

Hydratec smart

a range of low energy integrated hydraulic modernisation packages



*3 year
Warranty*

All Hydratec smart modular lift packages come with a 3 year parts warranty

Terms & Conditions apply please see our website for details



*BS EN ISO 9001:2008
BS EN ISO14001:2004
BS OHSAS 18001:2007*

Hydratec have partnered with two of the industry's leading independent lift equipment manufacturers to produce the Hydratec 'smart'. This new range of low energy integrated hydraulic modernisation packages has been designed specifically to allow easy system configuration to suit end user requirements. As a result the 'smart' range provides lift companies with the ideal EN81-20 hydraulic modernisation solution. Using the advanced Lester Controls Almega II lift controller across all three versions, the options are:



smart
The standard closed loop drive system with the benefit of a soft start



ecosmart
The VVVF drive in up direction only with current limited option



ecosmart+
The VVVF drive for both up and down directions

Intelligent electronics within the iValve ensure ride quality is not compromised by heat or load, unlike most mechanical valves on the market. The iValve's intelligent learning also reduces the likelihood of user complaints due to floor levelling and ride quality problems.

Whilst some valves require the addition of extra pressure switches that clutter up the valve with add-on fittings and adaptors, the iValve does not. Pressure sensing is included within the valve, with extra pressure switching points added via an additional parameter card. All the installer needs to do is plug in and configure the parameter card with the Hand Terminal provided on all smart systems.

With an integrated A3 solution, the iValve has no need for additional safety valves, which induce pressure drops.

The smart range of modernisation packages uses the same ALMEGA II controller, with minor changes to the interface for the different drive systems. This gives clients with multiple sites the opportunity to standardise the system across their portfolio. The same basic valve, be that for a standard or VF drive, allows lift engineers to become familiar with one single product, with the knowledge that spares and technical support are readily available here in the UK.

An industry leading 3 year component warranty as standard means that by installing our system you have made the smart choice.

Each basic system comprises the power unit, controller, shaft wiring & limit package, Car Top Control and CEDES shaft encoder. The system is designed with 'plug and play' wiring to reduce installation times by up to 50%.

Shaft positioning is taken care of by the Lester Controls APS (CEDES) Absolute Positioning System and uses advanced infrared optical sensor technology. Like the rest of the smart system, it was chosen to be virtually maintenance free.

The system's ALMEGA II EN81-20 lift controller is also manufactured by Lester Controls, whilst the high quality iValve drive is from Bucher Hydraulics. Chosen for its ability to self-adjust and optimise the ride, the iValve delivers excellent performance with only minimal input from the installer.

smart - ecosmart - ecosmart+ Pricing Guide

	2 Floor	3 Floor	4 Floor	5 Floor	2 Floor	3 Floor	4 Floor	5 Floor
Package	Load 630kg-Car Weight 800kg Speed 0.5m/s				Load 1000kg-Car Weight 1200kg Speed 0.5m/s			
smart	£6,291	£6,493	£6,643	£6,820	£6,383	£6,600	£6,750	£6,900
ecosmart	£7,448	£7,598	£7,748	£8,045	£7,539	£7,689	£7,839	£7,989
ecosmart+	£8,359	£8,509	£8,629	£8,809	£8,601	£8,751	£8,901	£9,051
Delivery	£265	£265	£265	£265	£265	£265	£265	£265

2 Floor lifts are assumed direct acting with single jack.
3 Floor and above are assumed indirect acting with single jack.



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we service your clients as you

Guide pricing above includes the following items
Power unit with soft start, EN81-20 controller, plug-in shaft wiring bundle (inc limits), Car top control, CEDES shaft information system.
Available at additional cost: Oil, Hose, Bund tray, pushes, indicators, autodialler, cylinder, car frame, lift car, doors

smart standard features
EN81-20 compliant controller
Industry leading 3 year warranty on control and drive system*
Fast installation times through plug and play
UK based Technical support and spares availability
Electronic soft start
4 In-built digital pressure sensors as standard
Inbuilt A3 compliance – no additional safety valve required
Intelligent self adjusting with minimal engineer input
Same basic controller for all 3 drive types (easier for engineers)
Flexible easily configurable system

ecosmart standard features in addition to the smart
VVVF drive in the up direction (soft starter not required)
Configurable for speed or current control at order stage

ecosmart+ standard features in addition to the ecosmart
Full VVVF control in both directions
Reduced heat generation

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