

R454B

TCCM Multi-Position Cased Coils

Indoor A-Coil

Cooling capacity: 30-60 kBtu/h



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Standard Features:

- Equipped with a refrigerant sensor, suitable for R454b system .
- UL 60335 2-40 and AHRI certificated.
- High efficiency and energy saving, AHRI energy efficiency certificated .
- Multi-position installation accommodated a variety of installation scenarios .
- Broad cooling range from 55 °F to 120 °F.
- Optional factory installed Thermostatic Expansion Valve .
- All aluminum coil for corrosion-resistance.
- 100% insulation, reduces operating sound and enhance thermal insulation.
- Perfect match with TGF gas furnace, no need extra kit for R454b system.

1 Product lineup

Model	TCCM3036AAOH, TCCM3036BAOH TCCM3036CAOH, TCCM3642BAOH TCCM3642CAOH, TCCM3642DAOH TCCM4248BAOH, TCCM4248CAOH TCCM4248DAOH, TCCM4860CAOH TCCM4860DAOH
Appearance	

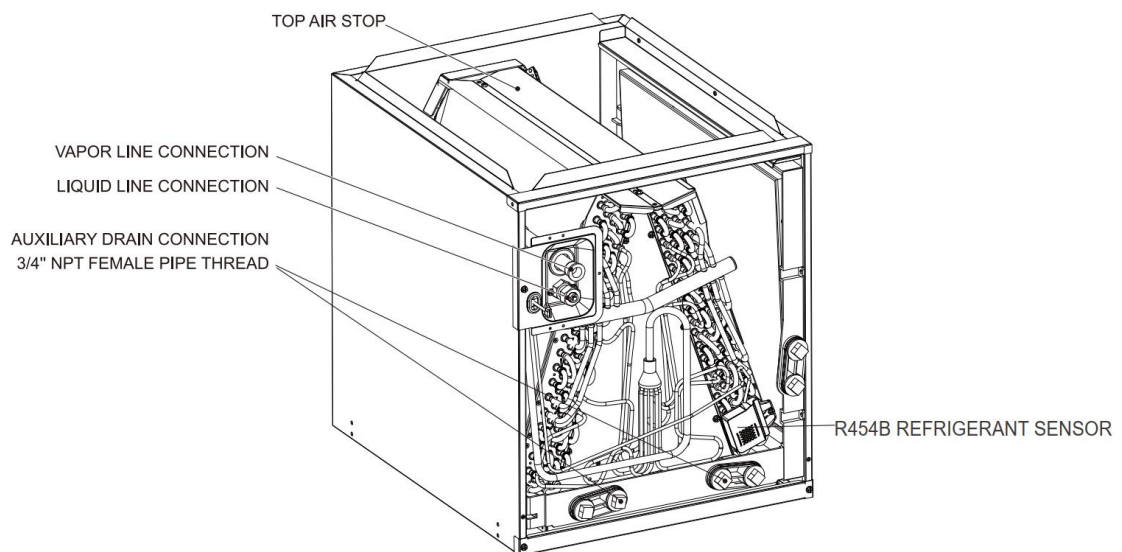
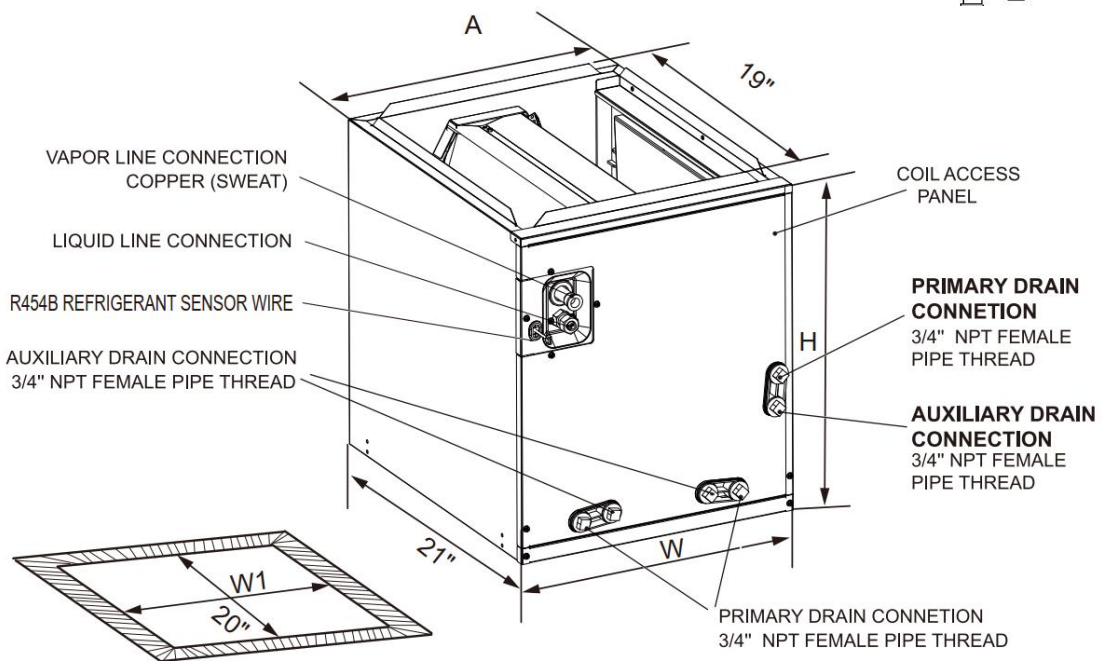
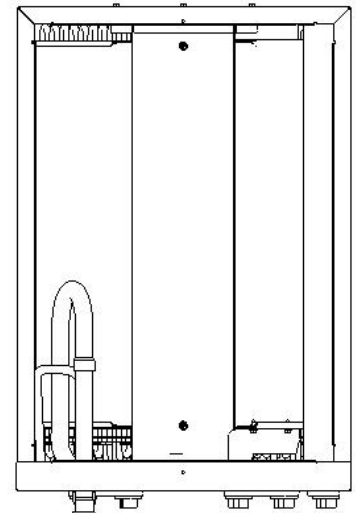
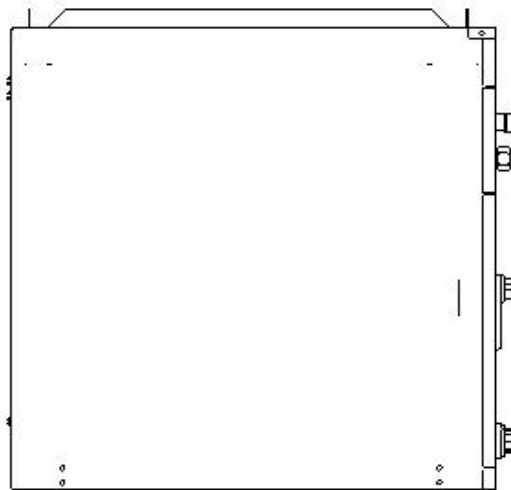
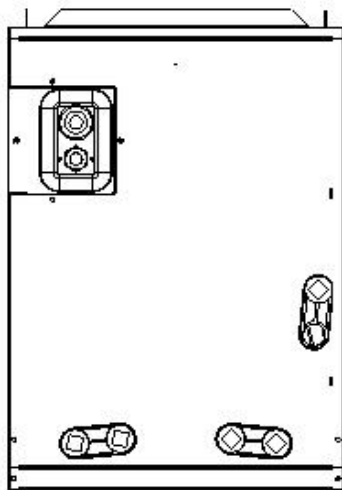
2 Specifications

	TCCM3036AAOH	TCCM3036BAOH	TCCM3036CAOH	TCCM3642BAOH
INSTALLATION	Multiple position	Multiple position	Multiple position	Multiple position
AIR OUTLET (W × H) (in.)	13 × 19	16 × 19	19-1/2 × 19	16 × 19
NOMINAL RATING				
Max. Cooling (BTU/h)	30,000/36,000	30,000/36,000	30,000/36,000	36,000/42,000
EVAPORATOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32
REFRIGERANT CONNECTION SIZE				
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4
DIMENSIONS				
Net dimensions (D × W × H) (in.)	21 × 14-1/2 × 20	21 × 17-1/2 × 20	21 × 21 × 20	21 × 17-1/2 × 26
Packed dimensions (D × W × H) (in.)	24-15/16 × 24-3/16 × 22-1/4	24-15/16 × 20-5/8 × 22-1/4	24-15/16 × 24-3/16 × 22-1/4	24-15/16 × 20-5/8 × 28-1/8
WEIGHT				
Net weight (lbs.)	45	47	49	57
Shipping weight (lbs.)	54	57	55	64

	TCCM3642CAOH	TCCM3642DAOH	TCCM4248BAOH	TCCM4248CAOH
INSTALLATION	Multiple position	Multiple position	Multiple position	Multiple position
AIR OUTLET (W × H) (in.)	19-1/2 × 19	23 × 19	16 × 19	19-1/2 × 19
NOMINAL RATING				
Max. Cooling (BTU/h)	36,000/42,000	36,000/42,000	42,000/48,000	42,000/48,000
EVAPORATOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	3/8	3/8
REFRIGERANT CONNECTION SIZE				
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4
DIMENSIONS				
Net dimensions (D × W × H) (in.)	21 × 21 × 26	21 × 24-1/2 × 26	21 × 17-1/2 × 30	21 × 21 × 30
Packed dimensions (D × W × H) (in.)	24-15/16 × 24-3/16 × 28-1/8	24-15/16 × 27-9/16 × 28-1/8	24-15/16 × 20-5/8 × 32-5/16	24-15/16 × 24-3/16 × 32-5/16
WEIGHT				
Net weight (lbs.)	59	64	73	73
Shipping weight (lbs.)	66	70	79	79

	TCCM4248DAOH	TCCM4860CAOH	TCCM4860DAOH
INSTALLATION	Multiple position	Multiple position	Multiple position
AIR OUTLET (W × H) (in.)	23 × 19	19-1/2 × 19	23 × 19
NOMINAL RATING			
Max. Cooling (BTU/h)	42,000/48,000	48,000/60,000	48,000/60,000
EVAPORATOR COIL			
Type	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum
Tube Size (in.)	3/8	3/8	3/8
REFRIGERANT CONNECTION SIZE			
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4
DIMENSIONS			
Net dimensions (D × W × H) (in.)	21 × 24-1/2 × 30	21 × 21 × 30	21 × 24-1/2 × 30
Packed dimensions (D × W × H) (in.)	24-15/16 × 27-9/16 × 32-5/16	24-15/16 × 24-3/16 × 32-5/16	24-15/16 × 27-9/16 × 32-5/16
WEIGHT			
Net weight (lbs.)	75	82	86
Shipping weight (lbs.)	82	88	93

3 Dimensional Drawing



MODELS	Unit Dimensions IN. [mm]					WEIGHT (LBS. [kg])
	UNIT HEIGHT "H"	UNIT WIDTH "W"	SUPPLY DUCT "A"	"W1"	LIQUID LINE/ VAPOR LINE	
TCCM3036AAOH	20 [508]	14-1/2 [368]	13 [330]	13-1/2 [343]	3/8 / 3/4	44 [20]
TCCM3642CAOH	20 [508]	17-1/2 [445]	16 [407]	16-1/2 [419]	3/8 / 3/4	46 [21]
TCCM3036CAOH	20 [508]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	49 [22]
TCCM3642BAOH	26 [660]	17-1/2 [445]	16 [407]	16-1/2 [419]	3/8 / 3/4	57 [26]
TCCM3642CAOH	26 [660]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	59 [27]
TCCM3642DAOH	26 [660]	24-1/2 [622]	23 [584]	23-1/2 [597]	3/8 / 3/4	64 [29]
TCCM4248BAOH	30 [762]	17-1/2 [445]	16 [407]	16-1/2 [419]	3/8 / 3/4	73 [33]
TCCM4248CAOH	30 [762]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	73 [33]
TCCM4248DAOH	30 [762]	24-1/2 [622]	23 [584]	23-1/2 [597]	3/8 / 3/4	75 [34]
TCCM4860CAOH	30 [762]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	82 [37]
TCCM4860DAOH	30 [762]	24-1/2 [622]	23 [584]	23-1/2 [597]	3/8 / 3/4	86 [39]

4 Airflow Performance

Pressure drop characteristics for cooling (SCFM)								
Model	Pressure drop (Inches of water gauge)							
	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4
TCCM3036AAOH	307	485	618	729	823	911	991	1063
TCCM3642CAOH	327	527	682	810	925	1024	1122	1217
TCCM3036CAOH	360	585	748	893	1019	1132	1238	1348
TCCM3642BAOH	401	600	773	916	1045	1160	1256	1357
TCCM3642CAOH	457	663	856	1019	1156	1277	1394	1502
TCCM3642DAOH	496	718	924	1102	1259	1398	1530	1651
TCCM4248BAOH	456	638	810	953	1077	1191	1284	1390
TCCM4248CAOH	505	726	932	1098	1244	1375	1494	1604
TCCM4248DAOH	533	857	1105	1319	1509	1675	1824	1956
TCCM4860CAOH	439	699	906	1071	1224	1362	1487	1589
TCCM4860DAOH	466	764	978	1157	1313	1466	1590	1695

Data based on wet coil with entering air at 80 deg F DB / 67 deg F WB without air filter.

The maximum allowable pressure drop is 0.4 in. WC.

The maximum CFM is the data at 0.4 in. WC. pressure

