



FERRARI

# PRODUCT RANGE OVERVIEW



THE VALUE OF EXPERIENCE

# LADEN CONTAINER HANDLING REACHSTACKERS

F500.RS-V

**ENERGY  
SAVING**



## VALUE AT GLANCE

**D**esigned to provide the highest return on investment and availability for container handling operations the CVS FERRARI F500.RS-V Reach Stackers are the reliable, cost effective, value creating partner of every laden container yard. They get the job done, thanks to their uncompromised quality and unconstrained performances. Always delivering.



# MODELS

**F500.RS2-V**

**F500.RS3-V**

**F500.RS5-V PB**



## TECHNICAL SPECIFICATIONS



Make		CVS FERRARI								
Truck Type		Laden Container Handling Reach Stacker								
Model		F500.RS2-V			F500.RS3-V			F500.RS5-V PB		
Attachment type		20'/40' Top Pick Spreader						20'/40' Top Piggy back		
Load capacity on tires at 1st/2nd/3rd row (no stab)	kg	45.000	31.000	16.000	45.000	32.000	16.500	44.000	26.000	11.000
Load centre distance at 1st/2nd/3rd row	mm	1.780	3.850	6.400	1.780	3.850	6.400	1.780	3.850	6.400
Load capacity on stabilizers at 1st/2nd/3rd row*	kg	Stabilizers not available			Stabilizers not available			Stabilizers not available		
Load centre to front face of the truck.	mm	830			830			930		
Lifting height under twist-lock	mm	15.100			15.100			14.700		
Stacking Ability - containers		5 = 5 x 9'6"			5 = 5 x 9'6"			5 = 5 x 8'6"		
Wheelbase	mm	6.500			6.500			6.500		
Service weight - unladen	kg	71.900			72.400			81.000		
EU Stage IIIA Engine make&model (Rated Power)	(kW)	CUMMINS X12 (250)								
EU Stage V Engine make&model (Rated Power)	(kW)	CUMMINS X12 (250)								
Transmission make&model		DANA TE30								
Service Brakes		Cooled wet disk brake								
Tires size		18.00-25 40PR			18.00-25 40PR			18.00-33 40PR		
Overall width - excluding Spreader	mm	4.185			4.185			4.185		
Overall length - including spreader	mm	11.820			11.820			11.840		
Overall height	mm	4.930			4.930			5.030		
Seat height	mm	2.820			2.820			2.920		
Spreader rotation - clockwise/anticlockwise	deg	-105 / +195			-105 / +195			-105 / +195		
Spreader side-shift - left / right	mm	+800 / -800			+800 / -800			+800 / -800		
Boom Angle (min / max)	deg	0 / 60			0 / 60			0 / 60		

\* option

# LADEN CONTAINER AND INTERMODAL HANDLING REACHSTACKERS

**F500.RS-E**

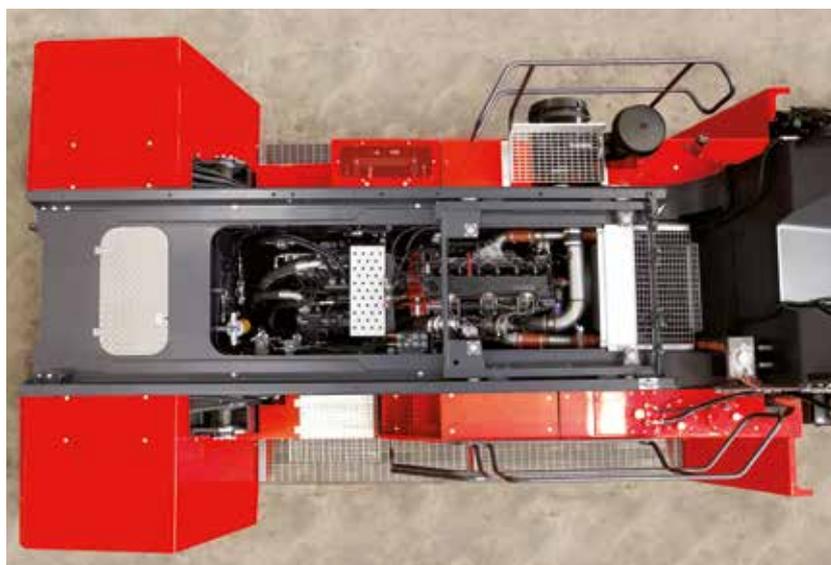
**ENERGY SAVING**



**KINGS OF THE YARD  
EMPERORS OF PRODUCTIVITY**



The CVS FERRARI F500.RS-E Reach Stackers are at the forefront of the industry for their unmatched structural strength and durability, the superior ENERGY SAVING technology they incorporate, the productivity and cost efficiency they always deliver. In their everlasting structures, they host only prime main components from the most reputable international suppliers, feature the state-of-the-art systems and are always connected thanks to their unique Remote Monitoring System.



Make	
Truck Type	
Model	
Attachment type	
Load capacity on tires at 1st/2nd/3rd row (no stab)	kg
Load centre distance at 1st/2nd/3rd row	mm
Load capacity on stabilizers at 1st/2nd/3rd row *	kg
Load centre to front face of the truck.	mm
Lifting height under twist-lock	mm
Stacking Ability - containers	
Wheelbase	mm
Service weight - unladen	kg
EU Stage IIIA Engine make&model (Rated Power)	(kW)
EU Stage V Engine make&model (Rated Power)	(kW)
Transmission make&model	
Service Brakes	
Tires size	
Overall width - excluding Spreader	mm
Overall length - including spreader	mm
Overall height	mm
Seat height	mm
Spreader rotation - clockwise/anticlockwise	deg
Spreader side-shift - left / right	mm
Boom Angle (min / max)	deg

\* option



# HIGH CAPACITY INTERMODAL AND BULK HANDLING REACHSTACKERS

F500.RS-E

**ENERGY  
SAVING**



**LIFT EXTREMELY  
HEAVY LOADS AT  
EXTENDED LOAD CENTERS**

**T**he CVS FERRARI High Capacity Reach Stackers provide additional lifting power and range of reach for the more demanding environments. Thanks to their reinforced structures, longer wheelbase and front jacks they can handle more weight at far extended centers of gravity. That makes this range of “bison” reach stackers to be the ideal solution for second rail and barge handling applications, or when handling heavy pipes off stock piles, steel slabs off block stacks or to pick and carry bulky and heavy windmill components.



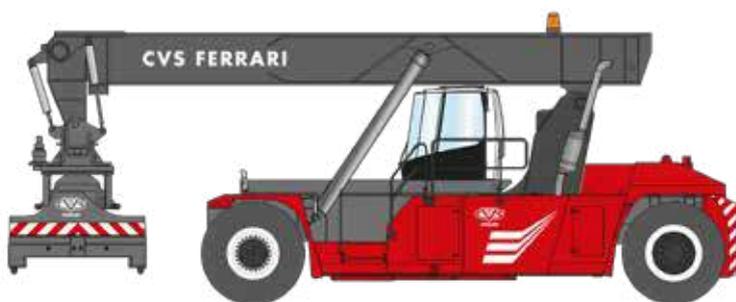
# MODELS

F500.RS7-E

F500.RS8-E

F500.RS7-E PB

F500.RS8-E PB



# TECHNICAL SPECIFICATIONS



Make		CVS FERRARI											
Truck Type		High Capacity Intermodal and Bulk Handling Reach Stacker											
Model		F500.RS7-E			F500.RS8-E			F500.RS7-E PB			F500.RS8-E PB		
Attachment type		20'/40' Top Pick Spreader						20'/40' Piggy Back					
Load capacity on tires at 1st/2nd/3rd row (no stab)	kg	46.000	44.000	25.000	46.000	44.000	27.000	45.000	39.000	20.000	45.000	39.000	22.000
Load centre distance at 1st/2nd/3rd row	mm	1.780	3.850	6.400	1.780	3.850	6.400	1.780	3.850	6.400	1.780	3.850	6.400
Load capacity on stabilizers at 1st/2nd/3rd row	kg	46.000	46.000	33.000	46.000	46.000	36.000	45.000	42.000	32.000	45.000	42.000	35.000
Distance, ctr of drive axle to face of front tyres	mm	930			930			930			930		
Lifting height under twist-lock	mm	16.200			16.200			15.600			15.600		
Stacking Ability - containers		1 over 5 = 6 x 8'6"			1 over 5 = 6 x 8'6"			1 over 4 = 5 x 9'6"			1 over 4 = 5 x 9'6"		
Wheelbase	mm	7.500			8.000			7.500			8.000		
Service weight - unladen	kg	84.500			88.000			89.500			93.000		
EU Stage IIIA Engine make&model (Rated Power)	(kW)	CUMMINS X12 (250)											
EU Stage V Engine make&model (Rated Power)	(kW)	CUMMINS X12 (250)											
Transmission make&model		DANA TE30											
Service Brakes		Wet disk on front wheels											
Tires size		18.00-33 40PR			18.00-33 40PR			18.00-33 40PR			18.00-33 40PR		
Overall width - excluding Spreader	mm	4.185			4.185			4.185			4.185		
Overall length - including spreader	mm	12.980			13.480			13.000			13.500		
Overall height	mm	4.900			4.900			4.900			4.900		
Seat height	mm	2.820			2.820			2.820			2.820		
Spreader rotation - clockwise/anticlockwise	deg	-105 / +195			-105 / +195			-105 / +195			-105 / +195		
Spreader side-shift - left / right	mm	+800 / -800			+800 / -800			+800 / -800			+800 / -800		
Boom Angle (min / max)	deg	0 / 60			0 / 60			0 / 60			0 / 60		

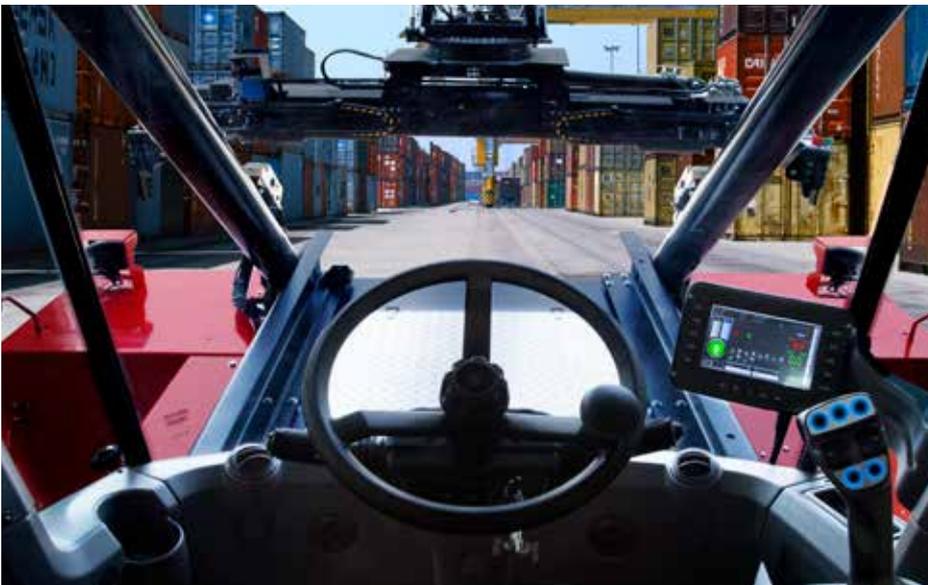
# EMPTY CONTAINER HANDLING REACHSTACKERS

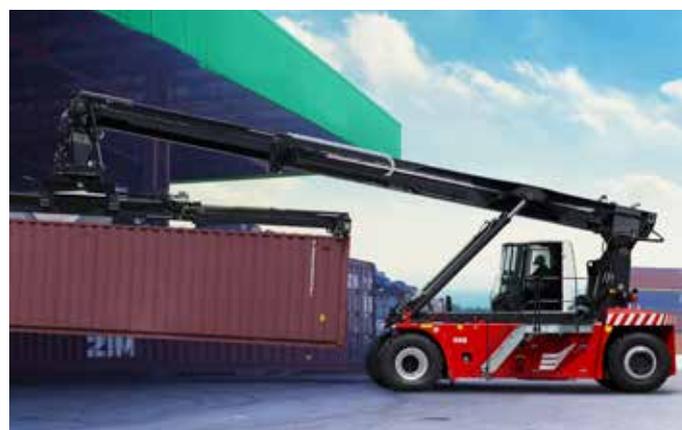
**F500.RS-EC**

**FOR  
SPECIAL  
EMPTY  
CONTAINER  
HANDLING  
TASKS**



**W**orking in demanding applications where doorways or overhead wires must be negotiated, the CVS FERRARI RS-ECH empty reach stacker is an invaluable tool for many end users. With the ability to unload second rail from one side reaching over a first rail line or to be selective in the stack, this machine resolves otherwise problematic handling tasks and it does it with the proverbial safety and productivity of any CVS FERRARI branded equipment.





## TECHNICAL SPECIFICATIONS



Make	CVS FERRARI			
Truck Type	Empty Container Handling Reach Stacker			
Model	RS-EC			
Attachment type	20'/40' Top Pick Spreader			
Load capacity on tires at 1st/2nd/3rd row (no stab)	kg	12.000	10.000	6.000
Load centre distance at 1st/2nd/3rd row	mm	1.400	3.850	6.400
Distance, ctr of drive axle to face of front tyres	mm	700		
Lifting height under twist-lock [hook]	mm	15.900		
Stacking Ability - containers	1 over 5 = 6 x 8'6"			
Wheelbase	mm	5.100		
Service weight - unladen	Kg	45.000		
EU Stage IIIA Engine make&model (Rated Power)	(kW)	CUMMINS QSB 6.7 (164)		
EU Stage V Engine make&model (Rated Power)	(kW)	CUMMINS B 6.7 (168)		
Transmission make&model	DANA TE17			
Service Brakes	Cooled wet disc brake			
Tires size	14.00-24 28PR			
Overall width - excluding Spreader	mm	4.150		
Overall length - including spreader	mm	10.820		
Overall height	mm	4.270		
Seat height	mm	2.400		
Spreader rotation - clocwise/anticlockwise	deg	-95 / +185		
Spreader side-shift - left / right	mm	+800 / -800		
Boom Angle (min / max)	deg	0 / 65		

# HYBRID POWER EMPTY CONTAINER HANDLING LIFT TRUCKS



***THE GAME  
CHANGERS  
THAT HALVES  
EMISSIONS  
AND TOTAL  
COST OF  
OWNERSHIP***



**W**ith CVS FERRARI introducing HY-LIFT a new era has begun for container handling lift trucks. The redundancy of power hydraulics and their replacement with electric powered winches directly mounted on the mast, allied to several other new and re-invented energy saving and power recovery technologies, has made the unthinkable a reality. The validated and unconditional slashing of the Total Cost of Ownership and of the Environmental Impact of these machine is now a fact destined to change both the life of the users and the course of the materials handling industry.

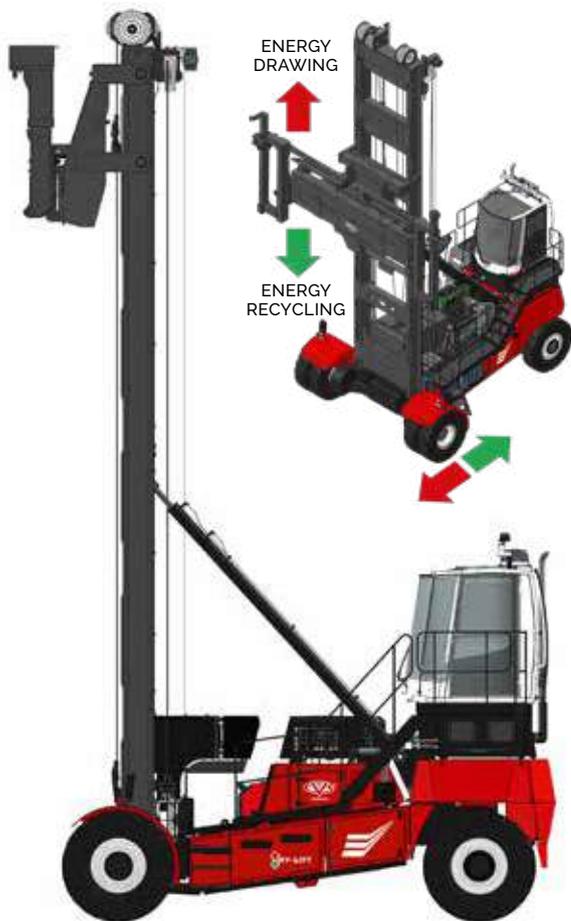
# MODELS

HY08.6

HY08.8

HY11.7DS

HY10.8DS



# TECHNICAL SPECIFICATIONS



Make		CVS FERRARI			
Truck Type		Hybrid Empty Container Handling Lift Truck			
Model		HY08.6	HY08.8	HY11.7DS	HY10.8DS
Attachment type		20'/40' Side Pick Spreader - Single Stack type		20'/40' Side Pick Spreader - Double Stack type	
Lifting Capacity	kg	8.000	8.000	11.000	10.000
Load centre distance	mm	1.220	1.220	1.220	1.220
Load distance	mm	1.145	1.145	1.250	1.250
Maximum Lift height under twist-lock [hook]	mm	16.100	21.200	18.600	21.350
Stacking Ability - containers		1 over 5 = 6 x 8'6"	1 over 7 = 8 x 8'6"	2 over 6 = 8 x 8'6"	2 over 7 = 9 x 8'6"
Wheelbase	mm	4.560	4.560	4.560	4.560
Service weight - unladen	Kg	37.500	40.000	42.000	39.280
EU Stage V Engine make&model (Rated Power)	(kW)	CUMMINS F3.8 (115) Turbocharged			
Transmission make&model	(kW)	2 x electric motor - one at each wheel hub on drive axle (65 kW each motor)			
Lifting mechanism		winch and rope system with 2x 65 kW electric motor			
Service Brakes		Multiple wet disk brakes			
Tires size		14.00-24 28PR	14.00-24 28PR	14.00-24 28PR	14.00-24 28PR
Truck height - Without mast	mm	4.890	4.890	4.890	4.435
Truck height - Including mast	mm	16.870	12.845	11.545	12.830
Overall length	mm	6.870	6.890	6.790	6.890
Seat height	mm	3.350	3.350	3.350	3.350
Mast Tilt, forward / backward	deg	-3,5 / +3,5	-3,5 / +4,5	-3,5 / +4,5	-3,5 / +4,5
Spreader side-shift	mm	+500 / -500	+500 / -500	+500 / -500	+500 / -500
Spreader hydraulic (mechanic) pile slope	deg / (mm)	(At 20/40ft position: approx. 150 mm)		-3 / +3	-3 / +3

# FULL ELECTRIC EMPTY CONTAINER HANDLING LIFT TRUCKS

# ZE-LIFT

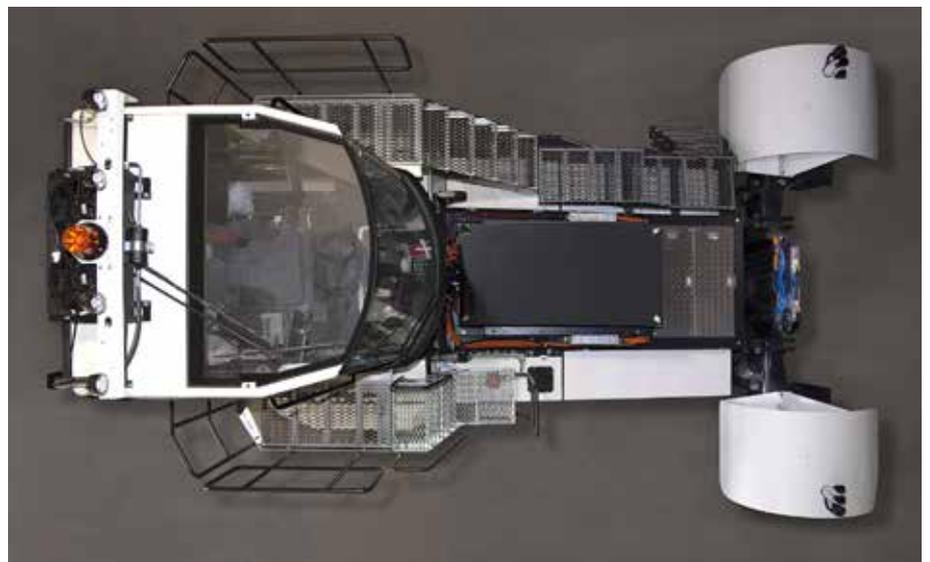
**ENERGY  
RECYCLING**

**ENVIRONMENT  
PROTECTIVE  
SUPER-EFFICIENT  
EMPTY  
HANDLERS**

**Z**E-LIFT is the Zero Emissions line of CVS FERRARI mast container handlers, that combine the patented energy recovery electric winch and rope lifting mechanism with lithium-ion batteries. Thanks to the unique CVS FERRARI landmark technology they can provide long and unmatched length of working shift between recharges and massively slashed operating cost in force of the lot of free recycled energy they produce and the virtually complete elimination of maintenance demanding mechanical and hydraulic components. The empty container handling version of Ze-Lift come in several models featuring single or double stack spreader.



# ZERO EMISSION



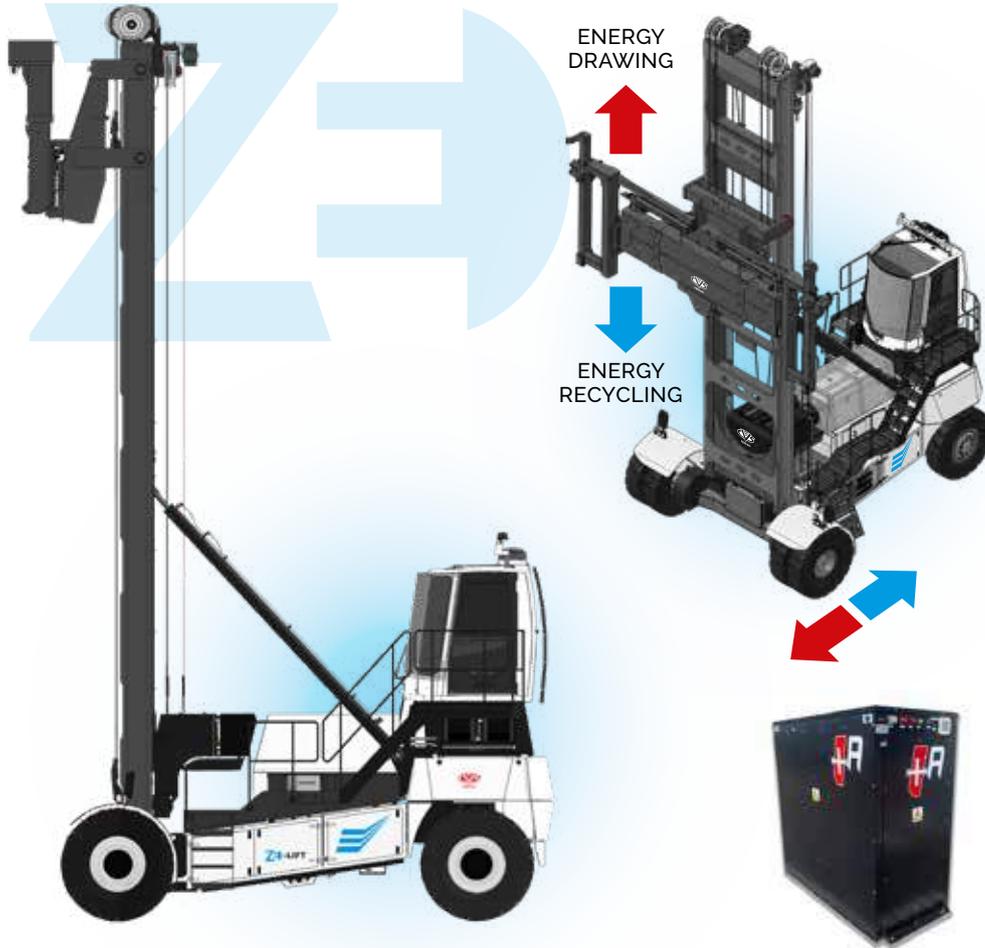
# MODELS

**ZE08.6**

**ZE10.8**

**ZE11.7 DS**

Energy drawn in



THE ENERGY RECYCLED BY ZE-LIFT IS A FORM OF

**RENEWABLE ENERGY**

BECAUSE IS

**FREE & CLEAN**

**10 HOURS BATTERY AUTONOMY**



Lithium Ions Battery

## TECHNICAL SPECIFICATIONS



Make		CVS FERRARI		
Truck Type		Full Electric Empty Container Handling Lift Truck		
Model		<b>ZE08.6</b>	<b>ZE10.8</b>	<b>ZE11.7 DS</b>
Attachment type		20'/40' Side Pick Spreader Single Stack type	20'/40' Side Pick Spreader Single Stack type	20'/40' Side Pick Spreader Double Stack type
Lifting Capacity	kg	8.000	10.000	11.000
Load centre distance	mm	1220	1220	1220
Load centre to centre of front axle	mm	2.390	2.410	2.470
Maximum Lifting height under twist-lock [hook]	mm	16.100	21.200	18.600
Stacking Ability - containers		1 over 5 = 6 x 8'6"	1 over 7 = 8 x 8'6"	2 over 6 = 8 x 8'6"
Wheelbase	mm	4.560	4.560	4.560
Service weight - unladen	Kg	38.500	41.500	43.000
Drive Inverter & Motor		High Voltage inverters for AC motors		
Hydraulic function Inverter & Motor		Power steering, mast tilting, attachment, A/C, brake		
DC/DC Converter		512 VDC - 24 VDC		
Service Brakes		Multiple wet disk brake		
Tires size		14.00 x 24 - 28PR	14.00 x 24 - 28PR	14.00 x 24 - 28PR
Overall width - excluding Spreader	mm	4.640	4.640	4.640
Overall length - including spreader	mm	6.870	6.890	6.790
Overall height - Mast lowered	mm	16.780	12.845	11.545
Seat height	mm	3.350	3.350	3.350
Max Tilt, forward / backward	deg	3,5 / 4,5	3,5 / 4,5	3,5 / 4,5
Mast Tilt, forward / backward	mm	+500 / -500	+500 / -500	+350 / -350
Spreader hydraulic (mechanic) pile slope	deg / (mm)	(At 20/40ft position: approx. 150 mm)		+3 / -3

# LADEN CONTAINER HANDLING LIFT TRUCKS

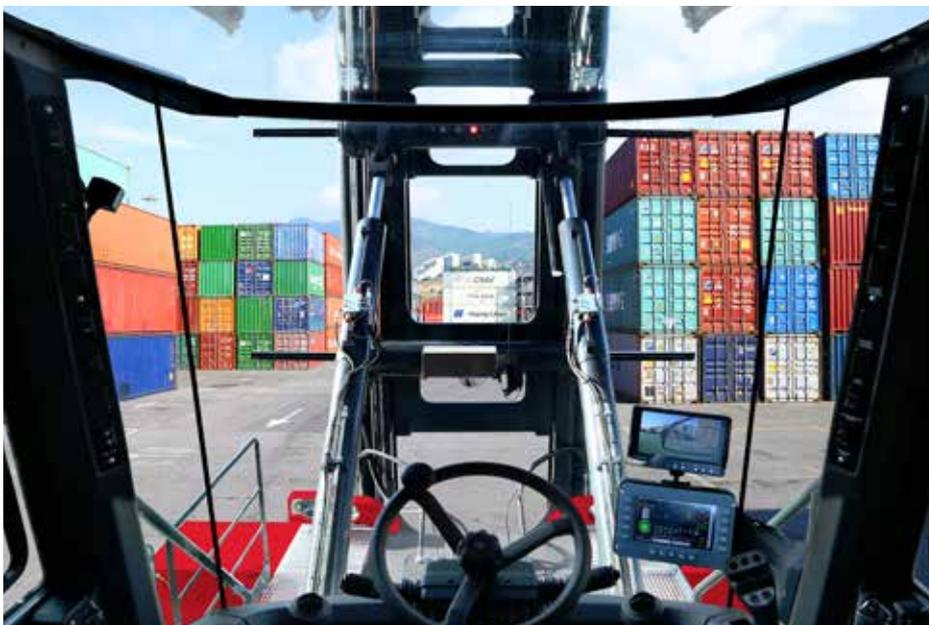
**FH50**



***TOP CLASS  
TOPLOADERS***

**C**VS FERRARI also offers to its public a series of Loaded Container Handling Lift Trucks that have no equal in the marketplace. Featuring functions that have never been seen before, these Toploaders are putting themselves atop of the ranking of the most performant machines of this product class.

Directly derived from the CVS FERRARI "RS-E" Reach Stackers they largely feature the same high quality and advanced technology components and come with the same and unique ENERGY SAVING solutions.



# MODELS

FH50.5

FH50.6



## TECHNICAL SPECIFICATIONS



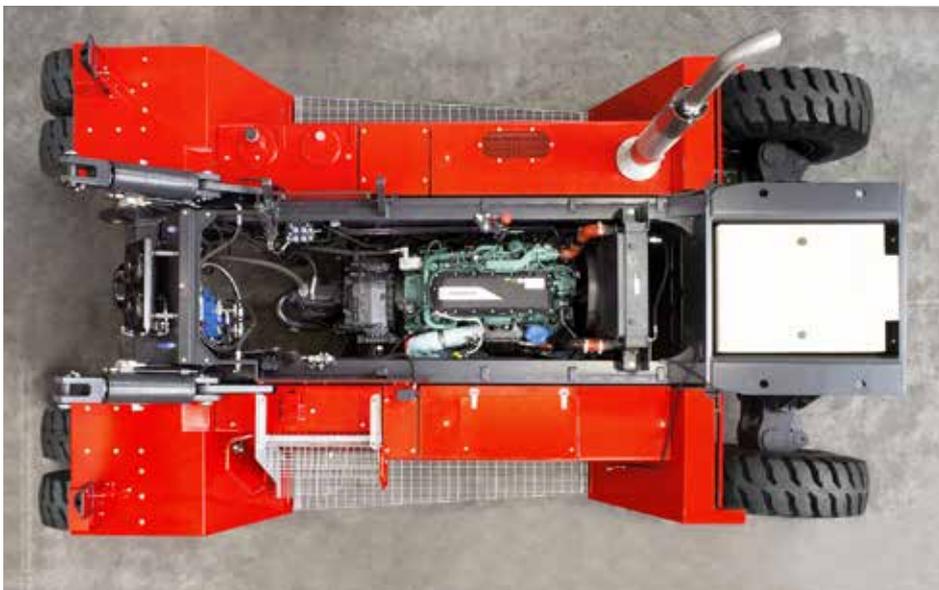
Make		CVS FERRARI	
Truck Type		Laden Container Handling Lift Truck	
Model		FH50.5	FH50.6
Attachment type		20'/40' Top Pick Spreader	
Attachment mounting		gantry mount	gantry mount
Capacity on tires	kg	40.000	40.000
Load centre distance ( +/- out/in reach)	mm	1750 (+/-120)	1750 (+/-120)
Load centre to centre of front axle	mm	2.700	2.700
Lifting height under twist-lock	mm	15.100	17.900
Stacking Ability - containers		1 over 4 = 5 x 9'6"	1 over 5 = 6 x 9'6"
Wheelbase	mm	6.500	6.500
Service weight - unladen	Kg	79.500	81.500
EU Stage IIIA Engine make&model (Rated Power)	(kW)	CUMMINS X12 (250)	
EU Stage V Engine make&model (Rated Power)	(kW)	CUMMINS X12 (250)	
Transmission make&model		DANA TE30	
Service Brakes		Wet disc on front wheels	
Tires size		18.00-33 40PR	18.00-33 40PR
Overall width	mm	4.930	4.930
Overall length (including spreader)	mm	11.560	11.560
Overall height (mast lowered)	mm	9.350	10.800
Seat height	mm	3.870	3.870
Mast Tilt	deg	3 / 6	3 / 6
Spreader side-shift	mm	+ 300 / - 300	+ 300 / - 300
Spreader hydraulic (mechanic) pile slope	deg	+ 3 / - 3 (+ 3 / - 3)	+ 3 / - 3 (+ 3 / - 3)

# HEAVY DUTY FORK LIFT TRUCKS

FH

## STAND OVER ANY COMPETING EQUIPMENT

**C** VS FERRARI's range of medium-heavy produces a complete range of Medium Heavy Duty Fork Lift Trucks with capacities ranging from 20,000 to 33,000 Kg, that because of their feature and performances fear no competition in a value for price contest. Standard Load Moment indicator and Limiter, capacitive multi-function joystick, top notch hydraulics and electrics as well as a unique maintenance friendly design are only some of the distinguishing elements that makes these trucks stand over the rest of the pack.



# MODELS

FH20

FH25

FH28

FH32

FH33



## TECHNICAL SPECIFICATIONS



Make		CVS FERRARI				
Truck Type		Heavy Duty Fork Lift Truck				
Model		FH20	FH25	FH28	FH32	FH33
Attachment type		Forks	Forks	Forks	Forks	Forks
Load capacity	kg	20.000	25.000	28.000	32.000	33.000
Load centre distance (+/-/in reach)	mm	1.200	1.200	1.200	1.200	1.200
Load centre to centre of front axle	mm	2.300	2.300	2.300	2.420	2.420
Standard lifting height on forks (option)	mm	4.000				
Max.available lift height on forks (option)	mm	7.000				
Wheelbase	mm	4000	4.250	4.500	4.750	4.750
Service weight - unladen	Kg	34.500	36.700	42.000	43.500	44.500
EU Stage IIIA Engine make&model (Rated Power)	(kW)	CUMMINS QSB 6.7 (194)				
EU Stage V Engine make&model (Rated Power)	(kW)	CUMMINS B 6.7 (168)				
Transmission make&model		ZF 3WG 191 / 3-3				
Service Brakes		Multiple wet disc brakes				
Tires size		14.00-24		16.00-25		
Overall width	mm	3.000			3.450	
Overall length (including forks)	mm	8.340	8.590	9.120	9.370	9.370
Overall height (mast lowered)	mm	3.850			4.050	
Seat height	mm	2.400			2.520	
Mast Tilt, forward / backward	deg	5 / 10				
Forks side-shift	mm	+480 / -480				
Forks size (L x W x T)	deg	2400x200x100	2400x200x100	2400x300x110		

# SUPER HEAVY DUTY FORK LIFT TRUCKS

FH

***CAPACITY,  
MANOEUVRABILITY  
AND RELIABILITY  
LIKE NO OTHER***



**T**he CVS FERRARI range of very high capacity Fork Lift Trucks shares commonality of components with the heavy capacity Reach Stackers range and that makes them a uniquely performant and sophisticated family of machines when compared to their competitive equivalent. Electronically controlled hydraulics, static and dynamic stability control system and the unique CVS FERRARI ENERGY SAVING package are some of the many plus features that render these trucks the benchmark for quality in their capacity range.



# MODELS

FH40C

FH38

FH42

FH45

FH52



## TECHNICAL SPECIFICATIONS



Make		CVS FERRARI				
Truck Type		Super Heavy Duty Fork Lift Truck				
Model		FH40C	FH38	FH42	FH45	FH52
Attachment type		Forks	Forks	Forks	Forks	Forks
Load capacity	kg	40.000	38.000	42.000	45.000	52.000
Load centre distance ( +/- out/in reach)	mm	1.200	1.200	1.200	1.200	1.200
Load centre to centre of front axle	mm	2.360	2.620	2.620	2.620	2.730
Standard lifting height on forks (option)	mm	4.000				
Max.avaiable lift height on forks (option)		8.000				
Wheelbase	mm	5.000	5.000	5.400	5.900	6.250
Service weight - unladen	Kg	55.600	59.500	60.500	61.500	63.500
EU Stage IIIA Engine make&model (Rated Power)	(kW)	CUMMINS X12 (250)				
EU Stage V Engine make&model (Rated Power)	(kW)	CUMMINS X12 (250)				
Transmission make&model		DANA TE30 / 5-3				
Service Brakes		Multiple wet disk brakes				
Tires size		18.00-25				18.00-33
Overall width	mm	3.800	3.800	4.185	4.185	4.185
Overall length (including forks)	mm	9.300*	9.840	10.220	10.720	11.070
Overall height (mast lowered)	mm	4.600	4.600	4.600	4.600	4.700
Seat height	mm	3.000	3.000	2.800	2.800	3.000
Mast Tilt, forward / backward	deg	5 / 10				
Forks side-shift	mm	n/a	+400 / -400			
Forks size (L x W x T)	deg	2140 x 370*	2400x300x135			2400x300x150



**FERRARI**

# PRODUCT RANGE OVERVIEW



www.badini.com

CVS FERRARI S.P.A. reserves the right to change images and the published technical information without prior notice



**FERRARI**

CVS FERRARI S.P.A.  
VIA EMILIA LOC FAVORITA  
29010 ROVELETO DI CADEO (PC) ITALY  
Tel. +39.0523.503511  
www.cvsferrari.com

## EXPERIENCE THE FUTURE