

TECHNICAL INFORMATION REACH STACKER

Mod. FERRARI 178

CHASSIS

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

ENGINE

Mercedes Benz Mod. OM 442 Naturally aspirated. Lowest fuel consumption and best performances.

TRANSMISSION

CLARK 34000 - Integrated torque converter and power shift - 4 Speeds forward and 4 speeds reverse

FRONT AXLE

Hub reduction with crown wheel and pinion. Epicyclical reduction.

REAR AXLE

Articulating axle with double acting single cylinder.

POWERED STEERING

Full hydrostatic steering system (Orbitrol). Steering wheel in cab.

BRAKING SYSTEM

Service brakes by multiple discs in oil bath acting on front wheels with cooling system. Parking and emergency braking system by release spring operated by manual lever in cab.

HYDRAULIC SYSTEM

Powerfull. Reliable 2 geared pumps controlling: lifting, telescoping, steering, rotation and side shifting. Low pressure system for maximum reliability. Joy sticker, 2 lifting speeds: one normal on laden and one fast on empty conditions.

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.

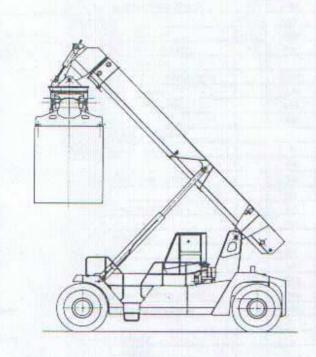
INSTRUMENTS

Engine water thermometer. Engine oil pressure manometer. Transmission oil thermometer and oil pressure manometer. Fuel gauge, Hourmeter. RPM meter.

WARNING LIGHTS

Air filter clogging. Brake oil filter clogging. Transmission oil clogging. Pilot oil filter clogging. Transmis-

sion oil high temperature. Brake oil low pressure and high temperature. Engine oil low pressure. Direction warning lights. Spot lights. Low battery indicator. Brake applied. Ambra beacon. Working light. Emergency lights. Fuel low level.



MISCELLANEOUS

SPREADER:

Highest strentgh steel. Compact and precise. Telescoping from 20' to 40'. All functions controlled from cab. Side mechanical tilting, Rotation -95°+185°. Damping. Safety sensors on four corners -

Heater - Rear view mirror - Front lights - Rear lights - Working lights -Ambrabeacon - Front and

rear direction lights - Braking lights - Reverse buzzer - Anti-reverse safety system - Overloading safety system,

DRIVER'S CAB

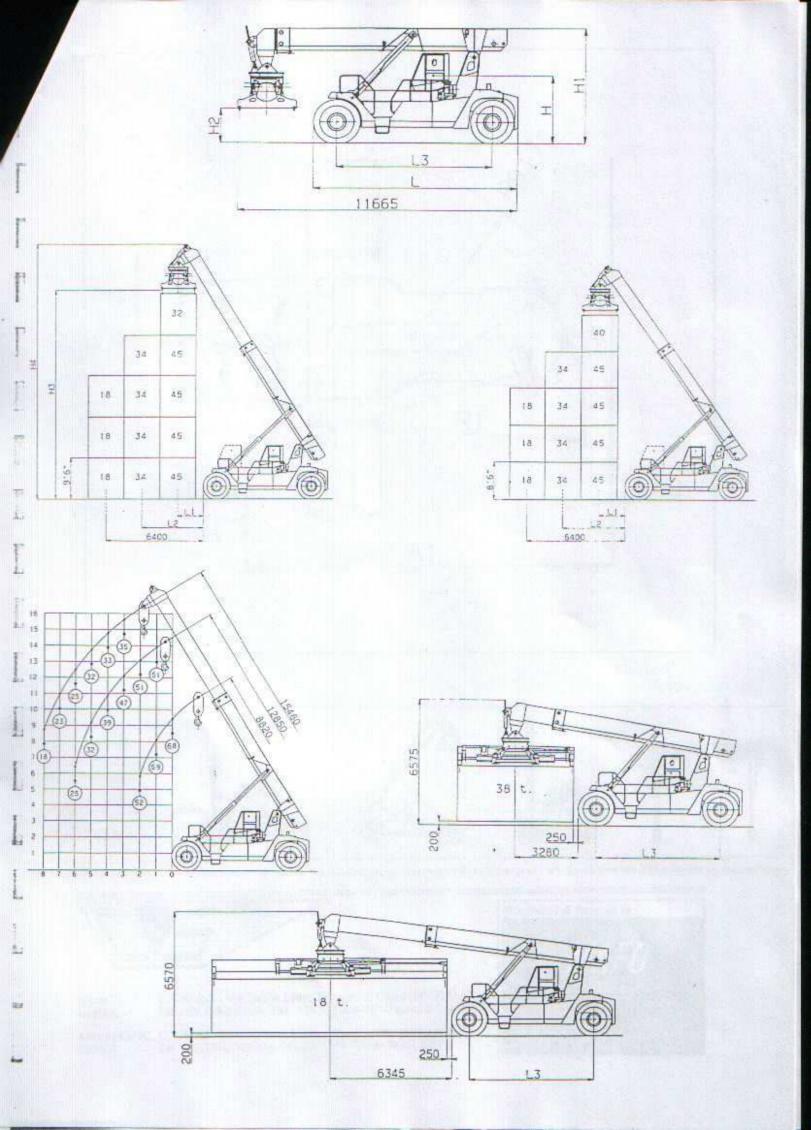
The most comfortable and ergonomic. Sound proof. Fitted on silent blocks to reduce vibrations. Best all round visibility. Safety glasses. Adjustable operator seat. Front and roof wipers.

LIQUID CAPACITIES

DIQUID CITATION				
Fuel	It.	700		
Cooling system	It.	75		
Hydraulic oil	lt.	800		
Drive axle	lt.	50		
Gear box	lt.	55		
Engine oil	lt.	20		

OPTIONS

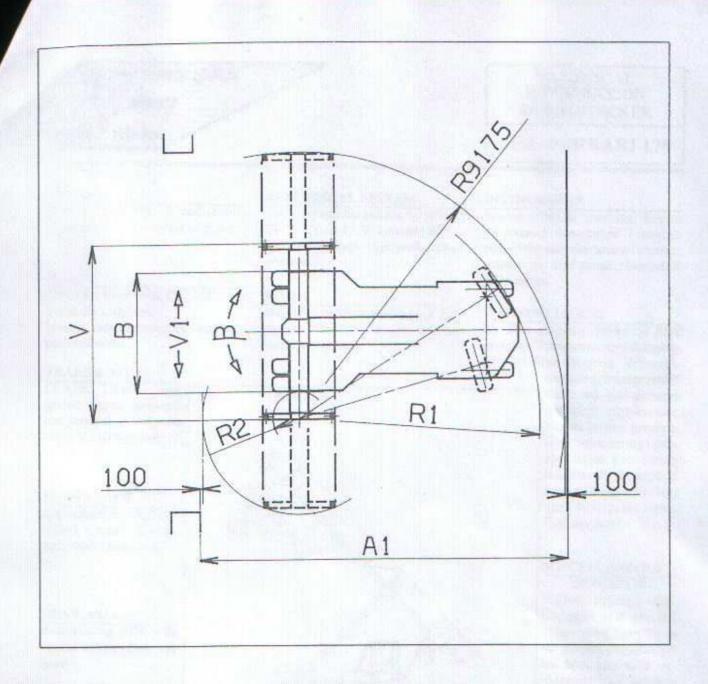
Hydraulically sliding cab - Electronic speed control - Aircon in cab. - 12 V. plug for radio system - Estinguisher - Rear and upper glass defroster - 120 A. Alternator - Electronic overloading system - Integral spreader with piggy back - Fuel heating system.

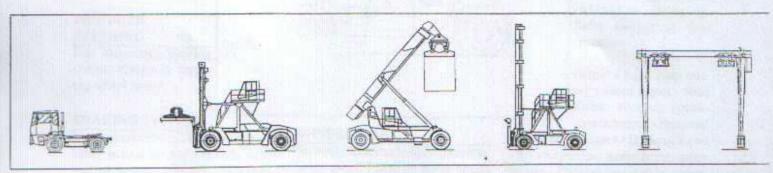


SPECIFICATION	01 Manufacturer				CVS
	02 Model		-		FERRARI 178
	03 Lifting capacity	First Row/Second Row		Kg	45000/34000
	04 Load Center	First Row/Second Row	L1/L2	mm.	1670/3720
	05 Power unit				Diesel engine
	06 Steering				Steering wheel in the cab
	07 Tyre type	Front / Rear			Pneumatic
	08 Wheels	Number at Front/Rear (*=driven)			4*/2
DIMENSIONS	09 Lifting Height	Under Spreader - First Row	H3	mm.	14700
	Width of Spreader	20 Ft.	V	mm.	6060
		40 Ft.	V	mm.	12192
		100000	1		
	Side Tilting	Medianical ++		Deg.	4
	Rotation	Hydraolical +-	В	Deg.	-95+185
	Side shifter	Max + -	VI	mm.	800
	The state of the s		- 41	-	0/60
	14 Boom Angle	Min / Max	1	Deg.	
	15 Overall dimensions	Length without boom	1.	mm.	8530
	16	Width	В	mm.	4150
	17	Boom height, Min.	HI	mm.	4800
	18	Boom height, Max	114	mm.	17895
	19	Height - Top of Cab		mm.	3740
	20	Seat height	Н	mm,	2680
	20/A	Min. dist. spreader from ground	H2	mm.	1430
	21 Turning radius	Inner/Outer	R1/R2	mm.	8210/740
	22 Distance from front axle	Center to load, first row		num.	2600
	23 Aisle for 90° stacking	Incl. 200 mm. safety margin	Al	mm.	12700
ERFORMANCE	Stability	DIN 15018-1 (Yes/No)			Yes
	24 Speeds	Travelling F. & R. Laden/Unladen		km/h	19/25
7	25	Lifting Laden/Unladen		m/s	0,2/0,2
	26	Lowering Laden/Unladen	100	m/s	0,29/0,29
	28 Drawbar pull	Max - Laden		kN	227
	29 Gradeability	Cont. at 2 Km/h - Laden		96	14
	30	Max at 0 km/h - Laden		06	18
WHEIGHTS	32 Gross wehicle weight	THE RESIDENCE OF THE PARTY OF T		Kg	72500
variation	33 Axle load - Front	Unladen - horizontal boom		Kg	35500
	33 Axie ioau - Front	Laden at L1		Kg.	98550
	34 Axle load - Rear	Unladen - horizontal boom			37000
	34 Axie load - Rear	Laden at L1		Kg.	18950
		A POLICE CONTROL OF THE POLICE CONTROL OF TH	-	Kg.	The state of the s
YRES	35 Tyres	Number - Front/rear	-	100	4/2
RAKES	36	Size - Front		ms.	18.00-33/36
CHASSIS	37	Size - Rear		iris.	18.00-33/36
	38 Wheelbase		L3	mm.	6500
	39 Track	Between centres - driven wheels		mm.	3030
	40 Ground clearence	Mid-way along the wheelbase		mm.	690
			N CO		
	42 Foot brake system	Type/brake wheels	100		Multple discs in oil bath/Driven Whee
	43 Purking brake	Type/brake wheels			Spring brakes Driven wheels
TEERING SYSTEM	Туре				Hydrostatic
DRIVING	49 Engine	Manufacturer - Type			Mercedes Benz Mod. 442
SYSTEM	50	Rating - DIN 6271		kW/(hp)	222(300)
	51	Rated Speed		RPM	2100
		Peak Torque - at engine speed		Nm/min	1079/1000
	52	Number Cylinders - swept volume		cm3	8V/15078
		Compression Ratio			16.8:1
	53	Fuel Consumption (Average)		I/h	18
	B CO.				
	Alternator	Type - Rating	-	A	AC - 80
	Starting Batteries	Voltage - Capacity	-	V/Ah	2 x 12 V -155
	54 Drive Axle	Type			With double reduction
	55 Gear Box	Type-number of gears forwar/rev.			Clark - 4/4
	56 Clutch	Clutch type			Torque converter
	57 Hydraulic pressure	For attachements		Bar	140
	58 Sound Level	Overhead guard/Cab average		dB(A)	85/75

¥3

7





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

