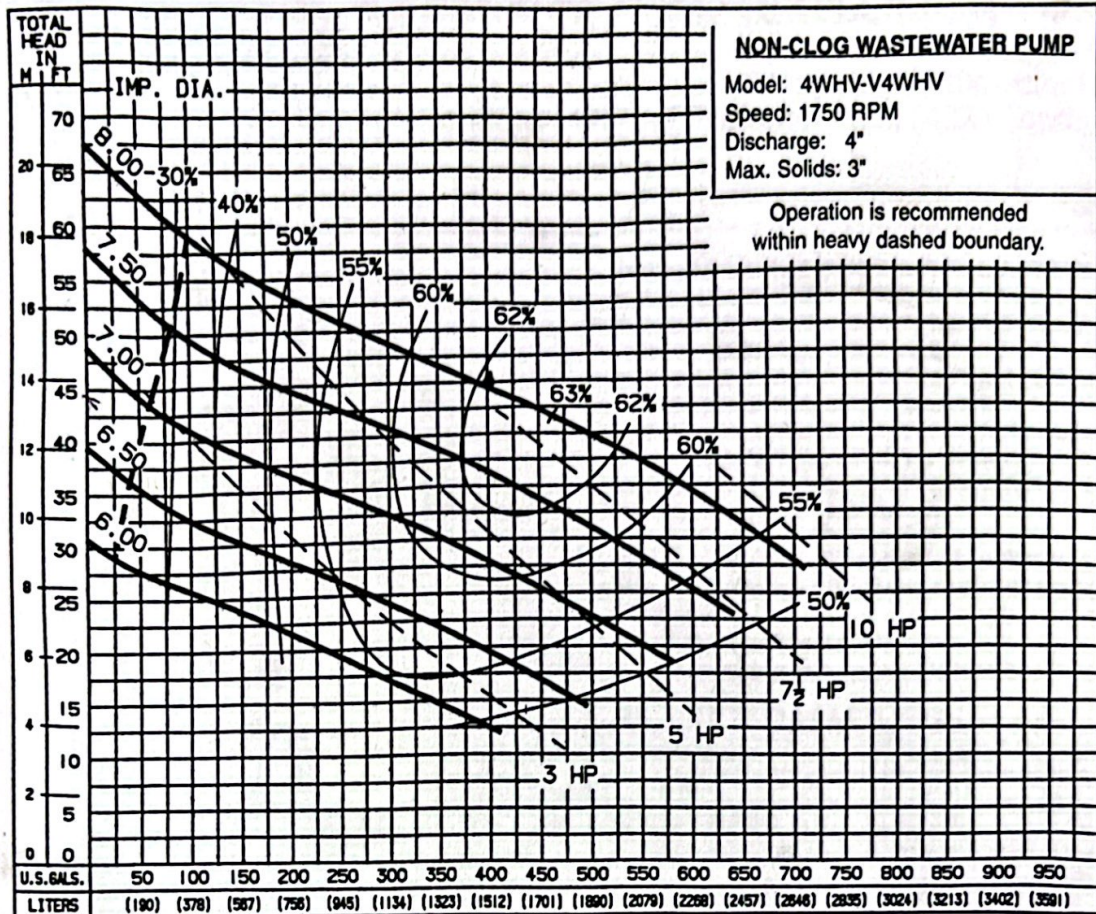


# Pump Performance



Pump performance is based on clear water (1.0 specific gravity @ 68°F) and pump fluid end (hydraulic) efficiency. Motor data based on 40°C ambient temperature.

Available Models	Motor Electrical Data												
	Standard	HP	Volts	Phase	Hertz	Start Amps	Run Amps	Service Factor	Run KW	Service Factor	Start KVA	Run KVA	NEC Code Letter
4WHV30M4-21	3	230	1	60	101	17.5	21	2.1	2.5	23.2	4.0	J	1.2
4WHV30M4-03	3	200	3	60	66.7	15	18	3.5	4.3	23.0	5.0	G	1.2
4WHV30M4-23	3	230	3	60	58	12	14.4	3.5	4.3	23.0	5.0	G	1.2
4WHV30M4-43	3	460	3	60	29	6	7.2	3.5	4.3	23.0	5.0	G	1.2
4WHV30M4-53	3	575	3	60	21.3	5	6	3.5	4.3	23.0	5.0	G	1.2
4WHV50M4-21	5	230	1	60	141	34	41	6.3	7.7	32.4	7.8	H	1.2
4WHV50M4-03	5	200	3	60	111	21.6	26	5.6	6.9	38.4	7.2	H	1.2
4WHV50M4-23	5	230	3	60	96	18	21.6	5.6	6.9	38.4	7.2	H	1.2
4WHV50M4-43	5	460	3	60	48	9	10.8	5.6	6.9	38.4	7.2	H	1.2
4WHV50M4-53	5	575	3	60	39	7.2	8.6	5.6	6.9	38.4	7.2	H	1.2
4WHV75M4-03	7.5	200	3	60	172	32.2	37	8.0	9.9	59.5	11.1	J	1.2
4WHV75M4-23	7.5	230	3	60	150	28	32	8.0	9.9	59.7	11.1	J	1.2
4WHV75M4-43	7.5	460	3	60	74.8	14	16	8.0	9.9	59.7	11.1	J	1.2
4WHV75M4-53	7.5	575	3	60	67.2	11.2	13	8.0	9.9	66.8	11.1	K	1.2
4WHV100M4-03	10	200	3	60	172	37	37	10.1	10.1	59.5	12.8	G	1.0
4WHV100M4-23	10	230	3	60	150	32	32	10.1	10.1	59.7	12.8	G	1.0
4WHV100M4-43	10	460	3	60	74.8	16	16	10.1	10.1	59.7	12.8	G	1.0
4WHV100M4-53	10	575	3	60	67.2	13	13	10.1	10.1	66.8	12.8	H	1.0

Motor Efficiencies and Power Factor									
HP	Phase	Motor Efficiency %				Power Factor %			
		Service Factor	100% Load	75% Load	50% Load	Service Factor	100% Load	75% Load	50% Load
		Load	Load	Load	Load	Load	Load	Load	Load
3	1	71	70	67	59	52	51	49	45
3	3	74	73.5	69.5	61.5	73	70.5	62.5	52
5	1	67.5	68	65	56	83	81	73	62.5
5	3	77	77	77	70.5	80	77.5	71	59.5
7.5	3	75	75	72.5	65	77	72	62	49.5
10	3	75	75	75	71	79	79	72	58