

Feeding...

Screening...

Conveying...

State of the art

The ViPower range of VPLH Natural frequency conveyors operate at their own frequency, which is the frequency, in cycles per minute, of a free vibration of an elastic system. For example, once set in motion, a spring mounted weight will vibrate at its natural frequency until frictional losses gradually slow it to stop. When the force is periodically applied in resonance with the natural frequency of the spring and weight system, large amplitudes of vibration can be maintained with a very small exciting force. This will provide no heavy stresses to the springs, drive-shaft and bearings, which results in a longer conveyor life, lower maintenance and power costs. Whatever the application is, Construction and Demolition waste, wood, rubber, scrap metal, domestic refuse, ViPower Natural frequency conveyors handle it. The ViPower Range of conveyors are available as standard, balanced, isolated or balanced & isolated. With this ViPower Europe BV can minimise vibrations up to 98%. The ViPower Natural frequency conveyors are formed of lasercut tab and slot welded construction parts, which allows us to manufacture an accurate machine with short lead-times.



Flexibility

Units are available with dimensions up to 40 meters in length and 3 meters in width. A wide range of options is available including covers, discharge chutes, screens and support stands. All models are available in mild steel or with 304 stainless steel contact parts.

Reliability

All machines within the ViPower VPLH range come complete with a 12 month mechanical warranty. Laser profiling and "slot & tab" construction are extensively employed in our designs, ensuring optimum simplicity and durability. All major components such as motors and bearings, have an expected working life in excess of 30,000 hours.

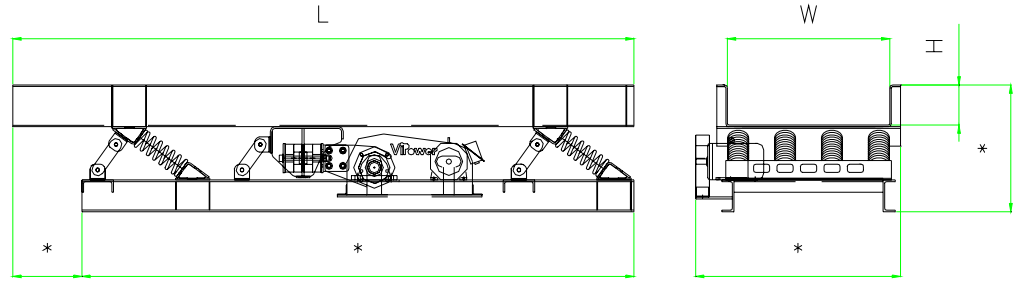
Precision

For applications where variable or metered feeds are required, the VPLH range can be operated in conjunction with an electronic frequency inverter control. Also the motor can be optional supplied with clicksons, which shut it off when overload or heat causes problems.



For more information, please contact ViPower Europe BV

Natural Frequency



Natural Frequency

model	L	W	H	Power	weight
VPLH 4000x600	4000	600	200	4,0	2200
VPLH 5000x800	5000	800	200	5,5	2800
VPLH 6000x800	6000	800	300	7,5	3000
VPLH 6000x1000	6000	1000	300	7,5	3200
VPLH 8000x1000	8000	1000	300	7,5	4300
VPLH 8000 x 1200	8000	1200	300	11,0	4600
VPLH 10000 x 1200	10000	1200	300	11,0	5500
VPLH 10000 x 1500	10000	1500	400	11,0	6500
VPLH 12000 x 1200	12000	1200	400	11,0	6300
VPLH 12000 x 1500	12000	1500	400	11,0	7000
VPLH 12000 x 2000	12000	2000	400	11,0	10500
VPLH 15000 x 1200	15000	1200	400	15,0	7000
VPLH 15000 x 1500	15000	1500	400	15,0	8500
VPLH 15000 x 2000	15000	2000	400	15,0	13000
VPLH 20000 x 1000	20000	1000	400	22,0	11000
VPLH 20000 x 1500	20000	1500	400	22,0	13500
VPLH 30000 x 1000	30000	1000	400	22,0	15500
VPLH 30000 x 1500	30000	1500	400	30,0	17000
VPLH 40000 x 1000	40000	1000	400	30,0	21000
VPLH 40000 x 1200	40000	1200	400	30,0	24000

The specified models are just to show our standards. Length can variate from 4 – 40 meters, width from 0,4 – 3 meters and pan height from 0,1 - 1 meter.