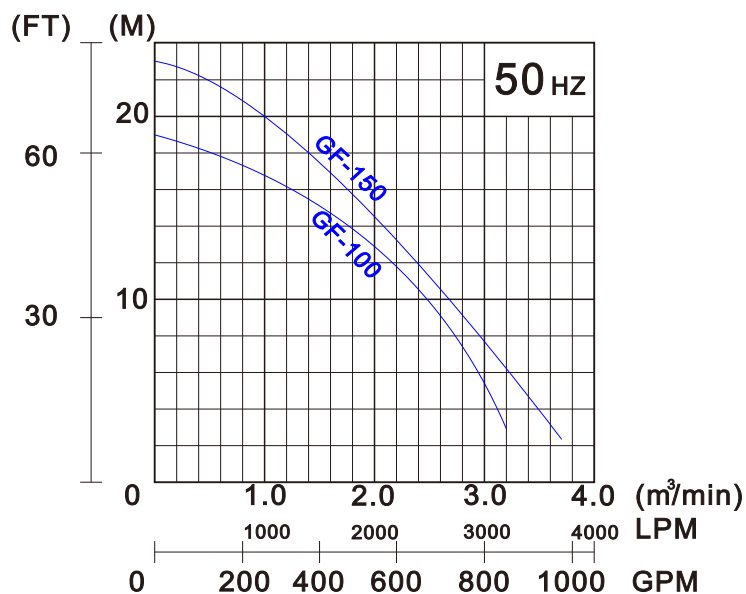
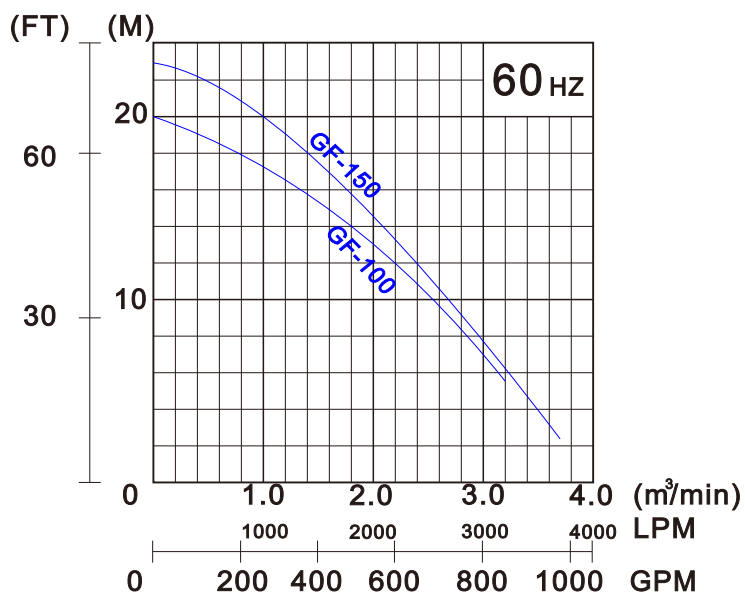


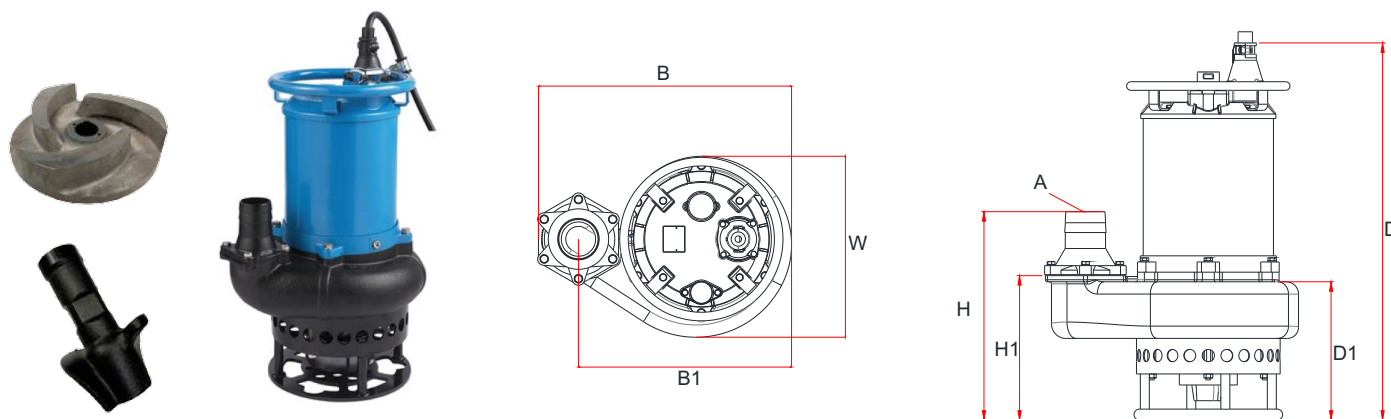
Performance Curve



Specification

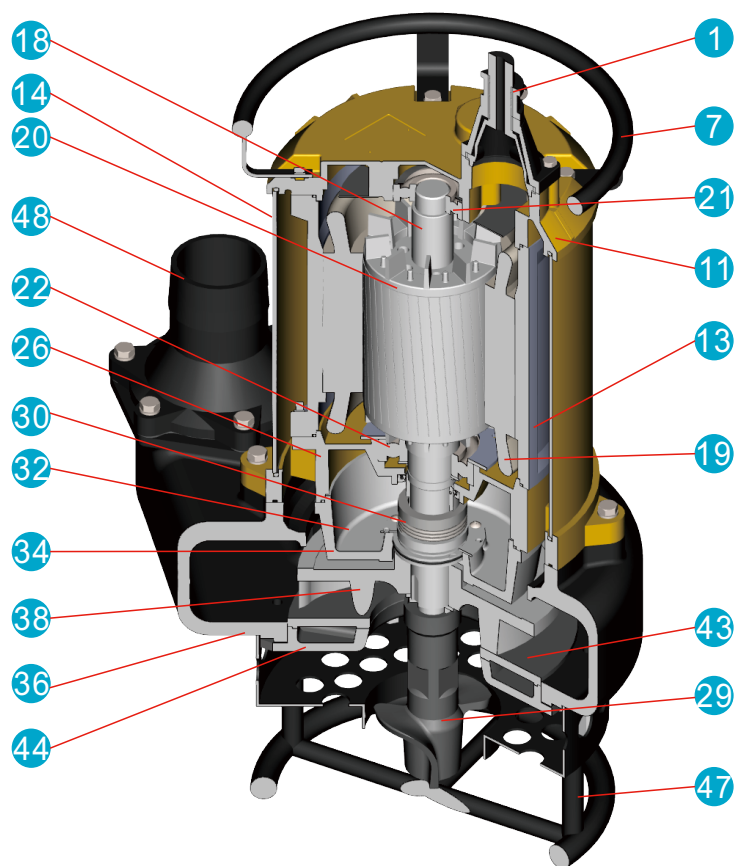
Model	Phase	Output Voltage	Rated Output		Outlet		Pole	Rated Head		Pass Solid	Weight
			HP	kW	Inch	mm		M	m³/min		
GF-100	3	220V~525V	15	11	4"	100	4P	15	1.6	30	218
GF-150	3	220V~525V	20	15	4"	100	4P	20	1.0	30	238

Dimension



Model	A	B	B1	D	D1	H	H1	W
GF-100	100	620	522	906	321	492	336	443
GF-150	100	620	522	935	321	490	336	443

Sectional Drawing

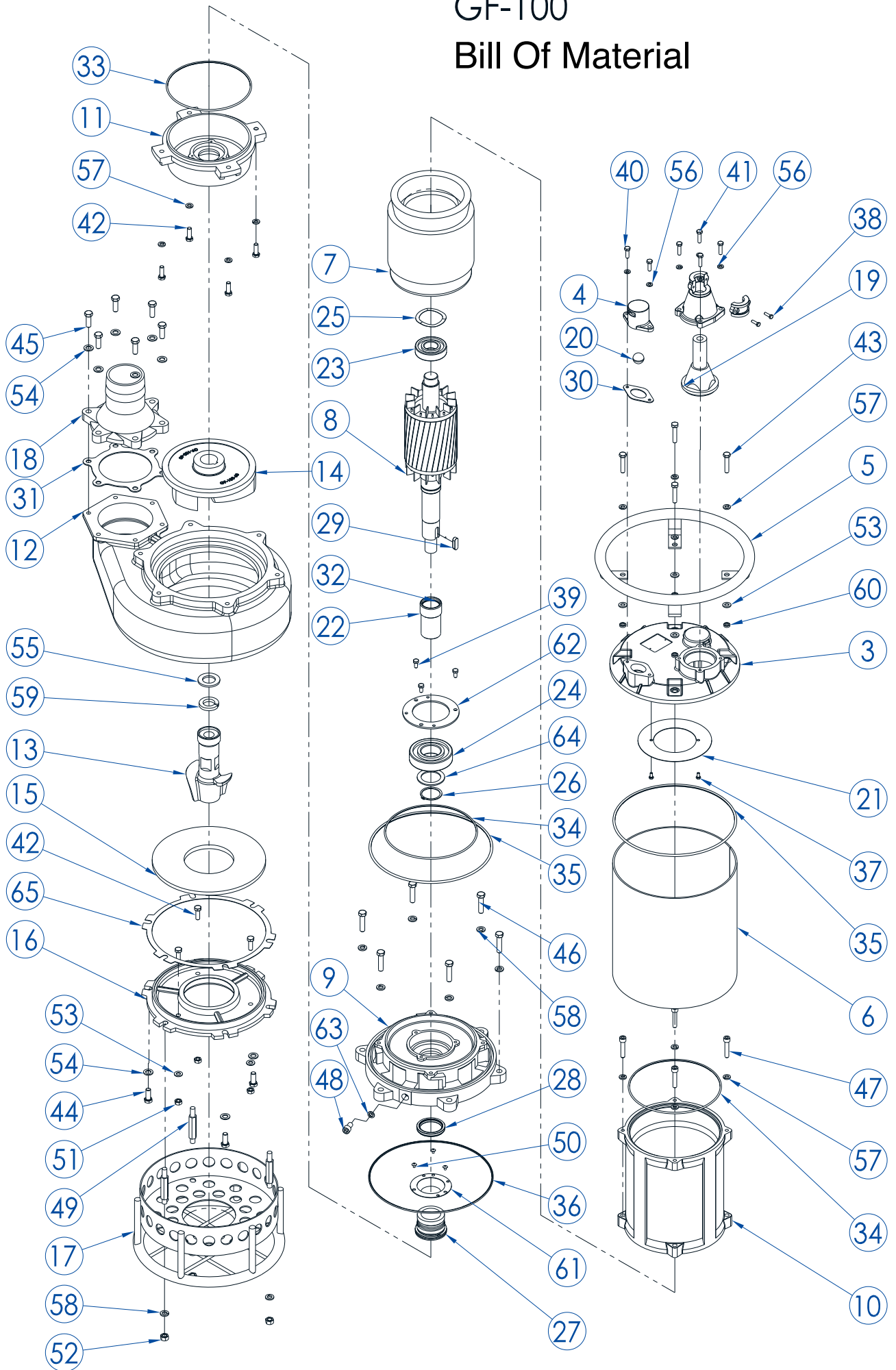


Material List

No.	Item	Material	No.	Item	Material	No.	Item	Material
1	Cable Base	FC200	20	Rotor Shaft	—	34	Shaft Seal Cover	FC200
7	Handle	SS400	21	Bearing	Japan NTN	36	Pump Casing	FCD500
11	Top Cover	FC200	22	Bearing	Japan NTN	38	Impeller	HCR
13	Motor Casing	FC200	26	Bearing Housing	FC200	43	Wear Plate	HCR
14	Cooling Jacket	SS400	29	Agitator	HCR	44	Water Deflector	FC200
18	Motor Shaft	SUS420	30	Mech Seal	Silicon Car-bide	47	Strainer Base	SS400
19	Stator Coil	F Pole	32	Lubricant Oil	U.S.A 3S#46	48	Discharge Pipe	FC200

GF-100

Bill Of Material



GF-100 Bill Of Material				
Number	Part Number	Item	Description	Qty
1	1-031	Cable Base (A)	SA-411	1
2	1-032	Cable Base (B)	SA-411	1
3	3-08	Top Cover	O331×48	1
4	5-01	Pressure Relief Pipe	SA-411	1
5	6-06	Handle	SA-411	1
6	7-05	Cooling Jacket	4t×983.22×343.5	1
7	9-24	Stator Coil	220×135×155	1
8	10-38	Rotor Shaft	220×135×155×42Hole×544L	1
9	12-09	Bearing Housing	GF-100	1
10	19-08	Motor Outer Case	O241×295	1
11	25-06	Shaft Seal Cover	GF-100	1
12	28-10	Pump Casing	GF-100	1
13	29-06	Agitator	30mm	1
14	31-6343	Impeller 50 Hz	50 Hz	1
15	35-325	Wear Plate	O220×12	1
16	38-143	Water Deflector Plate	GF-100	1
17	43-325	Strainer Base	10t×325×114	1
18	45-03	Discharge Pipe	4"(6Hole)	1
19	202-011	Cable Gland	150-16mm (Big)	1
20	203-001	Relief Valve Ball	O28×8.5	1
21	205-001	Upper Cover Insulation Plate	1.2t×Inner 109×O120×O188	1
22	208-014	Shaft Sleeve	O45×50×55×96L	1
23	209-6307	Ball Bearing	6307	1
24	209-6310C3	Ball Bearing	6310C3	1
25	214-6307	Wave Washer	6307	1
26	215-50	Retaining Ring	S-50	1
27	217-014	Mechanical Seal	T305ED-50TSN+SET NBR.SILICON	1
28	219-014	Oil Seal	55×72×9TC	1
29	220-019	Key	12x8x35 (Dual)	1
30	226-002	Packing	48×100×2	1
31	226-017	Packing	170m/m(6 H ole)	1
32	227-004	O Ring	45×2.62	1
33	227-031	O Ring	210×4	1
34	227-033	O Ring	230×4	2
35	227-058	O Ring	304.4×5.7	2
36	227-062	O Ring	310×4	1
37	228-001	Hex Bolt	M6x12	2
38	228-004	Hex Bolt	M6x20	2
39	228-007	Hex Bolt	M8x16	3
40	228-011	Hex Bolt	M8x25	2
41	228-012	Hex Bolt	M8x30	4
42	228-019	Hex Bolt	M10x30	7
43	228-024	Hex Bolt	M10x50	4
44	228-034	Hex Bolt	M12x30	3
45	228-035	Hex Bolt	M12x35	6
46	228-041	Hex Bolt	M12x50	6
47	229-006	Socket Head Cap Screw	M10 x 50	4
48	229-010	Socket Head Cap Screw	M12 x 20	1
49	230-007	Stud Bolt	M12×107×16'S×25'S	3
50	231-004	Phillips Screw	M5 x 8	3
51	234-003	Hex Nut	M10	3
52	234-004	Hex Nut	M12	3
53	236-008	Flat Washer	M10	7
54	236-009	Flat Washer	M12	9
55	236-020	Flat Washer	M30	1
56	237-002	Spring Washer	M8	6
57	237-004	Spring Washer	M10	12
58	237-006	Spring Washer	M12	9
59	237-017	Spring Washer	M30	1
60	2001-01	Cable Grommet	9×16×4	4
61	2101-02	Shaft Seal Retaining Plate	6307	1
62	2101-06	Bearing Retaining Plate6310	6310(4t×O94.5×O126×O144)	1
63	2200-01	Oil Plug Gasket	2t×11×18	1
64	2202-01	Lower Bearing Shim	3t×O50.2×O70	1
65	2208-08	Suction Cover Gasket	1.0t×344×290×6 Hole×O15	1

HUNG PUMP INDUSTRIAL.CO.LTD.

HUNG PUMP INDUSTRIAL.CO.LTD.

PUMP			
Customer			
Model	GF-100		
Outlet ID	4"	Inlet ID	0"
Head	15 M	Capacity	1600 L/min
liquid	water	Viscosity	1
Temper.	30.4 °C	Eff.	62 %
Order No.		Impeller	
Serial No.	160901		

MOTOR			
Maker			
Model	FC20		
Rating	11 kW	Freq.	50 HZ
Voltage	380 V	Current	23.83 A
Phase	3	Pole	4 P
Ins. Class	F	IP	68
Speed	1371 rpm	Eff.	82.82 %
Serial No.	160901		

Result

	PUMP								MOTOR					
	Capacity	Total H	Pressure	Vacuum	Velocity H	Difference H	Output	P.Eff.	Voltage	Current	Input	Output	Eff.	P.F.
	L/min	M	Kg/cm2	M	M	M	WHP	%	Volts	Amp.	kW	BHP	%	%
1	169.0	20.90	2.020	0.00	0.01	0.700	0.77	10.32	387.05	14.98	6.750	7.49	80.58	77.74
2	333.0	20.62	1.990	0.00	0.02	0.700	1.50	20.61	383.49	14.92	6.570	7.29	80.58	79.96
3	364.0	20.62	1.990	0.00	0.03	0.700	1.64	21.49	386.45	15.17	6.889	7.65	80.58	80.44
4	402.0	20.53	1.980	0.00	0.03	0.700	1.81	23.71	383.84	15.15	6.865	7.62	80.58	81.48
5	460.0	20.44	1.970	0.00	0.05	0.700	2.06	24.68	381.03	15.86	7.515	8.34	80.58	81.78
6	529.0	20.26	1.950	0.00	0.06	0.700	2.35	29.42	386.58	15.86	7.187	7.98	80.58	82.26
7	592.0	20.07	1.930	0.00	0.08	0.700	2.60	30.20	386.17	15.97	7.760	8.62	80.58	83.72
8	666.0	20.09	1.930	0.00	0.10	0.700	2.93	34.39	382.46	16.11	7.676	7.65	80.58	83.69
9	751.0	19.92	1.910	0.00	0.12	0.700	3.28	37.73	385.37	16.37	7.821	7.97	80.58	83.92
10	836.0	19.85	1.900	0.00	0.15	0.700	3.63	41.41	386.33	16.55	7.906	8.23	80.58	84.22
11	952.0	19.49	1.860	0.00	0.20	0.700	4.06	44.35	386.56	16.87	8.253	8.70	80.58	86.20
12	1069.0	19.34	1.840	0.00	0.25	0.700	4.53	48.15	384.67	17.10	8.470	8.87	80.58	84.32
13	1196.0	19.20	1.820	0.00	0.31	0.700	5.03	51.03	383.44	17.63	8.877	9.36	80.58	86.09
14	1320.0	18.87	1.780	0.00	0.38	0.700	5.46	53.67	385.49	18.11	9.155	9.60	80.58	86.02
15	1437.0	18.54	1.740	0.00	0.45	0.700	5.84	55.64	385.36	18.47	9.446	9.86	80.58	87.29
16	1583.0	18.04	1.680	0.00	0.54	0.700	6.25	57.43	382.73	19.02	9.810	10.07	80.58	86.30
17	1731.0	17.34	1.600	0.00	0.65	0.700	6.57	59.21	385.48	19.10	10.001	10.19	80.58	86.86
18	1880.0	16.86	1.540	0.00	0.76	0.700	6.94	62.08	383.09	19.33	10.073	10.30	80.58	86.27
19	2035.0	16.19	1.460	0.00	0.89	0.700	7.22	62.94	382.97	19.80	10.327	10.28	80.58	86.35
20	2192.0	15.53	1.380	0.00	1.04	0.700	7.46	63.65	385.70	19.81	10.552	10.46	80.58	87.93
21	2364.0	14.70	1.280	0.00	1.20	0.700	7.61	64.09	385.45	20.36	10.697	10.37	80.58	87.19
22	2521.0	13.97	1.190	0.00	1.37	0.700	7.71	64.19	384.00	20.52	10.824	10.21	80.58	86.82
23	2656.0	13.12	1.090	0.00	1.52	0.700	7.63	63.41	384.95	20.60	10.841	10.27	80.58	87.02
24	2804.0	12.39	1.000	0.00	1.70	0.700	7.61	60.99	385.85	21.13	11.238	10.29	80.58	86.36
25	2930.0	11.55	0.900	0.00	1.85	0.700	7.41	58.84	383.51	21.08	11.346	10.11	80.58	86.63
26	3069.0	10.83	0.810	0.00	2.03	0.700	7.28	57.20	382.53	21.27	11.463	10.10	80.58	86.38
27	3181.0	9.88	0.700	0.00	2.18	0.700	6.88	54.18	382.35	21.19	11.445	9.94	80.58	86.57
28	3314.0	8.97	0.590	0.00	2.37	0.700	6.51	50.95	385.57	21.32	11.508	10.03	80.58	86.51
29	3447.0	8.06	0.480	0.00	2.56	0.700	6.09	47.53	385.70	21.31	11.532	9.92	80.58	85.54
30	3529.0	7.39	0.400	0.00	2.69	0.700	5.71	44.43	385.77	21.34	11.571	10.04	80.58	86.44

Approved by:

Reviewed by:

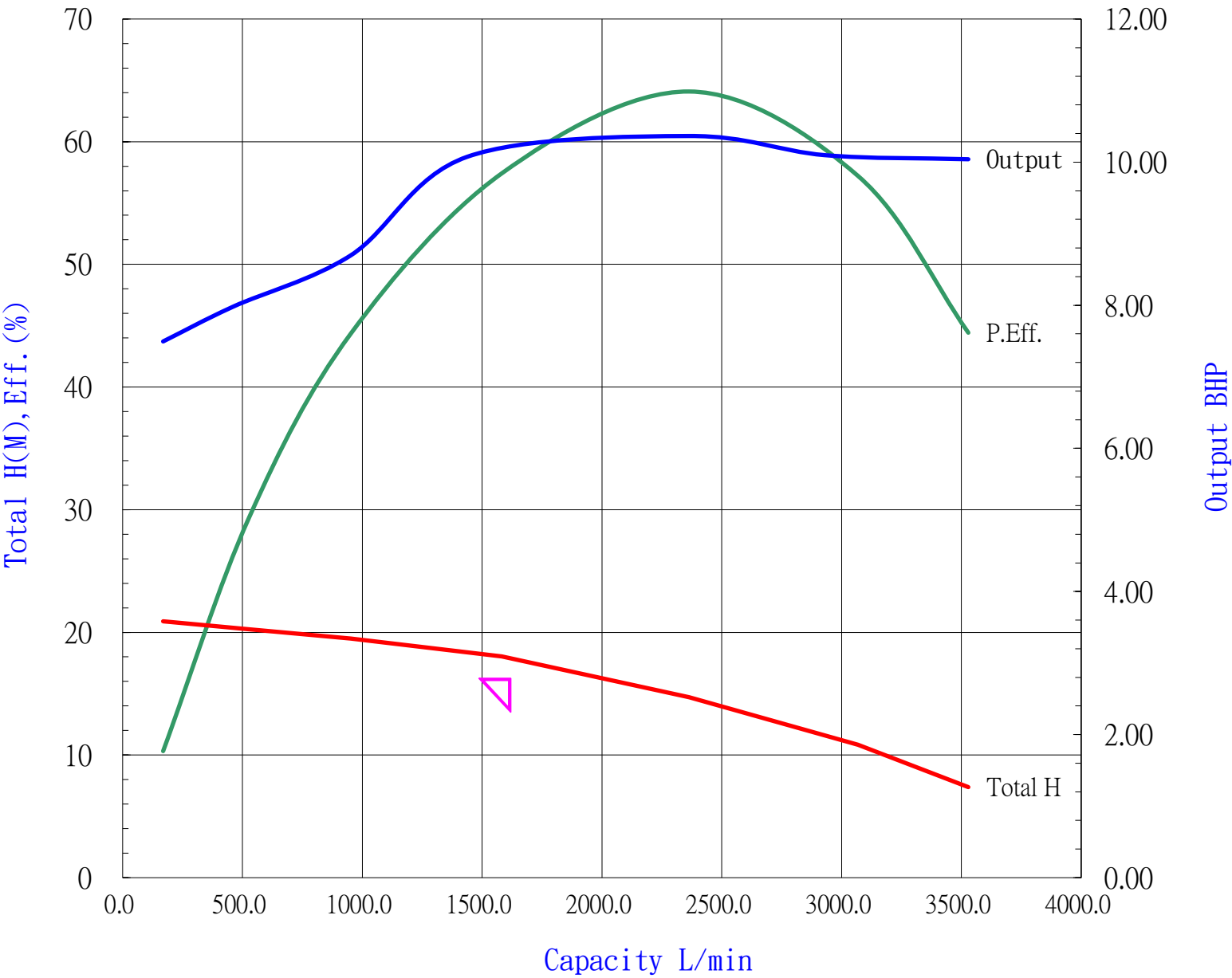
Tested by:

HUNG PUMP INDUSTRIAL.CO.LTD.

PUMP			
Customer	0		
Model	GF-100		
Outlet ID	4"	Inlet ID	0"
Head	15 M	Capacity	1600 L/min
liquid	water	Viscosity	1
Temper.	30.4 °C	Eff.	62 %
Order No.	0	Impeller	0
Serial No.	160901		

MOTOR			
Maker			
Model	FC20		
Rating	11 kW	Freq.	50 HZ
Voltage	380 V	Current	23.83 A
Phase	3	Pole	4 P
Ins. Class	F	IP	68
Speed	1371 rpm	Eff.	82.82 %
Serial No.	160901		

Performance Curve



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