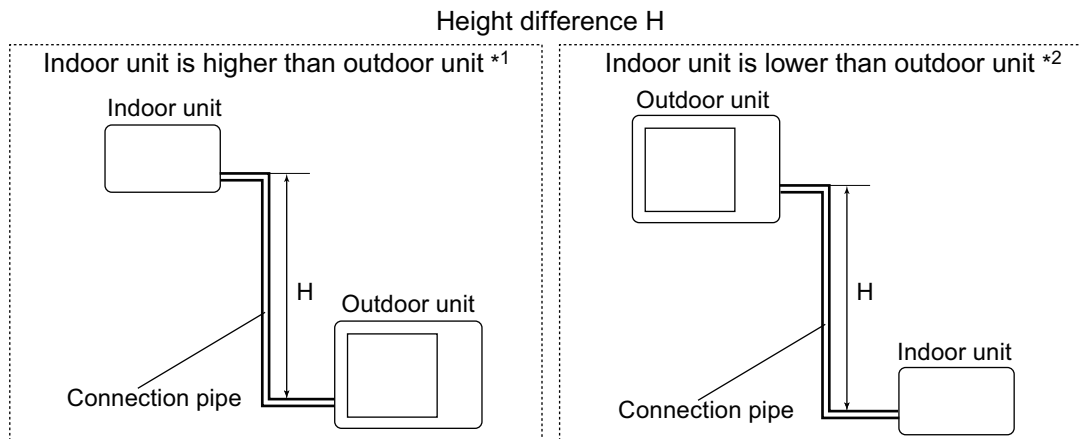


## 6. Capacity compensation rate for pipe length and height difference



### 6-1. Model: AOYG72LRLA

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

COOLING		Pipe length (m)												
		5	7.5	10	20	30	40	50	60	70	80	90	100	
Height difference H (m)	Indoor unit is higher than outdoor unit *1	30	—	—	—	—	0.898	0.874	0.850	0.826	0.803	0.780	0.756	0.732
		20	—	—	—	0.938	0.913	0.889	0.864	0.840	0.817	0.793	0.769	0.744
		10	—	—	0.978	0.953	0.928	0.903	0.879	0.854	0.830	0.806	0.781	0.757
		7.5	—	0.988	0.982	0.957	0.932	0.907	0.882	0.858	0.834	0.809	0.784	0.760
		5	0.992	0.992	0.986	0.961	0.935	0.911	0.886	0.861	0.837	0.812	0.788	0.763
	0	1.000	1.000	0.994	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769	
	Indoor unit is lower than outdoor unit *2	-5	1.000	1.000	0.994	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769
		-7.5	—	1.000	0.994	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769
		-10	—	—	0.994	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769
		-20	—	—	—	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769
-30		—	—	—	—	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769	

HEATING		Pipe length (m)												
		5	7.5	10	20	30	40	50	60	70	80	90	100	
Height difference H (m)	Indoor unit is higher than outdoor unit *1	30	—	—	—	—	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
		20	—	—	—	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
		10	—	—	0.997	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
		7.5	—	1.000	0.997	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
		5	1.000	1.000	0.997	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
	0	1.000	1.000	0.997	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908	
	Indoor unit is lower than outdoor unit *2	-5	0.995	0.995	0.992	0.982	0.972	0.961	0.951	0.941	0.933	0.923	0.913	0.903
		-7.5	—	0.993	0.990	0.980	0.970	0.959	0.949	0.939	0.931	0.921	0.911	0.901
		-10	—	—	0.987	0.977	0.967	0.956	0.946	0.937	0.928	0.918	0.908	0.898
		-20	—	—	—	0.967	0.957	0.947	0.937	0.927	0.919	0.909	0.899	0.889
-30		—	—	—	—	0.948	0.937	0.927	0.918	0.909	0.900	0.890	0.880	

## 6-2. Model: AOYG90LRLA

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

COOLING			Pipe length (m)											
			5	7.5	10	20	30	40	50	60	70	80	90	100
Height difference H (m)	Indoor unit is higher than outdoor unit *1	30	—	—	—	—	0.898	0.874	0.850	0.826	0.803	0.780	0.756	0.732
		20	—	—	—	0.938	0.913	0.889	0.864	0.840	0.817	0.793	0.769	0.744
		10	—	—	0.978	0.953	0.928	0.903	0.879	0.854	0.830	0.806	0.781	0.757
		7.5	—	0.988	0.982	0.957	0.932	0.907	0.882	0.858	0.834	0.809	0.784	0.760
		5	0.992	0.992	0.986	0.961	0.935	0.911	0.886	0.861	0.837	0.812	0.788	0.763
	0	1.000	1.000	0.994	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769	
	Indoor unit is lower than outdoor unit *2	-5	1.000	1.000	0.994	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769
		-7.5	—	1.000	0.994	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769
		-10	—	—	0.994	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769
		-20	—	—	—	0.969	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769
-30		—	—	—	—	0.943	0.918	0.893	0.868	0.844	0.819	0.794	0.769	

HEATING			Pipe length (m)											
			5	7.5	10	20	30	40	50	60	70	80	90	100
Height difference H (m)	Indoor unit is higher than outdoor unit *1	30	—	—	—	—	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
		20	—	—	—	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
		10	—	—	0.997	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
		7.5	—	1.000	0.997	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
		5	1.000	1.000	0.997	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908
	0	1.000	1.000	0.997	0.987	0.977	0.966	0.956	0.946	0.938	0.928	0.918	0.908	
	Indoor unit is lower than outdoor unit *2	-5	0.995	0.995	0.992	0.982	0.972	0.961	0.951	0.941	0.933	0.923	0.913	0.903
		-7.5	—	0.993	0.990	0.980	0.970	0.959	0.949	0.939	0.931	0.921	0.911	0.901
		-10	—	—	0.987	0.977	0.967	0.956	0.946	0.937	0.928	0.918	0.908	0.898
		-20	—	—	—	0.967	0.957	0.947	0.937	0.927	0.919	0.909	0.899	0.889
-30		—	—	—	—	0.948	0.937	0.927	0.918	0.909	0.900	0.890	0.880	