



**Single Phase,  
115/208-230V AC,  
Cast Iron  
5UWJ3**



**Three Phase,  
208-230/460V AC,  
Stainless Steel  
5UWL6**

## Vertical Booster Pumps

- TEFC motor enclosure
- Flange connections
- Intake and discharge: 1 1/4"

Oriented vertically and occupy a smaller footprint than horizontal booster pumps. Pumps reach higher pressures than standard centrifugal pumps and are used in specialized, industrial, and commercial applications where higher pressures are required. For use with non-potable systems. 3-phase pumps do not have overload protection, which must be provided by a starter unit sold separately, see page 153.

HP	Flow Rate @ 40 psi	Flow Rate @ 60 psi	Flow Rate @ 80 psi	Flow Rate @ 100 psi	Flow Rate @ 120 psi	Shut Off Pressure (Maximum)	Maximum Media Temperature	Case Pressure (Maximum)	Item No.
<b>Single Phase, 115/208-230V AC</b>									
<b>Cast Iron Housing</b>									
2	—	22 gpm	19 gpm	16 gpm	12 gpm	148 psi	248 °F	245 psi	5UWJ3
<b>Stainless Steel Housing</b>									
1	17 gpm	6 gpm	—	—	—	66 psi	248 °F	362 psi	5UWK7
2	—	22 gpm	19 gpm	16 gpm	12 gpm	148 psi	248 °F	245 psi	5UWK9
<b>Single Phase, 230V AC</b>									
<b>Stainless Steel Housing</b>									
3	—	42 gpm	35 gpm	25 gpm	9 gpm	127 psi	362 °F	245 psi	5UWL2
<b>Three Phase, 208-230/460V AC</b>									
<b>Cast Iron Housing</b>									
1	17 gpm	6 gpm	—	—	—	66 psi	248 °F	362 psi	5UWJ7
3	—	—	—	22 gpm	20 gpm	230 psi	248 °F	245 psi	5UWK0
<b>Stainless Steel Housing</b>									
1	17 gpm	6 gpm	—	—	—	66 psi	248 °F	245 psi	5UWL3
1 1/2	22 gpm	19 gpm	14 gpm	5 gpm	—	108 psi	248 °F	245 psi	5UWL4
2	—	22 gpm	19 gpm	16 gpm	12 gpm	148 psi	248 °F	245 psi	5UWL5
3	—	—	—	22 gpm	20 gpm	230 psi	248 °F	245 psi	5UWL6



**1CJE5**



**33RW82**



## Engine-Driven Fire Pumps

Engine fire pumps reach high discharge pressures necessary to spray water over long distances. They are engine driven and can be relocated to where the pump is needed.

HP	Engine Capacity	Fuel Tank Capacity	Base Material	Flow Rate @ 40 psi	Flow Rate @ 60 psi	Flow Rate @ 80 psi	Maximum Flow Rate	Compatible Intake Hose Size	Compatible Discharge Hose Size	Intake Type	Discharge Type	Brand	Mfr. Model	Item No.
10	296 cc	6 L	Aluminum	130 gpm	100 gpm	90 gpm	140 gpm	1 1/2 in	1 in, 1 1/2 in	NPTM	NPTM	Davey	5210BE/NPT-0	1CJE5
10 1/2	465 cc	2.8 qt	Polyethylene with Cell Polyurethane Foam	250 gpm	145 gpm	—	390 gpm	4 in	2 1/2 in	Screened	NH	W.S. Darley & Co.	HEF10.5BS	4TA44
13	420 cc	8.35 qt	Aluminum	270 gpm	220 gpm	170 gpm	322 gpm	3 in	2 1/2 in	NPTM	NPT	W.S. Darley & Co.	2BE13V	33RW82



**Single Phase,  
115/208-230V AC  
4UP50**

**Three Phase,  
208-230/460V AC  
4UP60**



HP	Flow Rate @ 10 psi	Flow Rate @ 20 psi	Flow Rate @ 30 psi	Shut Off Pressure (Maximum)	Best Efficiency Head	Intake & Discharge Size	Motor Type	Motor Enclosure†	Item No.
<b>Single Phase, 115/208-230V AC</b>									
<b>Bronze</b>									
1/2	3.35 gpm	3.15 gpm	2.95 gpm	125 psi	74 ft	3/4 in., 3/4 in.	Capacitor-Start	ODP	4UP50
1/2	6.2 gpm	5.8 gpm	5.5 gpm	110 psi	52 ft	3/4 in., 3/4 in.	Capacitor-Start	ODP	4UP51
1 1/2	9.7 gpm	9.2 gpm	8.8 gpm	140 psi	75 ft	1 1/4 in., 1 in.	Totally Enclosed Fan-Cooled	TEFC	53EA98
<b>Cast Iron</b>									
1/2	6.8 gpm	6.6 gpm	6.3 gpm	130 psi	95 ft	1 in., 1 in.	Capacitor-Start	ODP	4UP52
3/4	8.9 gpm	8.6 gpm	8.4 gpm	145 psi	78 ft	1 in., 1 in.	Capacitor-Start	ODP	4UP53
<b>Single Phase, 115/230V AC</b>									
<b>Bronze</b>									
3/4	7.6 gpm	7.3 gpm	7.1 gpm	120 psi	75 ft	1 1/4 in., 1 in.	Capacitor-Start/Run	ODP	53EA96
<b>Cast Iron</b>									
1/2	4.3 gpm	4.2 gpm	4.1 gpm	170 psi	112 ft	1 1/4 in., 1 in.	Capacitor-Start	ODP	4P913
3/4	7.5 gpm	7.3 gpm	7.2 gpm	160 psi	100 ft	1 1/4 in., 1 in.	Capacitor-Start	ODP	4P915
1	7.6 gpm	7.3 gpm	7.1 gpm	120 psi	75 ft	1 1/4 in., 1 in.	Capacitor-Start/Run	ODP	53EC04
1	11.1 gpm	10.8 gpm	10.6 gpm	105 psi	130 ft	1 1/4 in., 1 in.	Capacitor-Start	ODP	4P916
<b>Three Phase, 208-230/460V AC</b>									
<b>Bronze</b>									
1/2	6 gpm	5.4 gpm	4.9 gpm	120 psi	100 ft	3/4 in., 3/4 in.	3-Phase	ODP	4JPD6
2	18.7 gpm	17.8 gpm	16.8 gpm	120 psi	75 ft	1 in., 1 in.	3-Phase	TEFC	4JPE9
<b>Cast Iron</b>									
3/4	7.6 gpm	7.3 gpm	7.1 gpm	120 psi	75 ft	1 1/4 in., 1 in.	3-Phase	ODP	4JPF6
1	11.2 gpm	10.9 gpm	10.5 gpm	120 psi	75 ft	1 1/4 in., 1 in.	3-Phase	ODP	4JPF7
1 1/2	9.7 gpm	9.2 gpm	8.8 gpm	140 psi	70 ft	1 1/4 in., 1 in.	3-Phase	TEFC	4JPF9
2	22.5 gpm	21.5 gpm	20.5 gpm	100 psi	75 ft	1 1/4 in., 1 in.	3-Phase	TEFC	4JPG2
2	25 gpm	23.7 gpm	22.8 gpm	85 psi	75 ft	1 in., 1 in.	3-Phase	TEFC	4UP58
3	17 gpm	16.8 gpm	16.5 gpm	160 psi	130 ft	1 1/4 in., 1 in.	3-Phase	TEFC	4UP60
5	22.3 gpm	22 gpm	21.3 gpm	160 psi	120 ft	1 1/4 in., 1 in.	3-Phase	TEFC	4UP61
7 1/2	41.5 gpm	40.6 gpm	39.8 gpm	170 psi	155 ft	1 1/4 in., 1 in.	3-Phase	TEFC	4UP66
<b>Three Phase, 230/460V AC</b>									
<b>Bronze</b>									
1 1/2	9.7 gpm	9.2 gpm	8.8 gpm	140 psi	75 ft	1 1/4 in., 1 in.	3-Phase	TEFC	53EA99
2	22.5 gpm	21.5 gpm	20.5 gpm	100 psi	75 ft	1 1/4 in., 1 in.	3-Phase	TEFC	53EC02
<b>Cast Iron</b>									
3	18.4 gpm	17.8 gpm	17.2 gpm	120 psi	80 ft	1 1/4 in., 1 in.	3-Phase	TEFC	53EC06

† TEFC = Totally Enclosed Fan Cooled. ODP = Open Drip Proof.



## Turbine Pumps

- NPT connections

Produce higher pressures than typical straight centrifugal pumps and are optimal for boiler feed systems that require high pressures and heads. These pumps are sized by horsepower (HP) and pair with motors of the same HP to meet application pressure and flow rate requirements. 3-phase pumps do not have overload protection, which must be provided by a starter unit sold separately, see page 153.