



HYDROWARE PRODUCTS AVAILABLE FROM HYDRATEC

HYDROELITE VIDI AND HYDROELITE VENI HYDRAULIC ELEVATOR SYSTEMS



*12 months
on-site warranty*

All our work comes with the assurance that any callbacks are covered including parts and labour



Our engineers are certified First Aiders so can even work when the site First Aider is absent

HYDROELITE® VIDI

Hydroware® products have become well established in the UK market and are now one of the leading manufacturers in the area of elevator hydraulic systems. As a result, Hydratec have been successfully installing Hydroware's low energy integrated hydraulic control and drive systems for a significant time. Hydratec's directly employed engineers and installers are experienced and knowledgeable of the installation process and set up of Hydroware hydraulic systems.

The Hydroelite product is an integrated control and drive system for hydraulic elevators. The heart of the system is a unique patented valve that through servo technology, obtains completely different characteristics than conventional systems.

The elevator arrives to the floors with direct approach, that dramatically reduces the energy consumption and also increases the traffic capacity.

The system is self-learning and does not demand any manual adjustments during installation. The communication between the different functions of the system is via a CAN bus that reduces the installation time significantly, and at the same time allows increased system flexibility.

FEATURES/BENEFITS*

- VVVF Valve
- Up to 40% heat reduction over traditional hydraulic elevator systems
- Power demand up to 33% lower than traditional hydraulic elevator systems
- Direct approach to floor
- Energy consumption cut by up to 50%
- Floor level accuracy +/- 3mm

One of the great benefits with Hydroelite Vidi is that the power demand is only one third of that required by traditional hydraulic elevator systems. This means that you can downsize the isolator and thereby also save money.

All this is possible by gradually reducing the full speed up if the payload is more than 25%. (According to VDI 4707 approximately 80% of all elevator travels are completed with less than 25% payload), and also increases the traffic capacity.

HYDROELITE® VENI & VIDİ COMPARED TO OTHER SYSTEMS*

Speed: 0.6m/s – Floors: 4 – Journeys per year: 100 000

325 kg	Mechanical valve, Y/D-start	Hydroelite Veni	Hydroelite Vidi
Isolator (A)	35	20	10
Energy consumption/year (kWh/year)	2200	1400	1100
Nominal current (A)	22	19	9
Motor (kW)	9,5	7,7	5,5
Inverter (kW)	-	-	4
Tank volume (l)	200	230	135
Traffic capacity without cooler, journeys/h	59	126	150

630 kg	Mechanical valve, Y/D-start	Hydroelite Veni	Hydroelite Vidi
Isolator (A)	50	35	16
Energy consumption/year (kWh/year)	3400	2100	1700
Nominal current (A)	29	27	13
Motor (kW)	12,5	11	7,5
Inverter (kW)	-	-	5,5
Tank volume (l)	200	230	135
Traffic capacity without cooler, journeys/h	52	105	122

1000 kg	Mechanical valve, Y/D-start	Hydroelite Veni	Hydroelite Vidi
Isolator (A)	63	35	16
Energy consumption/year (kWh/year)	5000	3100	2500
Nominal current (A)	48	32	17
Motor (kW)	22	14,7	11
Inverter (kW)	-	-	7,5
Tank volume (l)	400	230	135
Traffic capacity without cooler, journeys/h	55	84	99

1600 kg	Mechanical valve, Y/D-start	Hydroelite Veni	Hydroelite Vidi
Isolator (A)	80	63	25
Energy consumption/year (kWh/year)	7600	4700	3800
Nominal current (A)	64	52	25
Motor (kW)	29,4	24	15
Inverter (kW)	-	-	11
Tank volume (l)	400	400	290
Traffic capacity without cooler, journeys/h	44	85	103

2000 kg	Mechanical valve, Y/D-start	Hydroelite Veni	Hydroelite Vidi
Isolator (A)	100	63	35
Energy consumption/year (kWh/year)	9200	5700	4600
Nominal current (A)	80	63	29
Motor (kW)	36,8	29	18,5
Inverter (kW)	-	-	15
Tank volume (l)	700	400	290
Traffic capacity without cooler, journeys/h	51	72	85



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