

■ (E)M200 to 500YNW (R32 refrigerant)

(1) Units "m" and "kg"

<Formula>

- When the piping length from the outdoor unit to the farthest HBC is 10 m (32 ft) or shorter

Amount of additional charge (kg)	=	High-pressure pipe ø22.2 total length × 0.23 (kg/m)	+	High-pressure pipe ø19.05 total length × 0.16 (kg/m)	+	High-pressure pipe ø15.88 total length × 0.11 (kg/m)
		Outdoor unit model		Amount (kg)	HBC model	
		(E)M200	1.0	+	350F	5.6
		(E)M250	1.0		500F	5.6
		(E)M300	0			
		(E)M350	0			
		(E)M400	0			
		(E)M450	0			
		(E)M500	0			

\* Amount of refrigerant to be charged for single-module units

- When the piping length from the outdoor unit to the farthest HBC is longer than 10 m (32 ft)

Amount of additional charge (kg)	=	High-pressure pipe ø22.2 total length × 0.19 (kg/m)	+	High-pressure pipe ø19.05 total length × 0.13 (kg/m)	+	High-pressure pipe ø15.88 total length × 0.09 (kg/m)
		Outdoor unit model		Amount (kg)	HBC model	
		(E)M200	1.0	+	350F	5.6
		(E)M250	1.0		500F	5.6
		(E)M300	0			
		(E)M350	0			
		(E)M400	0			
		(E)M450	0			
		(E)M500	0			

\* Amount of refrigerant to be charged for single-module units

<Example>

Outdoor unit model: PURY-EM300YNW-A1  
Main-HBC model: CMB-WM350F-AA  
Sub-HBC model: CMB-WM108V-BB x 3

\* Refer to the pipe connection examples in [Fig. 2.4.1] (P.2).  
A: ø15.88; 18 m

The total length of the high-pressure piping and liquid piping in each case is as follows:

ø15.88 total length: 18 (A)

Therefore, when the piping length from the outdoor unit to the farthest HBC is longer than 10 m (32 ft),

$$\text{Amount of additional charge} = (18 \times 0.09) + 5.6$$

$$= 7.3 \text{ kg (Fractions are rounded up.)}$$

(2) Units "ft" and "oz"

<Formula>

- When the piping length from the outdoor unit to the farthest HBC is 10 m (32 ft) or shorter

Amount of additional charge (oz)	=	High-pressure pipe ø7/8 total length × 2.48 (oz/ft)	+	High-pressure pipe ø3/4 total length × 1.73 (oz/ft)	+	High-pressure pipe ø5/8 total length × 1.19 (oz/ft)
		Outdoor unit model		Amount (oz)	HBC model	
		(E)M200	36	+	350F	198
		(E)M250	36		500F	198
		(E)M300	0			
		(E)M350	0			
		(E)M400	0			
		(E)M450	0			
		(E)M500	0			

\* Amount of refrigerant to be charged for single-module units

- When the piping length from the outdoor unit to the farthest HBC is longer than 10 m (32 ft)

Amount of additional charge (oz)	=	High-pressure pipe ø7/8 total length × 2.05 (oz/ft)	+	High-pressure pipe ø3/4 total length × 1.36 (oz/ft)	+	High-pressure pipe ø5/8 total length × 0.97 (oz/ft)
		Outdoor unit model		Amount (oz)	HBC model	
		(E)M200	36	+	350F	198
		(E)M250	36		500F	198
		(E)M300	0			
		(E)M350	0			
		(E)M400	0			
		(E)M450	0			
		(E)M500	0			

\* Amount of refrigerant to be charged for single-module units

<Example>

Outdoor unit model: PURY-EM300YNW-A1  
Main-HBC model: CMB-WM350F-AA  
Sub-HBC model: CMB-WM108V-BB x 3

\* Refer to the pipe connection examples in [Fig. 2.4.1] (P.2).  
A: ø5/8; 59 ft

The total length of the high-pressure piping and liquid piping in each case is as follows:

ø5/8 total length: 59 (A)

Therefore, when the piping length from the outdoor unit to the farthest HBC is longer than 10 m (32 ft),

$$\text{Amount of additional charge} = (59 \times 0.97) + 198$$

$$= 255.3 \text{ oz (Fractions are rounded up.)}$$