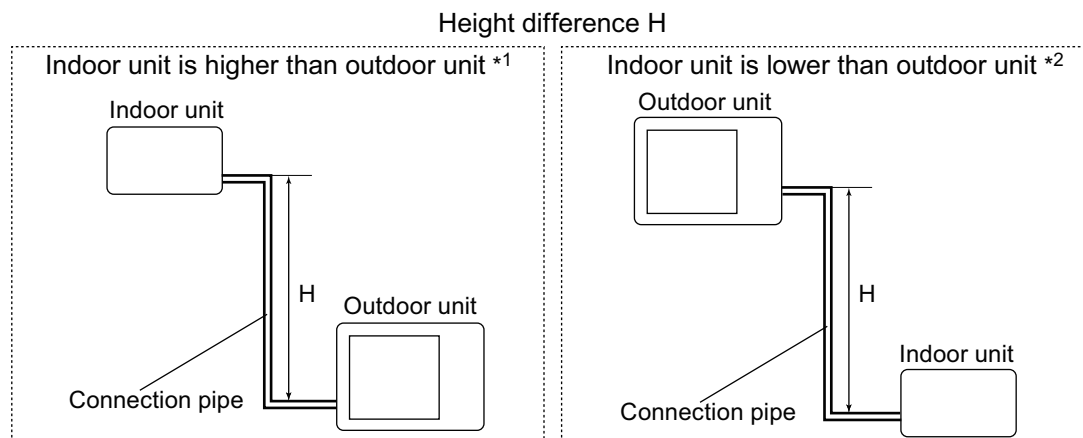


## 7. Capacity compensation rate for pipe length and height difference



OUTDOOR UNIT  
AOYG18-24KBTA3

OUTDOOR UNIT  
AOYG18-24KBTA3

### 7-1. Models: AOYG18KBTA3 and AOYG24KBTA3

**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	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.956	0.942	0.928
		10	—	—	0.977	0.963	0.950	0.936
		5	—	0.992	0.985	0.971	0.957	0.943
		2.5	0.999	0.996	0.989	0.975	0.961	0.947
	Indoor unit is lower than outdoor unit *2	0	1.003	1.000	0.993	0.979	0.965	0.951
		-2.5	1.003	1.000	0.993	0.979	0.965	0.951
		-5	—	1.000	0.993	0.979	0.965	0.951
		-10	—	—	0.993	0.979	0.965	0.951
		-15	—	—	—	0.979	0.965	0.951

Heating		Pipe length						
		m	2.5	5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.977	0.958	0.939
		10	—	—	0.993	0.977	0.958	0.939
		5	—	1.000	0.993	0.977	0.958	0.939
		2.5	0.990	1.000	0.993	0.977	0.958	0.939
	Indoor unit is lower than outdoor unit *2	0	0.990	1.000	0.993	0.977	0.958	0.939
		-2.5	0.988	0.997	0.991	0.975	0.956	0.937
		-5	—	0.995	0.988	0.972	0.953	0.934
		-10	—	—	0.983	0.967	0.948	0.930
		-15	—	—	—	0.962	0.944	0.925

## Indoor unit: 9,000 Btu/h

Cooling		Pipe length						
		m	2.5	5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.956	0.942	0.928
		10	—	—	0.977	0.963	0.950	0.936
		5	—	0.992	0.985	0.971	0.957	0.943
		2.5	1.003	0.996	0.989	0.975	0.961	0.947
	Indoor unit is lower than outdoor unit *2	0	1.007	1.000	0.993	0.979	0.965	0.951
		-2.5	1.007	1.000	0.993	0.979	0.965	0.951
		-5	—	1.000	0.993	0.979	0.965	0.951
		-10	—	—	0.993	0.979	0.965	0.951
		-15	—	—	—	0.979	0.965	0.951

Heating		Pipe length						
		m	2.5	5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.977	0.958	0.939
		10	—	—	0.993	0.977	0.958	0.939
		5	—	1.000	0.993	0.977	0.958	0.939
		2.5	0.993	1.000	0.993	0.977	0.958	0.939
	Indoor unit is lower than outdoor unit *2	0	0.993	1.000	0.993	0.977	0.958	0.939
		-2.5	0.991	0.997	0.991	0.975	0.956	0.937
		-5	—	0.995	0.988	0.972	0.953	0.934
		-10	—	—	0.983	0.967	0.948	0.930
		-15	—	—	—	0.962	0.944	0.925

## Indoor unit: 12,000 Btu/h

Cooling		Pipe length						
		m	2.5	5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.933	0.899	0.859
		10	—	—	0.970	0.940	0.906	0.866
		5	—	0.992	0.978	0.948	0.913	0.873
		2.5	1.010	0.996	0.982	0.952	0.917	0.876
	Indoor unit is lower than outdoor unit *2	0	1.014	1.000	0.986	0.956	0.921	0.880
		-2.5	1.014	1.000	0.986	0.956	0.921	0.880
		-5	—	1.000	0.986	0.956	0.921	0.880
		-10	—	—	0.986	0.956	0.921	0.880
		-15	—	—	—	0.956	0.921	0.880

Heating		Pipe length						
		m	2.5	5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.975	0.957	0.940
		10	—	—	0.990	0.975	0.957	0.940
		5	—	1.000	0.990	0.975	0.957	0.940
		2.5	0.995	1.000	0.990	0.975	0.957	0.940
	Indoor unit is lower than outdoor unit *2	0	0.995	1.000	0.990	0.975	0.957	0.940
		-2.5	0.993	0.997	0.988	0.973	0.955	0.938
		-5	—	0.995	0.985	0.970	0.952	0.936
		-10	—	—	0.980	0.965	0.947	0.931
		-15	—	—	—	0.960	0.943	0.926

## Indoor unit: 14,000 Btu/h

Cooling		Pipe length						
		m	2.5	5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.969	0.962	0.953
		10	—	—	0.982	0.977	0.970	0.961
		5	—	0.992	0.990	0.985	0.977	0.968
		2.5	0.998	0.996	0.994	0.989	0.981	0.972
	Indoor unit is lower than outdoor unit *2	0	1.002	1.000	0.998	0.993	0.985	0.976
		-2.5	1.002	1.000	0.998	0.993	0.985	0.976
		-5	—	1.000	0.998	0.993	0.985	0.976
		-10	—	—	0.998	0.993	0.985	0.976
		-15	—	—	—	0.993	0.985	0.976

Heating		Pipe length						
		m	2.5	5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.967	0.943	0.917
		10	—	—	0.990	0.967	0.943	0.917
		5	—	1.000	0.990	0.967	0.943	0.917
		2.5	1.010	1.000	0.990	0.967	0.943	0.917
	Indoor unit is lower than outdoor unit *2	0	1.010	1.000	0.990	0.967	0.943	0.917
		-2.5	1.008	0.997	0.988	0.965	0.941	0.915
		-5	—	0.995	0.985	0.962	0.938	0.912
		-10	—	—	0.980	0.957	0.934	0.908
		-15	—	—	—	0.952	0.929	0.903

## Indoor unit: 18,000 Btu/h

Cooling		Pipe length						
		m	2.5	5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.977	0.968	0.953
		10	—	—	0.986	0.985	0.976	0.960
		5	—	0.992	0.994	0.993	0.984	0.968
		2.5	0.993	0.996	0.998	0.998	0.988	0.972
	Indoor unit is lower than outdoor unit *2	0	0.997	1.000	1.002	1.002	0.992	0.976
		-2.5	0.997	1.000	1.002	1.002	0.992	0.976
		-5	—	1.000	1.002	1.002	0.992	0.976
		-10	—	—	1.002	1.002	0.992	0.976
		-15	—	—	—	1.002	0.992	0.976

Heating		Pipe length						
		m	2.5	5	10	15	20	25
Height difference H (m)	Indoor unit is higher than outdoor unit *1	15	—	—	—	0.964	0.939	0.913
		10	—	—	0.988	0.964	0.939	0.913
		5	—	1.000	0.988	0.964	0.939	0.913
		2.5	1.008	1.000	0.988	0.964	0.939	0.913
	Indoor unit is lower than outdoor unit *2	0	1.008	1.000	0.988	0.964	0.939	0.913
		-2.5	1.006	0.997	0.986	0.962	0.937	0.911
		-5	—	0.995	0.983	0.959	0.934	0.908
		-10	—	—	0.978	0.954	0.930	0.904
		-15	—	—	—	0.950	0.925	0.899