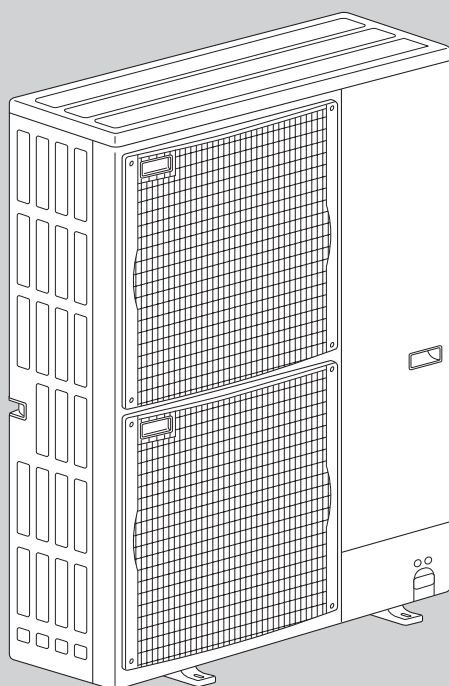


October 2019

TECHNICAL DATA **R410A****No. OCDT607**Outdoor unit
[Model Name]**TRUZH0301HA50NA**
TRUZH0361HA50NA**CONTENTS**

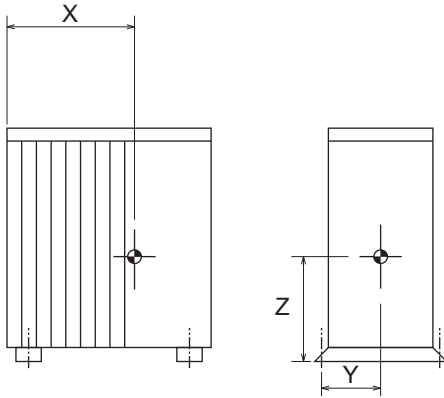
- 1. POSITION OF THE CENTER OF GRAVITY... 2
- 2. PERFORMANCE CURVES 3
- 3. CORRECTION FACTORS 5

1

POSITION OF THE CENTER OF GRAVITY

TRUZH0301HA50NA

TRUZH0361HA50NA



Unit: inch (mm)

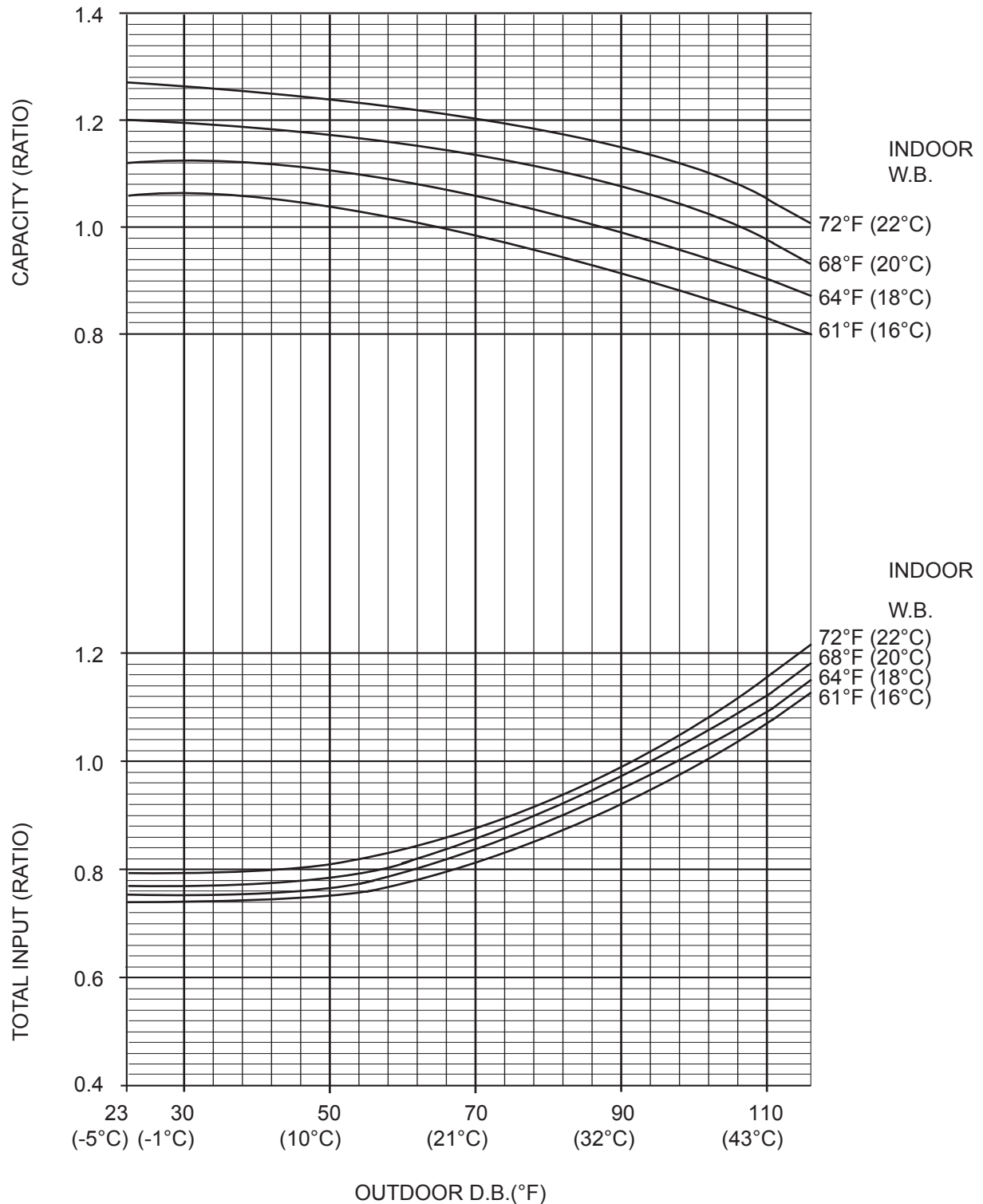
X	Y	Z
23-15/64 (590)	7-9/32 (185)	19-11/16 (500)

FOR THE COMBINATION OF OUTDOOR UNIT

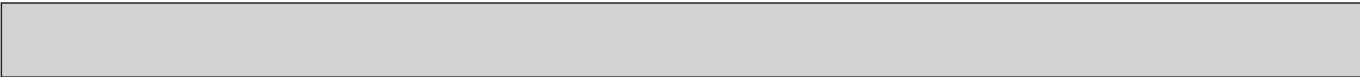
TRUZH0301HA50NA

TRUZH0361HA50NA

Cooling performance curve



Note : This diagram shows the case where the operation frequency of a compressor is fixed.

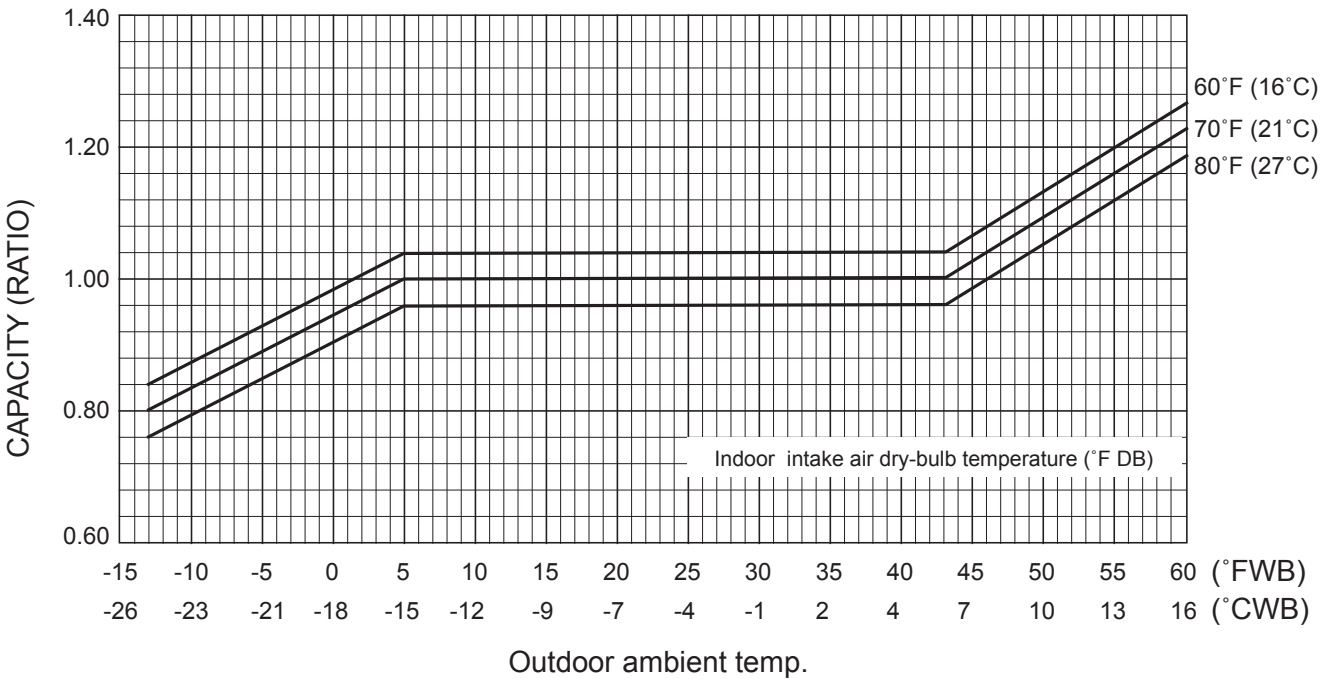


TRUZH0301HA50NA

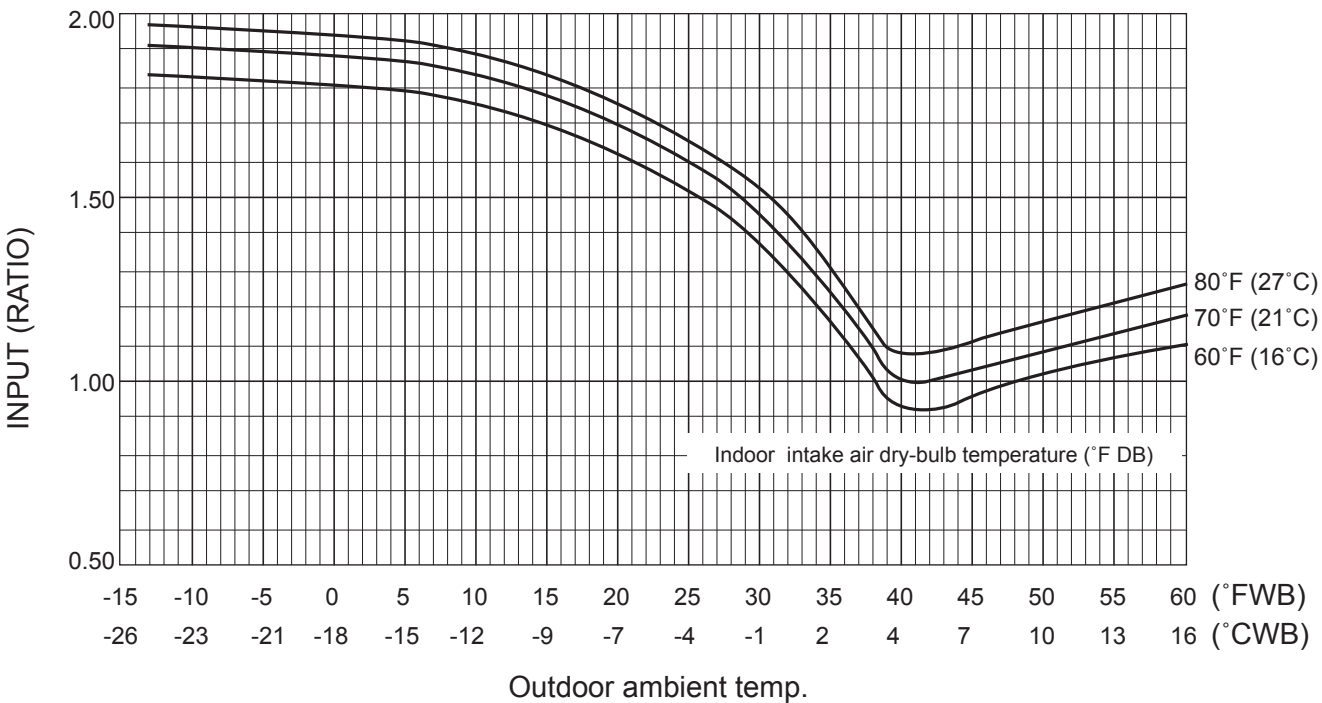
TRUZH0361HA50NA

Rated heating performance curve

Rated heating capacity



Heating input



3

CORRECTION FACTORS

TRUZH0301HA50NA

TRUZH0361HA50NA

3-1. COOLING CAPACITY CORRECTION FACTORS

Refrigerant piping length (one way)									
5m (16ft)	10m (33ft)	20m (70ft)	30m (100ft)	40m (130ft)	50m (165ft)	55m (180ft)	60m (195ft)	70m (230ft)	75m (245ft)
1.00	0.985	0.957	0.931	0.908	0.886	0.876	0.865	0.846	0.838

3-2. HEATING CAPACITY CORRECTION FACTORS

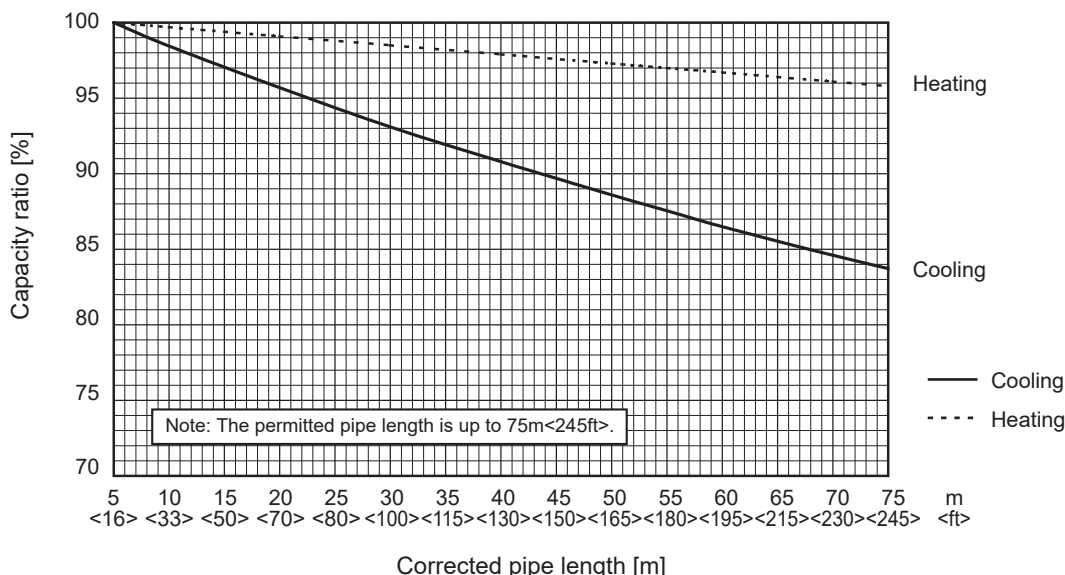
Refrigerant piping length (one way)									
5m (16ft)	10m (33ft)	20m (70ft)	30m (100ft)	40m (130ft)	50m (165ft)	55m (180ft)	60m (195ft)	70m (230ft)	75m (245ft)
1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.958

3-3. CAPACITY CORRECTION

Cooling and heating capacity is lowered according to pipe length. Capacity can be obtained by referring to the capacity curves below.

Corrected pipe length (m) = actual pipe length (m) + number of bends x 0.3 (m)

Corrected pipe length (ft) = actual pipe length (ft) + number of bends x 1 (ft)



When the pipe is one size larger than standard size, capacity can be obtained by referring to capacity curves of standard size.

3-4. ADDITION OF REFRIGERANT

- Additional charging is not necessary if the pipe length does not exceed 30 m (100 ft).
- If the pipe length exceeds the specified length above, charge the unit with additional R410A refrigerant according to the permitted pipe lengths in the chart below.
 - * When the unit is stopped, charge the unit with the additional refrigerant through the liquid stop valve after the pipe extensions and indoor unit have been vacuumized.
 - * When the unit is operating, add refrigerant to the gas check valve using a safety charger. Do not add liquid refrigerant directly to the check valve.
 - * After charging the unit with refrigerant, note the added refrigerant amount on the service label (attached to the unit).
- Be careful when installing multiple units. Connecting to an incorrect indoor unit can lead to abnormally high pressure and have a serious effect on operation performance.

Max. pipe length	Max. height difference	Additional refrigerant charging amount															
		30 m 100 ft	33 m 110 ft	37 m 120 ft	40 m 130 ft	43 m 140 ft	46 m 150 ft	49 m 160 ft	52 m 170 ft	55 m 180 ft	58 m 190 ft	61 m 200 ft	64 m 210 ft	67 m 220 ft	70 m 230 ft	73 m 240 ft	75 m 245 ft
75 m 245 ft	30 m 100 ft	0 oz 0 kg	6 oz 0.2 kg	12 oz 0.4 kg	18 oz 0.5 kg	24 oz 0.7 kg	30 oz 0.9 kg	36 oz 1.0 kg	42 oz 1.2 kg	48 oz 1.4 kg	54 oz 1.5 kg	60 oz 1.7 kg	66 oz 1.9 kg	72 oz 2.0 kg	78 oz 2.2 kg	84 oz 2.3 kg	86 oz 2.4 kg

mitsubishi electric trane hvac us llc

HEAD OFFICE: 1340 SATELLITE BOULEVARD, SUWANEE, GA 30024, USA