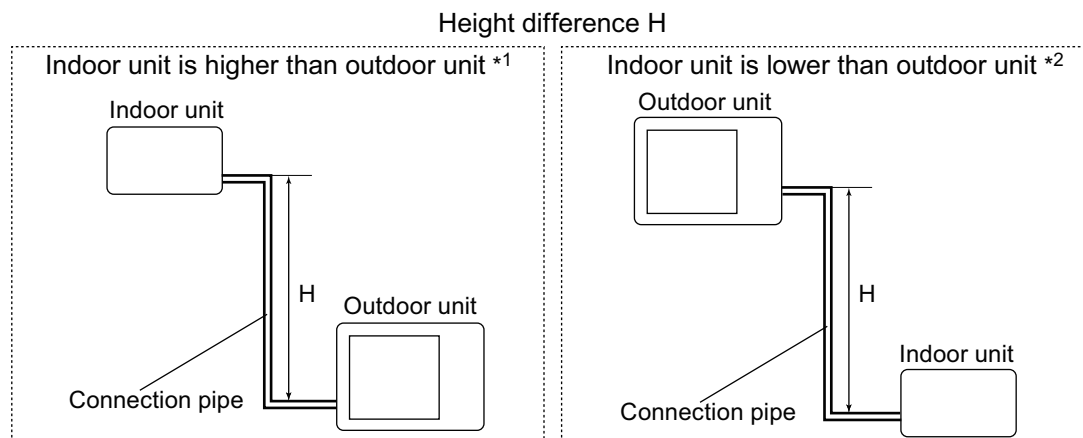


7. Capacity compensation rate for pipe length and height difference



OUTDOOR UNIT
AOYG14-18KBTA2

OUTDOOR UNIT
AOYG14-18KBTA2

7-1. Model: AOYG14KBTA2

NOTE: Values mentioned in the table are calculated based on the maximum capacity.

■ Indoor unit: 7,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.936	0.908
		10	—	—	0.969	0.943	0.915
		5	—	0.991	0.976	0.950	0.921
		2.5	0.993	0.993	0.978	0.952	0.923
	0	1.000	1.000	0.985	0.959	0.930	
Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.985	0.959	0.930	
	-5	—	1.000	0.985	0.959	0.930	
	-10	—	—	0.985	0.959	0.930	
	-15	—	—	—	0.959	0.930	

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.937	0.915
		10	—	—	0.956	0.937	0.915
		5	—	1.000	0.956	0.937	0.915
		2.5	0.990	1.000	0.956	0.937	0.915
	0	0.990	1.000	0.956	0.937	0.915	
Indoor unit is lower than outdoor unit *2	-2.5	0.986	0.996	0.952	0.933	0.911	
	-5	—	0.994	0.950	0.931	0.909	
	-10	—	—	0.946	0.928	0.906	
	-15	—	—	—	0.923	0.901	

Indoor unit: 9,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.924	0.891
		10	—	—	0.962	0.931	0.899
		5	—	0.991	0.968	0.938	0.905
		2.5	0.993	0.993	0.970	0.940	0.907
	Indoor unit is lower than outdoor unit *2	0	1.000	1.000	0.977	0.946	0.913
		-2.5	1.000	1.000	0.977	0.946	0.913
		-5	—	1.000	0.977	0.946	0.913
		-10	—	—	0.977	0.946	0.913
		-15	—	—	—	0.946	0.913

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.937	0.914
		10	—	—	0.956	0.937	0.914
		5	—	1.000	0.956	0.937	0.914
		2.5	0.990	1.000	0.956	0.937	0.914
	Indoor unit is lower than outdoor unit *2	0	0.990	1.000	0.956	0.937	0.914
		-2.5	0.986	0.996	0.952	0.933	0.910
		-5	—	0.994	0.950	0.931	0.908
		-10	—	—	0.946	0.927	0.905
		-15	—	—	—	0.923	0.900

Indoor unit: 12,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.914	0.877
		10	—	—	0.959	0.921	0.884
		5	—	0.991	0.965	0.928	0.890
		2.5	0.993	0.993	0.967	0.930	0.893
	Indoor unit is lower than outdoor unit *2	0	1.000	1.000	0.974	0.936	0.899
		-2.5	1.000	1.000	0.974	0.936	0.899
		-5	—	1.000	0.974	0.936	0.899
		-10	—	—	0.974	0.936	0.899
		-15	—	—	—	0.936	0.899

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.936	0.914
		10	—	—	0.955	0.936	0.914
		5	—	1.000	0.955	0.936	0.914
		2.5	0.992	1.000	0.955	0.936	0.914
	Indoor unit is lower than outdoor unit *2	0	0.992	1.000	0.955	0.936	0.914
		-2.5	0.988	0.996	0.951	0.932	0.910
		-5	—	0.994	0.949	0.930	0.908
		-10	—	—	0.945	0.927	0.905
		-15	—	—	—	0.922	0.900

7-2. Model: AOYG18KBTA2

NOTE: Values mentioned in the table are calculated based on the maximum capacity.

■ Indoor unit: 7,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.940	0.914
		10	—	—	0.973	0.948	0.921
		5	—	0.991	0.980	0.955	0.928
		2.5	0.993	0.993	0.982	0.957	0.930
		0	1.000	1.000	0.989	0.963	0.936
	Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.989	0.963	0.936
		-5	—	1.000	0.989	0.963	0.936
		-10	—	—	0.989	0.963	0.936
		-15	—	—	—	0.963	0.936

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.942	0.925
		10	—	—	0.959	0.942	0.925
		5	—	1.000	0.959	0.942	0.925
		2.5	0.990	1.000	0.959	0.942	0.925
		0	0.990	1.000	0.959	0.942	0.925
	Indoor unit is lower than outdoor unit *2	-2.5	0.986	0.996	0.955	0.938	0.921
		-5	—	0.994	0.953	0.936	0.919
		-10	—	—	0.949	0.933	0.916
		-15	—	—	—	0.928	0.911

■ Indoor unit: 9,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.928	0.898
		10	—	—	0.966	0.936	0.905
		5	—	0.991	0.972	0.942	0.911
		2.5	0.993	0.993	0.974	0.944	0.913
		0	1.000	1.000	0.981	0.951	0.920
	Indoor unit is lower than outdoor unit *2	-2.5	1.000	1.000	0.981	0.951	0.920
		-5	—	1.000	0.981	0.951	0.920
		-10	—	—	0.981	0.951	0.920
		-15	—	—	—	0.951	0.920

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.942	0.924
		10	—	—	0.959	0.942	0.924
		5	—	1.000	0.959	0.942	0.924
		2.5	0.990	1.000	0.959	0.942	0.924
		0	0.990	1.000	0.959	0.942	0.924
	Indoor unit is lower than outdoor unit *2	-2.5	0.986	0.996	0.955	0.938	0.920
		-5	—	0.994	0.953	0.936	0.918
		-10	—	—	0.949	0.932	0.915
		-15	—	—	—	0.928	0.910

■ Indoor unit: 12,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.919	0.883
		10	—	—	0.962	0.926	0.891
		5	—	0.991	0.969	0.933	0.897
		2.5	0.993	0.993	0.971	0.935	0.899
	Indoor unit is lower than outdoor unit *2	0	1.000	1.000	0.978	0.941	0.905
		-2.5	1.000	1.000	0.978	0.941	0.905
		-5	—	1.000	0.978	0.941	0.905
		-10	—	—	0.978	0.941	0.905
		-15	—	—	—	0.941	0.905

Heating		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.941	0.924
		10	—	—	0.958	0.941	0.924
		5	—	1.000	0.958	0.941	0.924
		2.5	0.992	1.000	0.958	0.941	0.924
	Indoor unit is lower than outdoor unit *2	0	0.992	1.000	0.958	0.941	0.924
		-2.5	0.988	0.996	0.954	0.937	0.920
		-5	—	0.994	0.952	0.935	0.918
		-10	—	—	0.948	0.932	0.915
		-15	—	—	—	0.927	0.910

■ Indoor unit: 14,000 Btu/h

Cooling		Pipe length					
		m	2.5	5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.913	0.873
		10	—	—	0.959	0.919	0.882
		5	—	0.991	0.967	0.927	0.888
		2.5	0.993	0.993	0.969	0.929	0.890
	Indoor unit is lower than outdoor unit *2	0	1.000	1.000	0.976	0.934	0.895
		-2.5	1.000	1.000	0.976	0.934	0.895
		-5	—	1.000	0.976	0.934	0.895
		-10	—	—	0.976	0.934	0.895
		-15	—	—	—	0.934	0.895

Heating		Pipe length					
		m	3	7.5	10	15	20
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.940	0.924
		10	—	—	0.957	0.940	0.924
		5	—	1.000	0.957	0.940	0.924
		2.5	0.993	1.000	0.957	0.940	0.924
	Indoor unit is lower than outdoor unit *2	0	0.993	1.000	0.957	0.940	0.924
		-2.5	0.989	0.996	0.953	0.936	0.920
		-5	—	0.994	0.951	0.934	0.918
		-10	—	—	0.947	0.932	0.915
		-15	—	—	—	0.926	0.910