SEWAGE
SUBMERSIBLE PUMP







PNC®
Pure & Cure Technology

Innovative Solutions with Expertise in **Pumping technology**





Pure & Cure Technology

Applications .....

Commercials, Industrial & Municipal Sectors :-

Industrial Waste water treatment plants

Municipal water treatment plants

Ground water treatment plants

Waste water pump stations Typical pumped

Wastewater (with solids) Industrial water

Sludge / sewage sludge / Chemicals

Specification

Power	1 to 10.0 HP
Speed	2900 rpm
Version	1ph 230V, 50Hz 3ph 230V, 50Hz
Duty	S1 (Continuous)
Protection	Ip68
Insulation Class	F
Head Range	6 to 27 m
Flow Range	30 to 1693 lpm

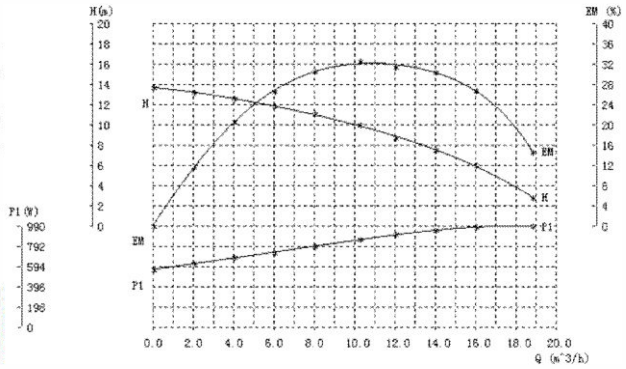
Materials of Construction

Pump Casing	Cast Iron
Motor Housing	SS / CI
Impeller	High Chrome
Shaft	SS / Carbon Steel
Cutter Blade	SS
Mechanical Seal	Graphite - Silicon Carbide
Cable	8 mtr H07RNF

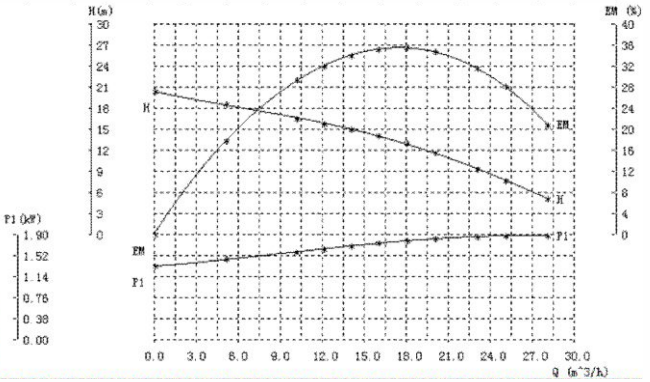
MODEL/2900 RPM	KW/HP	FLOW (m3/hr)	5	10	15	20	25	30	40	50	60	70	80	90	100	120
50WQD10-12-0.75F	0.75/1.0		12	10	6	2										
50WQD15-9-1.1F	1.1/1.5		16	14	11	7										
50WQ18-15-1.5T	1.5/2.0		19	17	14	12	8	5								
50WQ9-22-2.2T	2.2/3.0		23	21	19	17	14	10	5							
80WQ45-9-2.2T	2.2/3.0			15	14	14	13	12	11	10	8	5				
80WQ40-16-4T	4/5.5			20	20	19	18	17	15	12	10	5				
100WQ65-15-5.5T	5.5/7.5					20	19	19	18	17	16	15	14	12	9.5	5
100WQ80-15-7.5	7.5/10	HEAD (mtr)				22	22	21	20	19	18	17	16	14	11	7
CUTTER TYPE																
50WQD10-10-0.75C	0.75/1.0		12	10	8	3										
50WQD12-15-1.5C	1.5/2.0		19	17	15	12	10	7								
65WQ20-15-2.2C	2.2/3.0		20	18	16	15	12	10	4							
65WQ40-15-4C	4/5.5		26	25	23	22	20	18	13	5						
100WQ65-15-5.5C	5.5/7.5					21	20	19	19	17	15	13	11	9	7	5
100WQ100-12-7.5C	7.5/10					25	24	23	23	21	20	18	16	14	12	8.5

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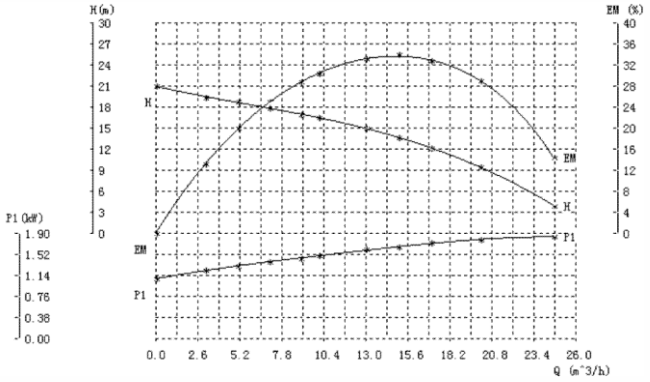
	Model : 50WQD10-12-0.75										
	(V)	(A)	(kPa)	(kPa)	(m^3/h)	(r/min)	(W)	(m^3/h)	(m)	(%)	(W)
1	219.93	2.66	0.00	119.05	0.00	2933.31	562.52	0.00	13.69	0.00	562.52
2	219.90	2.91	0.00	113.70	2.02	2923.10	620.10	2.02	13.15	11.67	620.10
3	219.87	3.15	0.00	107.26	4.05	2913.47	675.93	4.05	12.50	20.41	675.93
4	219.87	3.39	0.00	100.39	6.00	2903.25	729.61	6.00	11.82	26.49	729.61
5	219.89	3.63	0.00	92.24	8.00	2892.65	786.35	8.00	11.02	30.54	786.35
6	219.89	3.95	0.00	81.64	10.25	2876.67	855.34	10.25	9.98	32.59	855.34
7	219.84	4.17	0.00	68.07	12.00	2863.27	903.15	12.00	8.64	31.27	903.15
8	219.82	4.36	0.00	56.28	14.01	2853.46	945.75	14.01	7.49	30.22	945.75
9	219.82	4.48	0.00	40.71	16.01	2846.87	972.47	16.01	5.96	26.74	972.47
10	219.81	4.54	0.00	8.54	18.84	2841.69	985.96	18.84	2.78	14.49	985.96



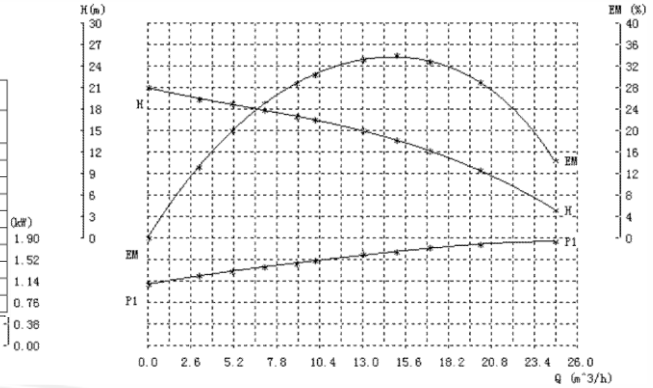
	Model : 50WQ18-15-1.5										
	(V)	(A)	(kPa)	(kPa)	(m^3/h)	(r/min)	(W)	(m^3/h)	(m)	(%)	(W)
1	380.98	2.48	0.00	184.01	0.00	2919.91	1316.01	0.00	20.31	0.00	1316.01
2	380.98	2.67	0.00	166.69	5.14	2912.67	1453.51	5.14	18.47	17.79	1453.51
3	380.96	2.83	0.00	145.45	10.19	2904.00	1562.19	10.19	16.49	29.30	1562.19
4	380.96	2.92	0.00	137.74	12.08	2899.20	1623.04	12.08	15.74	31.92	1623.04
5	380.95	3.01	0.00	128.98	14.09	2894.58	1684.49	14.09	14.90	33.96	1684.49
6	380.96	3.10	0.00	119.71	16.03	2887.46	1747.69	16.03	14.02	35.03	1747.69
7	380.98	3.15	0.00	108.39	18.00	2884.44	1784.83	18.00	12.93	35.53	1784.83
8	380.97	3.21	0.00	94.21	20.05	2880.75	1821.68	20.05	11.57	34.68	1821.68
9	380.94	3.25	0.00	70.12	23.04	2878.26	1846.33	23.04	9.24	31.43	1846.33
10	380.95	3.27	0.00	53.39	25.08	2876.71	1862.01	25.08	7.64	28.02	1862.01
11	380.96	3.28	0.00	26.73	28.10	2874.14	1870.39	28.10	5.08	20.80	1870.39



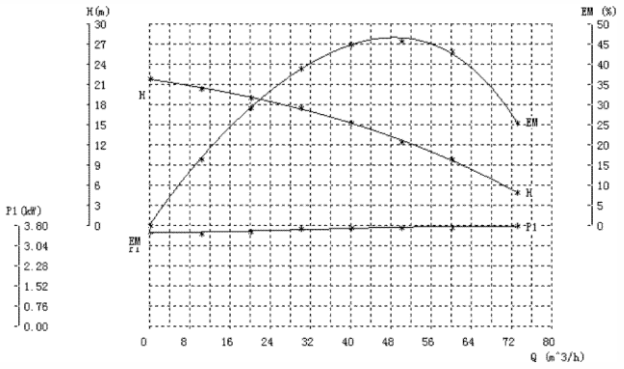
NO	Model : 50WQ9-22-2.2 T										
	(V)	(A)	(kPa)	(kPa)	(m^3/h)	(r/min)	(W)	(m^3/h)	(m)	(%)	(W)
1	381.10	2.85	0.00	189.93	0.00	2957.80	1064.12	0.00	20.92	0.00	1064.12
2	381.10	3.01	0.00	174.24	3.07	2953.36	1234.64	3.07	19.33	13.09	1234.64
3	381.09	3.07	0.00	167.11	5.12	2952.46	1305.36	5.12	18.62	19.89	1305.36
4	380.31	3.15	0.00	159.08	7.03	2946.30	1370.23	7.03	17.82	24.91	1370.23
5	381.07	3.23	0.00	149.17	9.01	2943.04	1437.85	9.01	16.84	28.75	1437.85
6	381.07	3.29	0.00	144.72	10.08	2941.78	1489.59	10.08	16.41	30.25	1489.59
7	381.07	3.41	0.00	128.95	13.06	2935.51	1601.16	13.06	14.87	33.05	1601.16
8	381.08	3.47	0.00	115.35	15.06	2932.13	1643.26	15.06	13.54	33.81	1643.26
9	381.09	3.56	0.00	100.53	17.03	2929.18	1718.21	17.03	12.10	32.66	1718.21
10	381.09	3.62	0.00	72.57	20.09	2926.14	1770.71	20.09	9.36	28.93	1770.71
11	381.08	3.69	0.00	16.65	24.65	2920.83	1828.36	24.65	3.87	14.20	1828.36



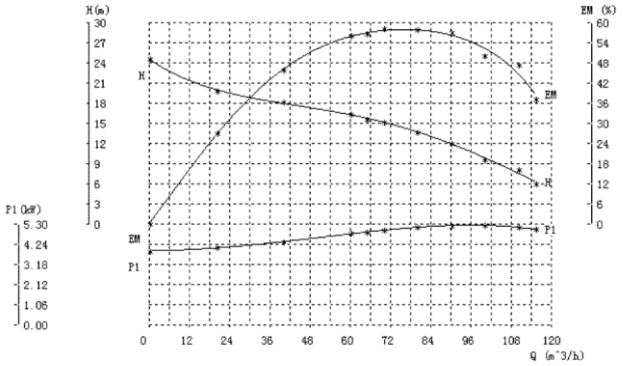
	Pump model: 80WQ45-9-2.2T										
	(V)	(A)	(kPa)	(kPa)	(m^3/h)	(r/min)	(W)	(m^3/h)	(m)	(%)	(W)
1	380.85	4.31	0.00	143.40	0.00	2920.18	2205.18	0.00	16.17	0.00	2205.18
2	380.89	4.44	0.00	130.14	10.05	2915.77	2301.31	10.05	14.84	17.65	2301.31
3	380.87	4.62	0.00	117.08	20.06	2909.05	2435.15	20.06	13.55	30.41	2435.15
4	380.85	4.87	0.00	104.32	30.03	2902.13	2621.52	30.03	12.33	38.47	2621.52
5	380.83	5.17	0.00	91.09	40.15	2891.00	2830.37	40.15	11.09	42.85	2830.37
6	380.85	5.28	0.00	83.32	45.00	2886.82	2909.63	45.00	10.36	43.65	2909.63
7	380.84	5.38	0.00	77.37	50.24	2883.68	2980.61	50.24	9.83	45.15	2980.61
8	380.83	5.52	0.00	56.77	60.06	2878.29	3077.59	60.06	7.90	42.00	3077.59
9	380.82	5.70	0.00	26.79	70.03	2871.55	3208.80	70.03	5.05	29.99	3208.80
10	380.83	5.58	0.00	22.63	71.22	2872.94	3128.02	71.22	4.65	28.82	3128.02



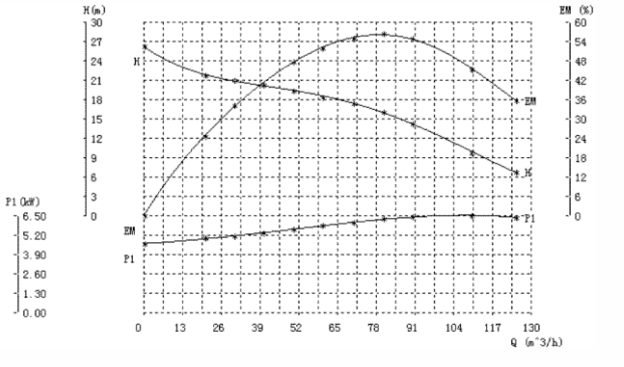
	Pump model : 80WQ40-16-4T										
	(V)	(A)	(kPa)	(kPa)	(m^3/h)	(r/min)	(W)	(m^3/h)	(m)	(%)	(W)
1	381.14	6.77	0.00	198.16	0.00	2901.18	3548.24	0.00	21.76	0.00	3548.24
2	381.14	6.65	0.00	183.69	10.22	2902.22	3459.83	10.22	20.30	16.33	3459.83
3	381.14	6.79	0.00	170.98	20.01	2899.23	3565.55	20.01	19.05	29.12	3565.55
4	381.12	6.94	0.00	154.49	30.06	2895.78	3680.01	30.06	17.44	38.82	3680.01
5	381.14	6.95	0.00	131.38	40.02	2894.25	3690.01	40.02	15.20	44.90	3690.01
6	381.14	6.96	0.00	102.29	50.03	2894.74	3690.78	50.03	12.37	45.68	3690.78
7	381.12	6.99	0.00	75.43	60.01	2892.77	3716.57	60.01	9.80	43.11	3716.57
8	381.12	7.07	0.00	23.73	73.15	2889.15	3777.23	73.15	4.80	25.34	3777.23



	PUMP MODEL : 100WQ65-15-5.5T							MOTOR :5.5 KW 2900 RPM			
	(V)	(A)	(kPa)	(kPa)	(m^3/h)	(r/min)	(W)	(m^3/h)	(m)	(%)	(W)
1	380.80	7.51	0.00	224.73	0.00	2954.11	3861.07	0.00	24.47	0.00	3861.07
2	380.78	7.77	0.00	178.29	20.25	2951.50	4053.64	20.25	19.76	26.89	4053.64
3	380.78	8.11	0.00	161.04	40.06	2948.41	4308.36	40.06	18.07	45.78	4308.36
4	380.78	8.77	0.00	142.73	60.27	2944.09	4788.80	60.27	16.34	56.01	4788.80
5	380.76	8.90	0.00	134.27	65.03	2940.12	4871.13	65.03	15.51	56.41	4871.13
6	380.76	9.04	0.00	129.59	70.11	2939.30	4968.38	70.11	15.08	57.96	4968.38
7	380.74	9.24	0.00	113.53	80.05	2936.86	5108.90	80.05	13.54	57.77	5108.90
8	380.75	9.33	0.00	97.04	90.13	2935.96	5168.59	90.13	11.96	56.83	5168.59
9	380.76	9.41	0.00	72.40	100.13	2934.69	5235.51	100.13	9.57	49.87	5235.51
10	380.76	9.22	0.00	56.08	110.14	2935.45	5107.61	110.14	8.04	47.24	5107.61
11	380.77	9.06	0.00	34.30	115.36	2936.50	4996.99	115.36	5.90	37.08	4996.99



	PUMP MODEL : 100WQ80-15-7.5T							MOTOR :7.5 KW 2900 RPM			
	(V)	(A)	(kPa)	(kPa)	(m^3/h)	(r/min)	(W)	(m^3/h)	(m)	(%)	(W)
1	380.81	8.64	0.00	240.97	0.00	2969.27	4590.49	0.00	26.12	0.00	4590.49
2	380.79	9.16	0.00	196.77	20.66	2966.48	4971.10	20.66	21.64	24.50	4971.10
3	380.79	9.33	0.00	189.87	30.31	2965.46	5104.05	30.31	20.97	33.92	5104.05
4	380.76	9.61	0.00	181.84	40.08	2963.13	5302.28	40.08	20.19	41.58	5302.28
5	380.77	9.96	0.00	172.54	50.09	2961.89	5554.71	50.09	19.30	47.42	5554.71
6	380.76	10.30	0.00	161.97	60.12	2959.04	5802.90	60.12	18.30	51.64	5802.90
7	380.74	10.64	0.00	151.43	70.27	2958.06	6039.34	70.27	17.31	54.85	6039.34
8	380.74	10.93	0.00	138.05	80.40	2956.11	6244.48	80.40	16.04	56.26	6244.48
9	380.75	11.13	0.00	119.45	90.11	2953.92	6383.71	90.11	14.25	54.79	6383.71
10	380.73	11.25	0.00	72.83	110.10	2952.19	6470.42	110.10	9.75	45.19	6470.42
11	380.72	11.08	0.00	40.16	124.96	2952.69	6357.84	124.96	6.64	35.55	6357.84





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