

## Comfort Line

The flexible solution for maximum ride comfort



Maximum ride comfort irrespective of load and temperature

## Comfort Line



The hydraulic lift drive with the LRV electronic lift valve guarantees maximum ride comfort, irrespective of load and temperature. The many options available allow it to be used in a wide range of locations, from new buildings to modernisation. Comfort Line is available for hydraulic lifts up to 40,000 kg total load with a travel distance of up to 25 m.

### Advantages

- Unaffected by fluctuations in load and temperature
- Low energy costs
- Wide operating temperature range
- Short total travel time due to the short slow speed travel
- In many cases no oil cooling or heating is necessary
- Down speeds can be increased by up to 50% at no extra cost and without loss of comfort

### Benefits for you

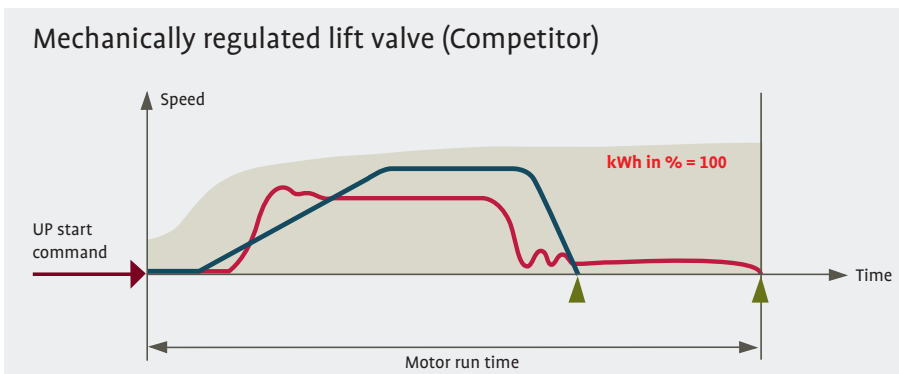
- Excellent travel features
- Low maintenance costs
- Short set-up time
- Freedom of planning for architects, thanks to flexible positioning of drive system

The best valve technology in the world



# The LRV electronically controlled lift valve

The graph below illustrates impressively the stability of the travel curve of the LRV electronic lift valve, irrespective of the operating condition.

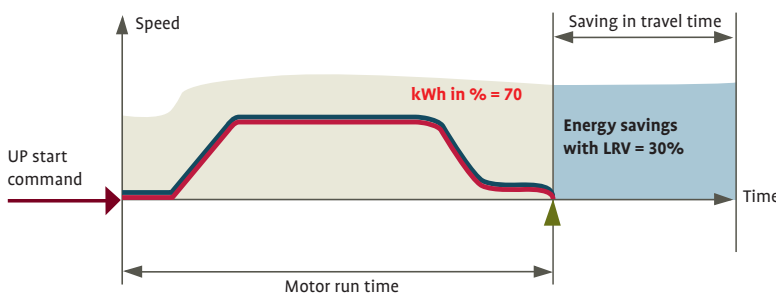


**Energy consumption**

▶ Lower landing

▲ Upper landing

## LRV the electronically controlled lift valve from Bucher Hydraulics



**Energy savings with LRV = 30%**

— Empty car and cold oil (Oil HLP 46 at 10°C)

— Full load and hot oil (Oil HLP 46 at 60°C)



## Delta Controller DELCON

The VF-LRV electronically controlled lift valve is complemented by the latest digital electronic technology.

- Improved travel performance
- Travel curves displayed on PC
- Demand/feedback monitoring (SIU1) and speed monitoring in the door zone (SIU4) are possible
- Fault logging
- Optional adjustments and fault diagnosis via Handterminal or „Windelta 32“ PC software

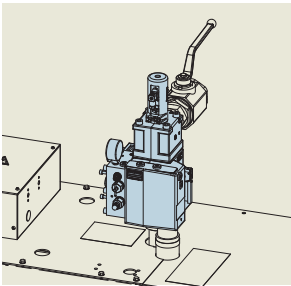
Comfort Line

# Saturn BETA

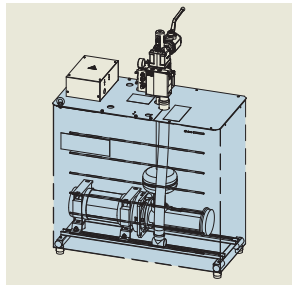
## Wide variations for a broad range of applications

Thanks to the high flexibility, most customer wishes can be satisfied and many technical demands fulfilled.

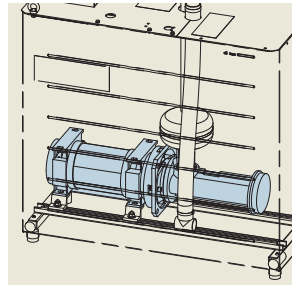
### 3 Valve sizes



### 9 Power unit sizes



### 47 Motor-pump combinations



### Various Options

- Pressure switch
- Soft starter
- Releveling
- Hand pump
- Oil level indicator
- Oil heating
- Oil cooling
- Oil spillage tray
- Oil level switch
- Thermostat
- Handterminal
- WinDelta 32 PC software

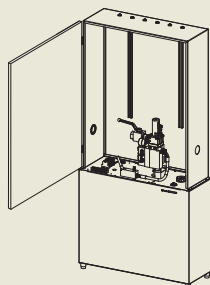
Additional accessories available on request

### Modular design provides the suitable solution: Comfort Line.

- Max. total weight: 40,000 kg
- Max. travel distance: 25m



### Control cabinet



suitable for the following power units:

UDA 150  
UDA 230

### Machine room cabins



C-UDA 150  
UDA 150  
UDA 230  
UDA 350

Products

# The Bucher Hydraulics range

Bucher Hydraulics offers a wide range of hydraulic lift components.



## Electronically controlled lift valves

**LRV:** The proven lift control valves provide unsurpassed ride comfort, irrespective of load and temperature.

**iValve:** The next generation lift control valve adjusts the ride curve by itself to an optimum after a few rides only. It comes prepared for remote access, remote monitoring and intelligent self-prognosis.

## Power units

**Compact Line:** the good-value package solution with the innovative synthetic tank and the C-LRV electronically controlled lift valve.

**Comfort Line:** the standard power unit with the LRV-1 electronically controlled lift valve offers unlimited application possibilities and numerous options.

**Economy Line:** the high-performance, economical, and low-noise drive solution with the VF-LRV electronically controlled lift valve reduces energy consumption by up to 80% in comparison with mechanically controlled hydraulic lift installations.

## Frame kits

**BLF:** The range of side-ram frame kits is suited for hydraulic passenger and goods/passenger lifts with payloads up to 1,600 kg.

**Jupiter:** The range of tandem-frame kits is suited for hydraulic goods/passenger lifts with payloads up to 6,000 kg.

## MRL-drive systems (machine room-less)

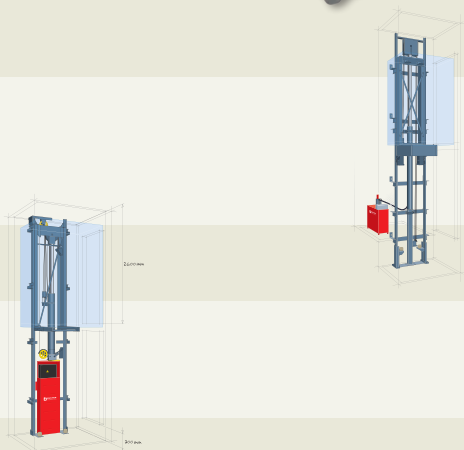
**Tiger:** the best system for optimised shaft utilisation with greater design freedom: The shaft pit can be as low as 300 mm and the shaft head as low as 2600 mm.

## Modernisation

**MULTIKIT:** the route to perfect modernisation of a hydraulic lift drive, without time-consuming and costly replacement of the lift controller.

## Cylinders

Versatile, robust and reliable.



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