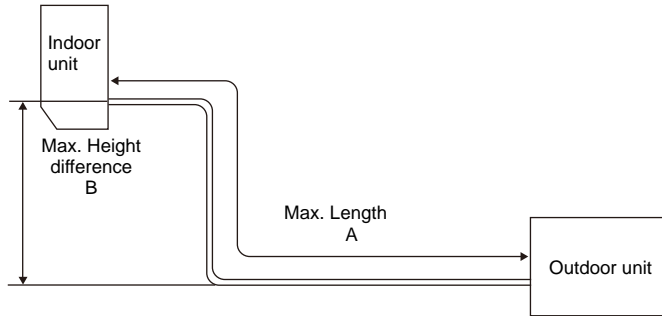


MAX. REFRIGERANT PIPING LENGTH and MAX. HEIGHT DIFFERENCE

Model	Refrigerant piping: m		Piping size O.D: mm	
	Max. Length A	Max. Height difference B	Gas	Liquid
MUFZ-KW25VGHZ MUFZ-KW35VGHZ	20	12	9.52	6.35
MUFZ-KW50VGHZ MUFZ-KW60VGHZ	30	15	12.7	6.35



ADDITIONAL REFRIGERANT CHARGE (R32: g)

Model	Outdoor unit precharged	Refrigerant piping length (one way)													
		7 m	8 m	9 m	10 m	11 m	12 m	13 m	14 m	15 m	16 m	17 m	18 m	19 m	20 m
MUFZ-KW25VGHZ MUFZ-KW35VGHZ	1,000	0	20	40	60	80	100	120	140	160	180	200	220	240	260

Calculation: $X \text{ g} = 20 \text{ g/m} \times (\text{Refrigerant piping length(m)} - 7)$

Model	Outdoor unit precharged	Refrigerant piping length (one way)							
		7 m	8 m	9 m	10 m	15 m	20 m	25 m	30 m
MUFZ-KW50VGHZ MUFZ-KW60VGHZ	1,300	0	20	40	60	160	260	360	460

Calculation: $X \text{ g} = 20 \text{ g/m} \times (\text{Refrigerant piping length (m)} - 7)$