

Specification

Model		KK0350VMH	KK0440VMH	KK0700VMH	
Combination	kW	A	B	2*A	
Cooling capacity	KW	350	440	700	
Total Power input	KW/kW	102	125	203	
EER		3.43	3.52	3.45	
Starting current(Compressor)	A	2	2	2	
Max. running current	A	250	280	500	
Max. power input	KW	148	166	296	
Power supply		3N/380V/50Hz			
Refrigerant throttle type		Electronic expansion valve			
Capacity control		5%~100%			
Safe protection		compressor overload protection, safe protection, low water flow protection, antifreezing protection, fan motor overload protection, lack of phase protection			
Compressor	Type	Magnetic bearing compressor			
	Quantity	1	1	2	
Refrigerant	Type	R134a			
	Charge	kg	220	255	440
Air side heat exchanger	Type	High efficiency copper tube+hydroponic aluminum foil			
	Fan typ	Axial fan with low noise			
	Fan quantity	6	8	12	
Water side heat exchanger	Type	Flood type			
	Rated water flow	m ³ /h	60	76	120
	Inlet/outlet pipe	DN	150	150	150
	Water dirt coefficient	m ² .°C/kW	0.0172		
	Standard pressure	MPa	1		
External dimension	Water side resistance	KPa	85	88	86
	Unit length	mm	4060	5260	7690
	Unit width	mm	2200	2200	2200
	Unit height	mm	2700	2700	2700
Weight	Net weight	kg	3400	3985	6840
	Gross weight	kg	3450	4050	6940
	Operation weight	kg	3500	4230	7080

Model		KK0880VMH	KK1050VMH		
Combination	kW	A+B	2*B	3*A	
Cooling capacity	KW	790	880	1050	
Total Power input	KW/kW	226	246.5	303	
EER		3.5	3.57	3.47	
Starting current(Compressor)	A	2	2	2	
Max. running current	A	530	560	750	
Max. power input	KW	314	332	444	
Power supply		3N/380V/50Hz			
Refrigerant throttle type		Electronic expansion valve			
Capacity control		5%~100%			
Safe protection		compressor overload protection, safe protection, low water flow protection, antifreezing protection, fan motor overload protection, lack of phase protection			
Compressor	Type	Magnetic bearing compressor			
	Quantity	2	2	3	
Refrigerant	Type	R134a			
	Charge	kg	475	510	660
Air side heat exchanger	Type	High efficiency copper tube+hydroponic aluminum foil			
	Fan typ	Axial fan with low noise			
	Fan quantity	14	16	18	
Water side heat exchanger	Type	Flood type			
	Rated water flow	m ³ /h	136	151	181
	Inlet/outlet pipe	DN	150	150	250
	Water dirt coefficient	m ² .°C/kW	0.0172		
	Standard pressure	MPa	1		
External dimension	Water side resistance	KPa	89	90	40
	Unit length	mm	8890	10090	11320
	Unit width	mm	2200	2200	2200
	Unit height	mm	2700	2700	2700
Weight	Net weight	kg	7425	8010	10280
	Gross weight	kg	7540	8140	10430
	Operation weight	kg	7810	8540	10660

Model		KK1140OVMH	KK1230OVMH	KK1320OVMH	
Combination	kW	2*A+B	A+2*B	3*B	
Cooling capacity	KW	1140	1230	1320	
Total Power input	KW/kW	325.5	348.5	364.6	
EER		3.5	3.53	3.62	
Starting current(Compressor)	A	2	2	2	
Max. running current	A	780	810	840	
Max. power input	KW	462	480	498	
Power supply		3N/380V/50Hz			
Refrigerant throttle type		Electronic expansion valve			
Capacity control		5%~100%			
Safe protection		compressor overload protection, safe protection, low water flow protection, antifreezing protection, fan motor overload protection, lack of phase protection			
Compressor	Type	Magnetic bearing compressor			
	Quantity	3	3	3	
Refrigerant	Type	R134a			
	Charge	kg	695	730	765
Air side heat exchanger	Type	High efficiency copper tube+hydroponic aluminum foil			
	Fan typ	Axial fan with low noise			
	Fan quantity	20	22	24	
Water side heat exchanger	Type	Flood type			
	Rated water flow	m³/h	196	212	227
	Inlet/outlet pipe	DN	250	250	250
	Water dirt coefficient	m².°C/kW	0.0172		
	Standard pressure	MPa	1		
External dimension	Water side resistance	KPa	42	43	45
	Unit length	mm	12520	13720	14920
Weight	Unit width	mm	2200	2200	2200
	Unit height	mm	2700	2700	2700
Weight	Net weight	kg	10865	11450	12035
	Gross weight	kg	11030	11630	12230
	Operation weight	kg	11390	12120	12850

Model		KK1670OVMH	KK1760OVMH	
Combination	kW	A+3*B	4*B	
Cooling capacity	KW	1670	1760	
Total Power input	KW/kW	462.6	482.2	
EER		3.61	3.65	
Starting current(Compressor)	A	2	2	
Max. running current	A	1090	1120	
Max. power input	KW	646	664	
Power supply		3N/380V/50Hz		
Refrigerant throttle type		Electronic expansion valve		
Capacity control		5%~100%		
Safe protection		compressor overload protection, safe protection, low water flow protection, antifreezing protection, fan motor overload protection, lack of phase protection		
Compressor	Type	Magnetic bearing compressor		
	Quantity	4	4	
Refrigerant	Type	R134a		
	Charge	kg	985	1020
Air side heat exchanger	Type	High efficiency copper tube+hydroponic aluminum foil		
	Fan typ	Axial fan with low noise		
	Fan quantity	30	32	
Water side heat exchanger	Type	Flood type		
	Rated water flow	m³/h	287	303
	Inlet/outlet pipe	DN	250	250
	Water dirt coefficient	m².°C/kW	0.0172	
	Standard pressure	MPa	1	
External dimension	Water side resistance	KPa	86	90
	Unit length	mm	18550	19750
Weight	Unit width	mm	2200	2200
	Unit height	mm	2700	2700
Weight	Net weight	kg	15555	16140
	Gross weight	kg	15800	16400
	Operation weight	kg	16490	17220

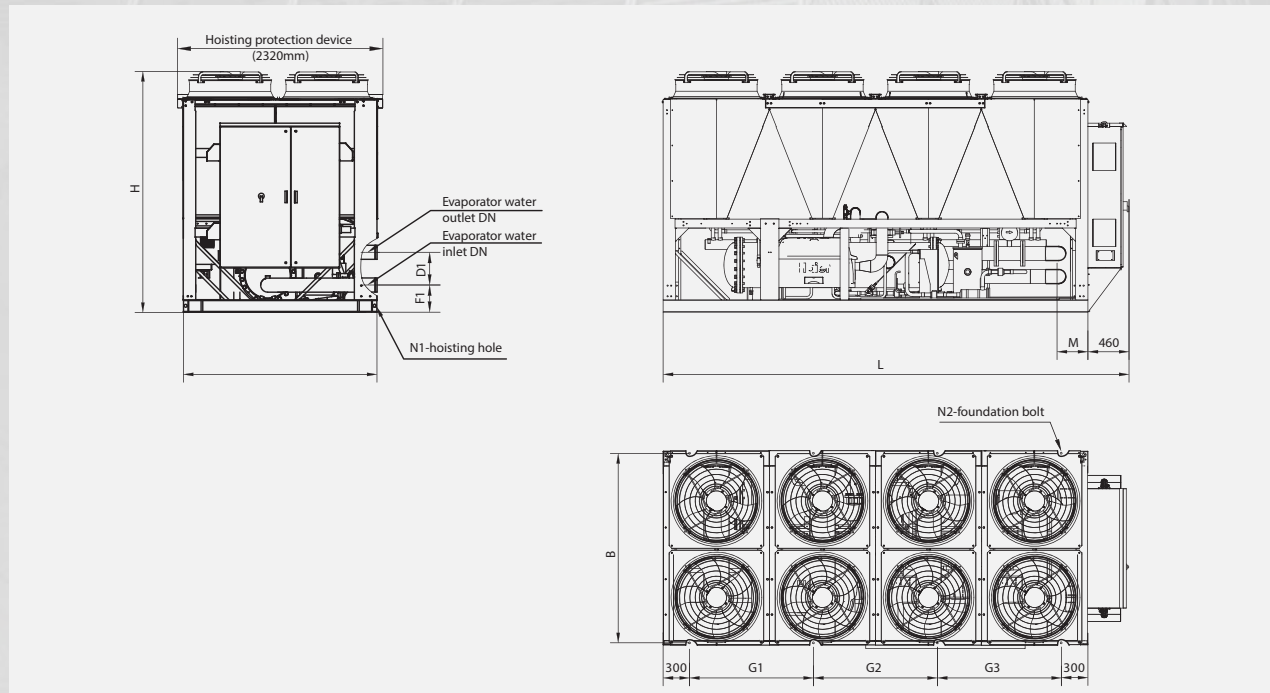
Note: 1.Above parameters are based on the standard products;
 2.Above products standard pressure is 1.0 Mpa,if pressure higher than 1.0Mpa,should contact with ODYNE® technology engineer;
 3.Operating ambient temperature range: 10~43°C;
 4.Except KK0350OVMH/ KK0440OVMH model,other models are combination ,also separately transport;
 5.Due to our policy of innovation some specifications maybe changed without notification;

Model		KK1400OVMH	KK1490OVMH	KK1580OVMH	
Combination	kW	4*A	3*A+B	2*A+2*B	
Cooling capacity	KW	1400	1490	1580	
Total Power input	KW/kW	400	423.8	445	
EER		3.5	3.52	3.55	
Starting current(Compressor)	A	2	2	2	
Max. running current	A	1000	1030	1060	
Max. power input	KW	592	610	628	
Power supply		3N/380V/50Hz			
Refrigerant throttle type		Electronic expansion valve			
Capacity control		5%~100%			
Safe protection		compressor overload protection, safe protection, low water flow protection, antifreezing protection, fan motor overload protection, lack of phase protection			
Compressor	Type	Magnetic bearing compressor			
	Quantity	4	4	4	
Refrigerant	Type	R134a			
	Charge	kg	880	915	950
Air side heat exchanger	Type	High efficiency copper tube+hydroponic aluminum foil			
	Fan typ	Axial fan with low noise			
	Fan quantity	24	26	28	
Water side heat exchanger	Type	Flood type			
	Rated water flow	m³/h	241	256	272
	Inlet/outlet pipe	DN	250	250	250
	Water dirt coefficient	m².°C/kW	0.0172		
	Standard pressure	MPa	1		
External dimension	Water side resistance	KPa	75	78	80
	Unit length	mm	14950	16150	17350
Weight	Unit width	mm	2200	2200	2200
	Unit height	mm	2700	2700	2700
Weight	Net weight	kg	13800	14385	14970
	Gross weight	kg	14000	14600	15200
	Operation weight	kg	14300	15030	15760

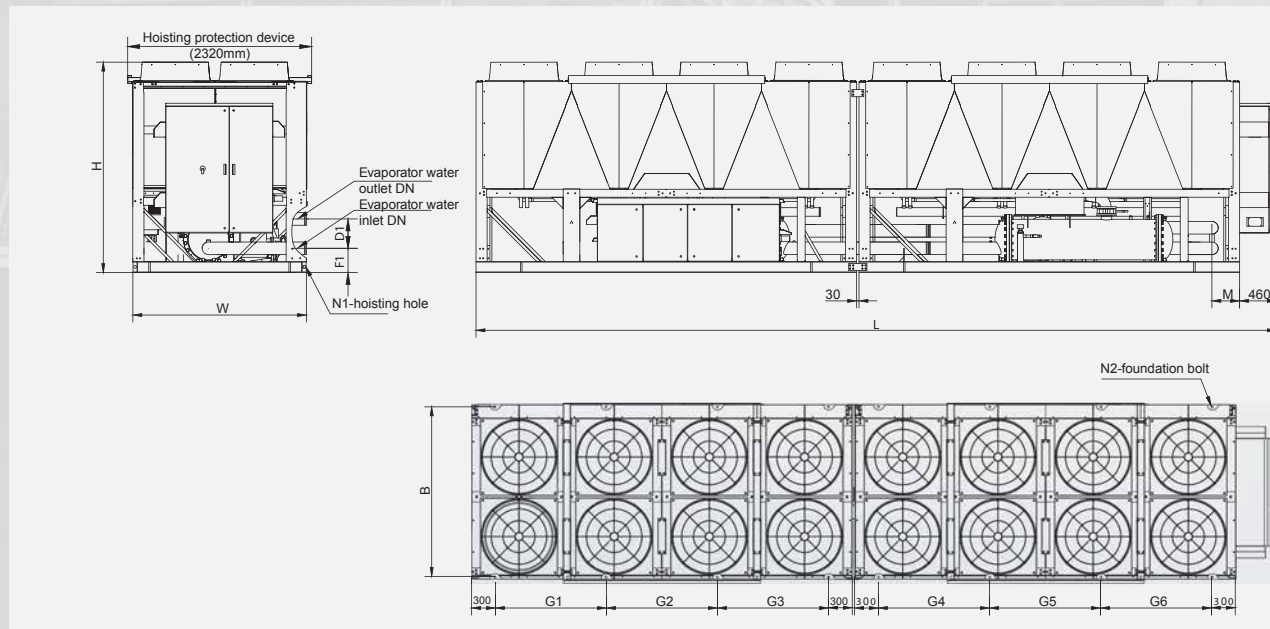
Note: 1.Above parameters are based on the standard products;
 2.Above products standard pressure is 1.0 Mpa,if pressure higher than 1.0Mpa,should contact with ODYNE® technology engineer;
 3.Operating ambient temperature range: 10~43°C;
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Unit Dimension Diagram

Air-Cooled Magnetic Bearing Centrifugal Chiller Dimension Diagram



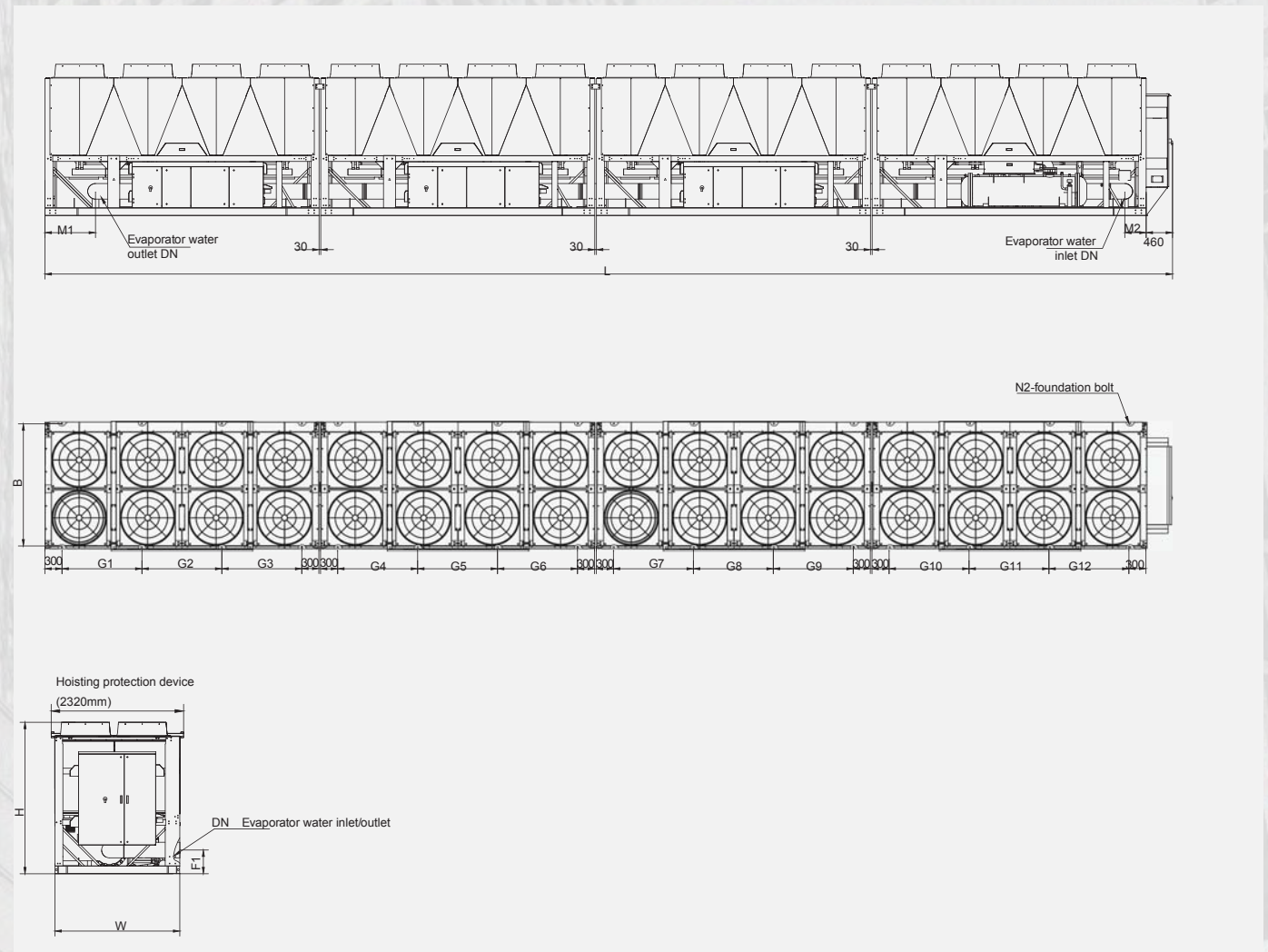
Model	Dimension mm			Installation dimension mm				Pipe connection dimension mm				Hoisting hole number	Foundation bolt number
	L	W	H	B	G1	G2	G3	D1	F1	M	DNe		
KK0350VMH	4060	2200	2700	2138	1500	1500	1500	260	380	340	DN150	4	6
KK0440VMH	5260	2200	2700	2138	1400	1400	1400	260	380	340	DN150	4	8



Model	Dimension mm			Installation dimension mm						Pipe connection dimension mm				Hoisting hole number	Foundation bolt number	
	L	W	H	B	G1	G2	G3	G4	G5	G6	D	F1	M			DN
KK0700VMH	7690	2200	2700	2138	1500	1500	1500	1500	1500	1500	260	304	350	DN150	8	12
KK0790VMH	8890	2200	2700	2138	1500	1500	1500	1400	1400	1400	260	304	350	DN150	8	14
KK0880VMH	10090	2200	2700	2138	1400	1400	1400	1400	1400	1400	260	304	350	DN150	8	16

Unit Dimension Diagram

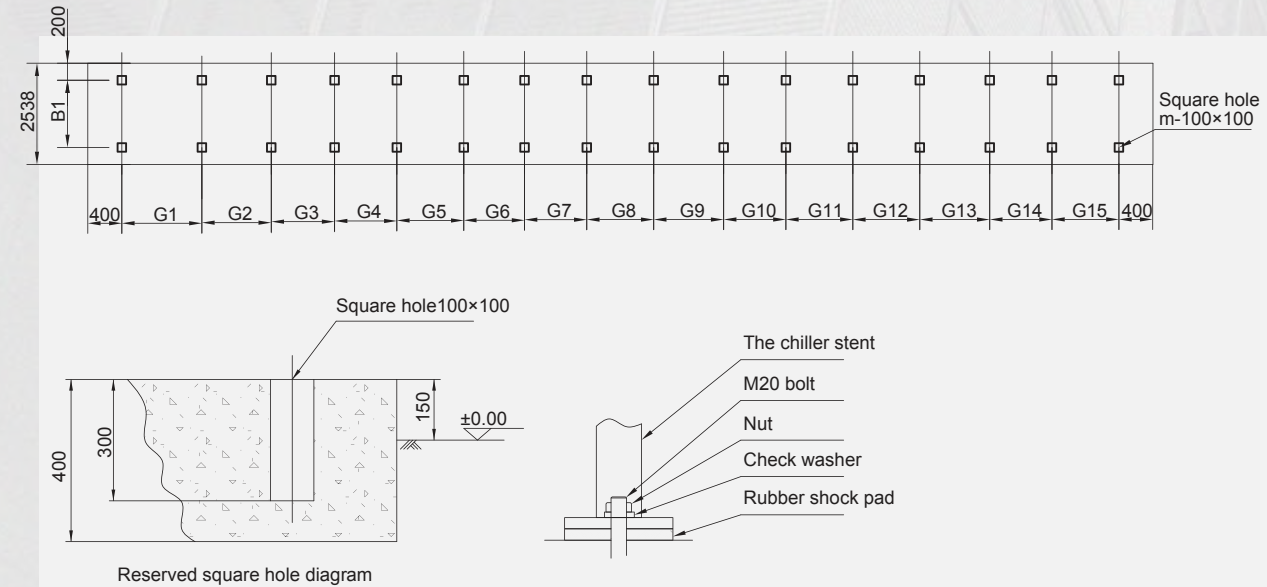
Air-Cooled Magnetic Bearing Centrifugal Chiller Dimension Diagram



Model	Dimension mm			Installation dimension mm												Pipe connection dimension mm				Hoisting hole number	Foundation bolt number	
	L	W	H	B	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	F1	M1	M2			DNe
KK1050VMH	11320	2200	2700	2138	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	426	885	375	DN250	12	18
KK1140VMH	12520	2200	2700	2138	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	426	885	375	DN250	12	20
KK1230VMH	13720	2200	2700	2138	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	426	885	375	DN250	12	22
KK1320VMH	14920	2200	2700	2138	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	426	885	375	DN250	12	24
KK1400VMH	14950	2200	2700	2138	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	426	885	375	DN250	16	24
KK1490VMH	16150	2200	2700	2138	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	426	885	375	DN250	16	26
KK1580VMH	17350	2200	2700	2138	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	426	885	375	DN250	16	28
KK1670VMH	18550	2200	2700	2138	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	426	885	375	DN250	16	30
KK1760VMH	19750	2200	2700	2138	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	426	885	375	DN250	16	32

The Unit Installation Foundation Drawing

Air-Cooled Magnetic Bearing Centrifugal Chiller Installed Base



Model	B1(mm)	G1(mm)	G2(mm)	G3(mm)	G4(mm)	G5(mm)	G6(mm)	G7(mm)	G8(mm)	G9(mm)	G10(mm)	G11(mm)	G12(mm)	G13(mm)	G14(mm)	G15(mm)	m
KK0350VMH	2138	1500	1500														6
KK0440VMH	2138	1400	1400	1400													8
KK0700VMH	2138	1500	1500	630	1500	1500											12
KK0790VMH	2138	1500	1500	630	1400	1400	1400										14
KK0880VMH	2138	1400	1400	1400	630	1400	1400	1400									16
KK1050VMH	2138	1500	1500	630	1500	1500	630	1500	1500								18
KK1140VMH	2138	1500	1500	630	1500	1500	630	1400	1400	1400							20
KK1230VMH	2138	1500	1500	630	1400	1400	1400	630	1400	1400	1400						22
KK1320VMH	2138	1400	1400	1400	630	1400	1400	1400	630	1400	1400	1400					24
KK1400VMH	2138	1500	1500	630	1500	1500	630	1500	1500	630	1500	1500					24
KK1490VMH	2138	1500	1500	630	1500	1500	630	1500	1500	630	1400	1400	1400				26
KK1580VMH	2138	1500	1500	630	1500	1500	630	1400	1400	1400	630	1400	1400	1400			28
KK1670VMH	2138	1500	1500	630	1400	1400	1400	630	1400	1400	1400	630	1400	1400	1400		30
KK1760VMH	2138	1400	1400	1400	630	1400	1400	1400	630	1400	1400	1400	630	1400	1400	1400	32

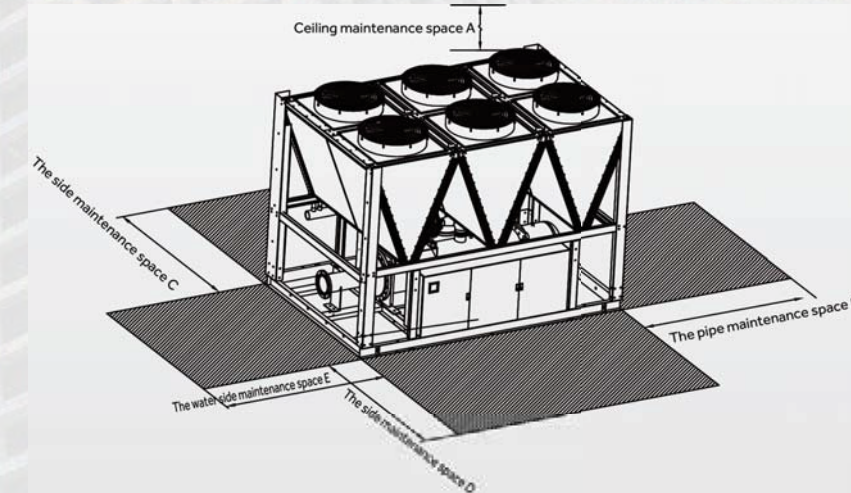
Installation Space Diagram

Air-Cooled Magnetic Bearing Centrifugal Chiller Installation Space Diagram

mm

Model	A	B	C	D	E
KK0350VMH~KK0350VMH	2000	2000	1500	2000	1500
KK0350VMH~KK0350VMH	3000	2000	1500	2000	1500

Note: above data is minimum dimension



Performance Table

Chilled water outlet temp.(°C)	Ambient temperature (°C)													
	14		18		23		26		30		35		38	
	Cooling capacity	Power input	Cooling capacity	Power input	Cooling capacity	Power input	Cooling capacity	Power input	Cooling capacity	Power input	Cooling capacity	Power input	Cooling capacity	Power input
5	0.91	0.55	0.96	0.68	1.01	0.82	1.00	0.87	0.96	0.93	0.93	1.02	0.92	1.03
7	0.91	0.52	0.99	0.67	1.06	0.84	1.05	0.90	1.03	1.05	1.00	1.00	1.00	1.05
9	0.92	0.48	1.01	0.63	1.08	0.83	1.08	0.90	1.10	1.01	1.04	1.05	1.01	1.05
10	0.91	0.45	1.02	0.61	1.10	0.83	1.10	0.90	1.13	1.03	1.06	1.06	1.03	1.06
11	0.90	0.42	1.03	0.59	1.13	0.83	1.13	0.91	1.16	1.05	1.07	1.06	1.05	1.06
12	0.88	0.40	1.04	0.57	1.14	0.83	1.16	0.91	1.19	1.05	1.11	1.06	1.07	1.06
13	0.87	0.38	1.05	0.55	1.16	0.82	1.18	0.91	1.22	1.06	1.15	1.06	1.09	1.06
15	0.87	0.33	1.03	0.52	1.19	0.80	1.23	1.01	1.26	1.07	1.19	1.06	1.14	1.06