Side mechanical tilting. Safety sensors on two corners. Double stacking side spreader as option.

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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