

HydraLift™

Quickly clear wide traffic lanes at sites with space constraints

A unique gate operator for atypical environments where the gate rises straight up. Perfect for sites with little room for gates to swing or slide, or when fast cycle times are required to clear wide access points.

Features:

**Fast:**

Opens multiple lanes of traffic in as little as 8 seconds.

**Powerful:**

Lifts gates up to 2,000 lbs.

**Durable:**

Decades long life and low maintenance.

**Smart:**

Integrated primary/secondary controls and pre-programmed relay settings.

**Reliable:**

UPS models remain functional during a power outage.

**Programmable:**

Configurable for specific site requirements.

**Made in USA:**

Designed, tested and built within USA from globally sourced materials.

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powered by **SmartTouch**

Technical Specifications

Model	HydraLift 20	HydraLift 20F	HydraLift 20 UPS	HydraLift 20F UPS
Duty Cycle	Continuous		Continuous*	1,000 cycles/day*
Horsepower	2 hp	5 hp	2 hp	4 hp
Drive	Hydraulic			
Rate of Travel	1 ft/s (30 cm/s)	2 ft/s (61 cm/s)	1 ft/s (30 cm/s)	2 ft/s (61 cm/s)
Gate Length Max.	80 ft (24 m)			
Gate Weight Max.	2,000 lb (907 kg)			
UPS Battery Backup Cycles	See HydraLift 20 UPS	See HydraLift 20F UPS	DC Power Supply w/HyCharger DC™ provides up to 150 cycles after an AC power loss.*	DC Power Supply w/HyCharger DC™ provides up to 100 cycles after an AC power loss.*
Temperature Rating	-40° to 158° F (-40° to 70° C)	-40° to 158° F (-40° to 70° C) No heater necessary	-40° to 158° F (-40° to 70° C)	
Single Phase Voltages	208/230V 60Hz, 220V 50Hz*	230V 60Hz, 220V 50Hz*	115† 60/50Hz, 23A ** or 208/230V 60/50Hz, 11.5A	
Three Phase Voltages	208/230/460V 60Hz, 220/380V 50Hz*		N/A	
Communication	RS-232, RS-485			
User Controls	Smart Touch Controller with 70+ configurable settings. Smart Touch keypad and 32 character, OLED display or a PC using S.T.A.R.T. software.			
Relays	Three configurable user relays: one 30VDC, 3A solid state and two 250VAC, 10A electromechanical. Optional Hy8Relay™ for 8 additional relay outputs.			
Enclosure	HydraSupply: Type 3R, 30w x 42h X 12d inch (76w x 107h x 30.5d cm)		HydraSupply: Type 3R, 30w x 42h x 12d inch (76w x 107h x 30.5d cm); DC Power Supply: Type 3R, 30w x 30h x 12d inch (76w x 76h x 30.5d cm)	
Finish	Hot dipped galvanized lifting posts			
ETL Listed (UL 325)	Usage Class I, II, III, IV	Usage Class III, IV	Usage Class I, II, III, IV	Usage Class III, IV
Warranty	5 year w/product registration			

* Refer to Installed Options on pricing for all 50Hz voltages, which are special order.

** HydraLift 20: 1,500 cycles/day expected duty cycle. HydraLift 20F: 1,000 cycles/day expected duty cycle. The operator's normal duty cycle and the actual number of gate cycles available from battery depends upon gate resistance to travel, cycle length, battery size, state of charge and health, ambient temperature, accessory power draw and frequency of gate cycles during power outage.

† 115V DC Power Supply requires a 30A branch circuit. Choose voltage with care as chargers are not field convertible. This gate operator requires an external entrapment protection sensor to monitor the close direction of travel.



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Nice/HySecurity is an industry leader of automated gate and perimeter security solutions.

The HySecurity brand provides high-quality, ultra-reliable industrial gate operators and crash-rated, Hostile Vehicle Mitigation (HVM) vehicle barriers designed to secure and protect critical infrastructure and facilities worldwide.



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