

# SPECIFICATIONS: VEHICLE MOUNTED: HL SERIES

Designed to Pump Both High and Low Pressure Simultaneously



## HL Series Pump Performance

Model	Low Pressure							High Pressure						
	GPM	L/min	L/Sec	PSI	Bar	kPa	MPa	GPM	L/min	L/Sec	PSI	Bar	kPa	MPa
HL200	500	2000	33	150	10	1000	1.0	100	400	6.5	600	40	4000	4.0
HL300	750	3000	50											
HL400	1000	4000	65											

### Pump Features

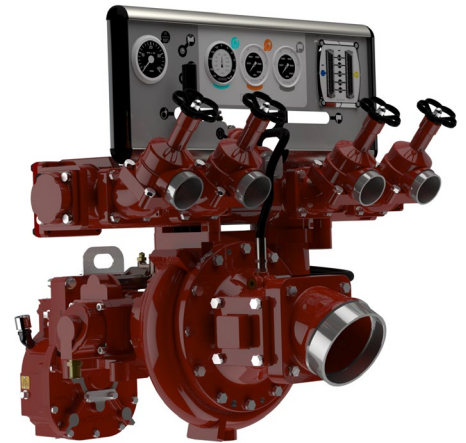
- Designed to pump both high and low pressure simultaneously
- Lightweight, corrosion-resistant aluminum construction (bronze optional)
- Low Pressure Impeller - Wear-resistant, anodized aluminum, flame-plated hubs
- High Pressure Impeller – Bronze
- Stainless Steel Impeller / Bronze Wear Ring
- Automatic piston primer
- Automatic thermal relief valve
- Self-adjusting mechanical seal
- Anodized aluminum or bronze intake with 30° droop, two (2) auxiliary 4" side flanges
- Anodized aluminum or bronze discharge manifold with six (6) outlets
- Interstage Crossover Valve incorporates both a built-in high pressure relief valve and a removable strainer for the high pressure stage inlet



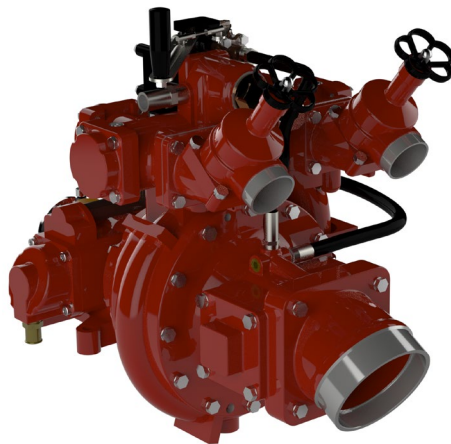
**HL300 Model**

### Conditions of Sales

For details on Waterous Conditions of Sales, refer to F-2190, *Conditions of Sales* located on the Waterous web site at [www.waterousco.com](http://www.waterousco.com) or by contacting Waterous.



**HL400 Model**



**HL200 Model**

### Optional Equipment

#### Round the Pump (RTP) Foam Proportioner:

The Waterous RTP Foam Proportioner consists of an eductor, foam proportioning valve and an ON/OFF control valve. When activated, a portion of the pump discharge flow is directed to the eductor, causing a pressure drop in the eductor, which draws foam concentrate through the proportioning valve. The foam mixes with the water flowing through the eductor. The foam solution then enters the pump through the pump intake and finally delivered to the discharge outlets.

#### Instrument Panel:

Contains High Pressure, Normal Pressure, Compound Pressure Gauges and Tachometer.

#### K Series Transmission:

The K Series Transmission is normally used when a truck transmission mounted power take-off is selected as the pump drive.

#### Housing: Aluminum

**Gears:** Helical, precision cut, crown shaved for proper load distribution and quiet operation.

#### Material:

Bronze construction available.

#### Total Protection Package (TPP-5)

The Total Protection Package is a comprehensive warranty that increases your standard 7 year warranty to include labor expenses to dismantle, remove and reinstall covered products or parts for a period of five years.

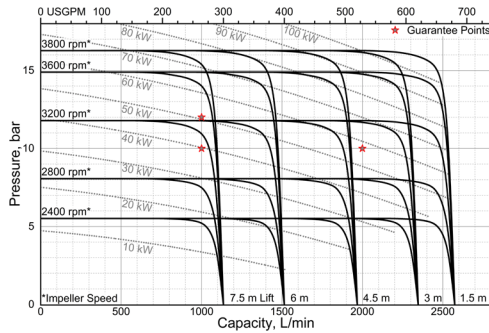
HL Series Pump Weight		
Model	Pounds	kg
HL200	218	100
HL300	227	103
HL400	275	125

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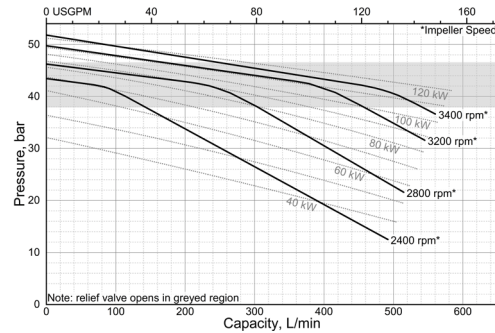
## HL200/300/400 SERIES SIMULTANEOUS PUMP PERFORMANCE SHEET (Speed and Power Data)

Pump Series	Stage				Speed (RPM)	Power (kW)
	High Pressure		Low Pressure			
	LPM	bar	LPM	bar		
200/300 300	250	40	1780	8	2750	100
			2435	7		
200/300 300 300 300	400	40	2210	10	3135	135
			2800	9		
			3150	8		
			3355	7		
400 400 400	250	40	580	9	2865	145
			3785	8		
			4500	7		
400 400 400 400	400	40	4620	10	3360	285
			5235	9		
			5725	8		
			6180	7		

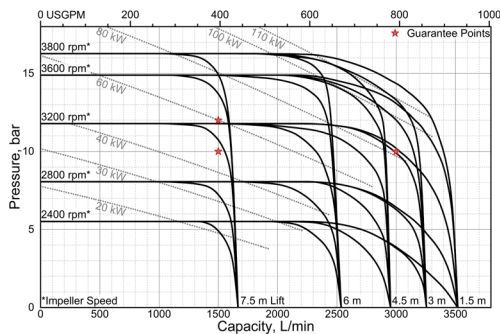
HL200 Low Pressure Performance Curve  
Impellers: 73224 & 72906



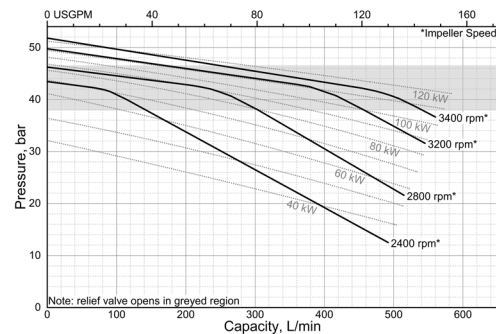
HL200/300 High Pressure Performance Curve  
Impeller: 82577



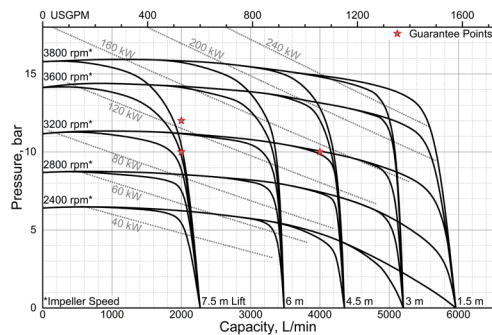
HL300 Low Pressure Performance Curve  
Impellers: 73224 & 72906



HL200/300 High Pressure Performance Curve  
Impeller: 82577



HL400 Low Pressure Performance Curve  
Impellers: 73812 & 83152



HL400 High Pressure Performance Curve  
Impeller: 82577

