



HAYWARD®

Variable Speed Swimming Pool Heat Pump

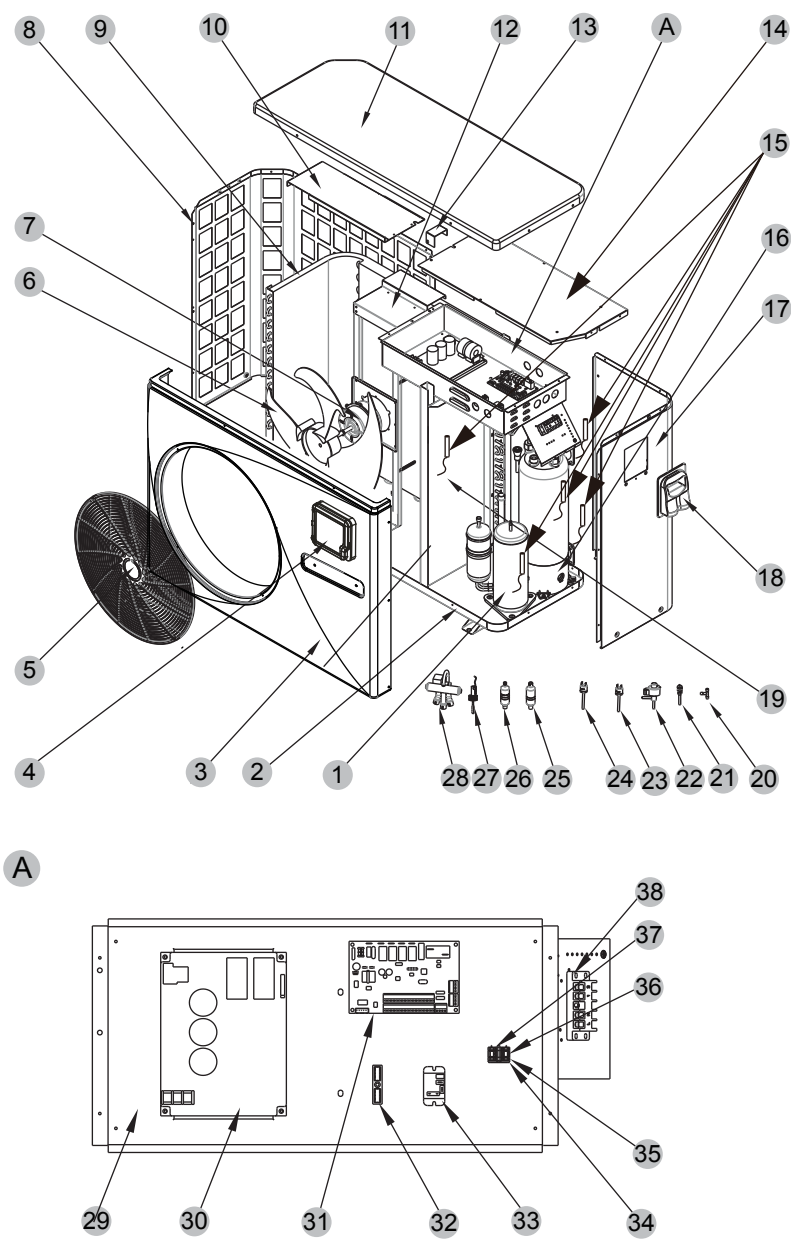
Installation & Instruction Manual

Models	HP50AEE
	HP70AEE



6.APPENDIX

6.3 Exploded View - HP50AEE
(1) Complete machine structure explosion diagram



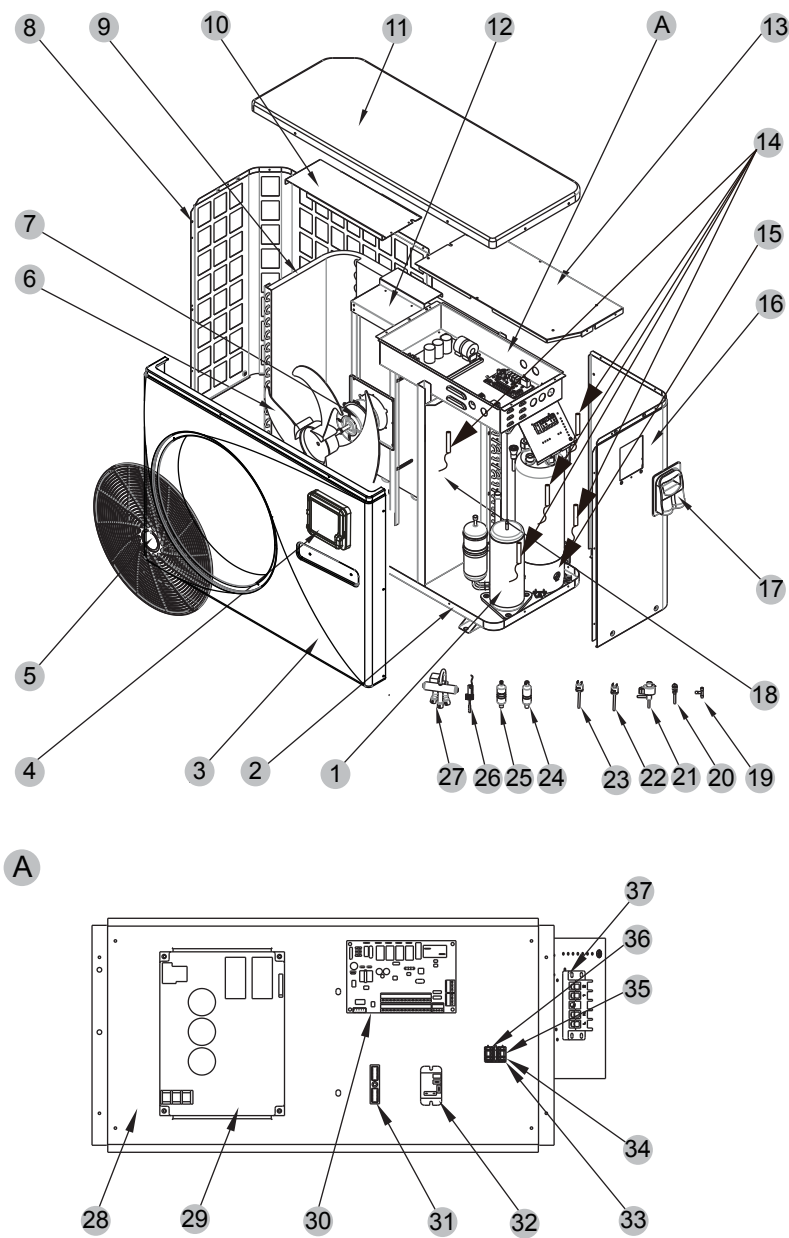
6.APPENDIX

(3) Spare Parts List

No.	Code	Name	Specifications	Qty
1	20000-110436	Compressor	5RD160ZAA21	1
2	301070-20120022	Chassis assembly	Galvanized sheet	1
3	301090-20120001	Front frame	ABS	1
4	72200359	CP203	82300038+82400327	1
5	20000-220369	Fan net	ABS	1
6	20000-270004	Axial fan blade	Z500-145	1
7	20000-330132	DC	ZWS75-A	1
8	301070-20080006	Left side panel	Galvanized sheet	1
9	32012-120166	Finned heat exchanger	680×290×700×Φ7×1.5 2.0	1
10	32012-210493	Support plate	Galvanized sheet	1
11	32012-210489	Top cover	ABS	5
12	32012-210570	Motor bracket assembly	Galvanized sheet	1
13	32008-210167	Condenser splint	Galvanized sheet	1
14	32012-210494	Electrical box cover	Galvanized sheet	1
15	2000-3242	Sensor	150-502-98674(5K) 800mm	5
16	301060-20120002	Titanium tube heat exchanger	Φ9.52×9m Φ110	1
17	301070-20120021	Right side panel	Galvanized sheet	1
18	32009-220029	Junction box body	ABS	1
19	32012-210796	Middle baffle	Galvanized sheet	1
20	2000-1460	Three links	Φ6.5-2×Φ6.5(T)×0.75 T2M	2
21	20000-140150	Needle valve	40mm 1/2" T0305-10	2
22	20000-140449	Electronic expansion valve	DPF(TS1)1.8C-03	1
23	20000-360157	Low pressure switch	0.30MPa/0.15MPa ±0.05 normally open	1
24	2001-3605	High pressure switch	3.2MPa/4.4MPa ±0.15 normally closed	1
25	2004-1444	Filter	Φ9.7-Φ9.7(Φ28) T2Y2	1
26	20000-140618	Filter	Φ9.7-Φ6.5(Φ28) T2Y2	1
27	20000-360005	Flow switch	PSL-1 3/4	1
28	20000-140484	Four-way valve	DSF-9-R410A	1
29	80701652	Electrical box assembly	Galvanized sheet	1
30	20000-310170	Variable frequency drive	SA.FNB75GW.1	1
31	220130-00000016	PC1004	20000-430227+35005-310569	1
32	2000-3909	2-position terminal block	RS9211(450V~4MM2)	1
33	20000-360297	Relay	HATF903AS30AC220 AC220V 30A	1
34	20000-390047	Terminal block	D-MSB 1.5-F	1
35	20000-390046	Terminals	MSB 2.5-M	1
36	20000-390048	Terminals	MSDB 2.5-M	1
37	20000-390049	Terminals	MSB 2.5-F	1
38	20000-390231	5-position terminal block	UTD-32/5P(L1、L2、PE、1、2)	1

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6.3 Exploded View - HP70AEE
(1) Complete machine structure explosion diagram



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(3) Spare Parts List

No.	Code	Name	Specifications	Qty
1	20000-110217	Compressor	TNB220	1
2	80701594	Chassis assembly	Galvanized sheet	1
3	301090-00000004	Front frame	ABS	1
4	72200359	CP203	82300038+82400327	1
5	20000-220369	Fan net	ABS	1
6	20000-270004	Axial fan blade	Z500-145	1
7	20000-330132	DC	ZWS75-A	1
8	80701595	Left side panel	Galvanized sheet	1
9	301060-20180001	Finned heat exchanger	714×353×800×Φ7×2	1
10	32009-210663	Support plate	Galvanized sheet	1
11	32009-220111	Top cover	ABS	1
12	32009-210662	Motor bracket assembly	Galvanized sheet	1
13	32009-210658	Electrical box cover	Galvanized sheet	1
14	2000-3242	Sensor	150-502-98674(5K) 800mm	5
15	80600265	Titanium tube heat exchanger	Φ12.7×7m+Φ9.52×5m Φ160	1
16	80701596	Right side panel	Galvanized sheet	1
17	32009-220029	Junction box body	ABS	1
18	32009-210664	Middle baffle	Galvanized sheet	1
19	2000-1460	Three links	Φ6.5-2×Φ6.5(T)×0.75 T2M	1
20	20000-140150	Needle valve	40mm 1/2" T0305-10	1
21	20000-140485	Electronic expansion valve	DSF-11E-R410A	1
22	20000-360157	Low pressure switch	0.30MPa/0.15MPa ±0.05	1
23	2001-3605	High pressure switch	3.2MPa/4.4MPa ±0.15	1
24	2004-1444	Filter	Φ9.7-Φ9.7(Φ28) T2Y2	1
25	20000-140618	Filter	Φ9.7-Φ6.5(Φ28) T2Y2	1
26	20000-360005	Flow switch	PSL-1 3/4	1
27	20000-140485	Four-way valve	DSF-11E-R410A	1
28	32009-210651	Electrical box assembly	Galvanized sheet	1
29	20000-310170	Variable frequency drive	SA.FNB75GW.1	1
30	220130-00000016	PC1004	20000-430227+35005-310569	1
31	2000-3909	2-position terminal block	RS9211(450V~ 4mm2)	1
32	20000-360297	Relay	HATF903AS30AC220 AC220V 30A	1
33	20000-390047	Terminal block	D-MSB 1.5-F	1
34	20000-390046	Terminals	MSB 2.5-M	1
35	20000-390048	Terminals	MSDB 2.5-M	1
36	20000-390049	Terminals	MSB 2.5-F	1
37	20000-390231	5-position terminal block	UTD-32/5P(L1、L2、PE、1、2)	1