



เครื่องปรับอากาศ “แคเรียร์”



07TD Series

Water Cooled Condensing Unit
Nominal Cooling Range 1-5 Tons



07TD Series



07TD water cooled condensing unit is small, compact and use a minimum of water. Each unit may be installed single or in multiples, on the floor, suspended from a ceiling or positioned in a closet. Six sizes, when matched or mix-matched with evaporator sections provide a wide range of capacities.

Features

Compatible fittings permit either mechanical (quick) or sweat connection without the use of adapters, and liquid & suction service valve.

Lasting beauty and protection of Weather Armor casing is positive shields against rust and corrosion. Cabinet is made from galvanized steel, bonderized, and painted with baked enamel.

Low operating sound permits flexibility of unit location. Cabinet is internally insulated to absorb operating sound. Vibration isolators are fitted under both compressor and condenser.

Time Guard circuit prevents compressor shot cycling on safety device, thermostat or power interruption by preventing compressor from restarting for 3 minutes. *(Option for all models)*

Highly efficient plate heat exchanger minimizes condenser water flow requirement. Unit efficiency is substantially higher than for comparable air-cooled condensing units.

Long unit life: Phase compressor protected from current and temperature overloads. For 07TD036BSC - 060SC protective devices include high and low pressure safety switches. *(Option for 07TD012 - 024SC models)*

Start capacitor, running capacitor and relay for compressor

Physical Data

Description		Water Cooled Condensing Unit							
Model		07TD012	07TD018SC	07TD024SC	07TD036BSC	07TD036SC	07TD048SC	07TD060SC	
Nominal Capacity	BTU/Hr	13,700	19,000	24,100	36,000	36,000	48,000	60,000	
Operating Weight	lb	79	110	117	125	125	154	182	
R-22 (Holding Charge)	lb	2.2							
Compressor	Number	1							
	Type	Rotary	Hermetic Scroll Compressor						
Condenser		Water Cooled, Plate Heat Exchanger							
Connection	Water Inlet & Outlet	IN FPT	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Refrigerant, Suction	IN ODF	5/8	5/8	5/8	3/4	3/4	3/4	3/4
	Liquid	IN ODF	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Overall Dimension	Height	mm.	400	452	452	452	452	560	560
	Width	mm.	350	352	352	352	352	390	390
	Depth	mm.	310	462	462	462	462	490	490
High Pressure Switch	Cut in-out (psi) 275-395	Option				Standard			
Low Pressure Switch	Cut in-out (psi) 60-30	Option				Standard			
Solid State Timer	3 min. delay	Option for all model							

Electrical Data (50HZ)

Model		07TD012	07TD018SC	07TD024SC	07TD036BSC	07TD036SC	07TD048SC	07TD060SC
Nominal Power Supply	V/Ph/Hz	220/1/50	220/1/50	220/1/50	220/1/50	380/3/50	380/3/50	380/3/50
Permissible Voltage Limits	V	198-264	198-264	198-264	198-264	342-462	342-462	342-462
Nominal Voltage Limits of Distribution Network	V	220-240	220-240	220-240	220-240	380-420	380-420	380-420
Compressor	LRA	28	47	61	97	46	62	74
	RLA	5.2	9.6	12.9	17.1	7.1	8.2	10.0

Performance Data

Model	SST DEG°F	Entering Water Temperature, DEG°F								
		80			90			100		
		CAP	KW	GPM	CAP	KW	GPM	CAP	KW	GPM
07TD012SC	30	12.10	0.90	2.80	11.40	1.10	2.70	10.10	1.00	2.40
	40	14.60	1.10	3.40	13.70	1.30	3.20	12.20	1.20	2.80
	50	17.50	1.30	4.10	16.40	1.50	3.80	14.60	1.60	3.40
07TD018SC	30	17.10	1.47	3.70	15.90	1.70	3.50	14.00	2.00	3.10
	40	21.00	1.46	4.60	19.50	1.68	4.30	17.30	1.96	3.80
	50	25.30	1.46	5.50	23.50	1.67	5.10	20.80	1.93	4.60
07TD024SC	30	21.10	1.86	4.60	19.60	2.11	4.40	17.30	2.41	3.80
	40	25.90	1.83	5.60	24.10	2.08	5.20	21.30	2.37	4.70
	50	31.30	1.81	6.80	29.00	2.04	6.30	25.70	2.33	5.60
07TD036BSC	30	31.80	2.65	6.90	29.50	3.02	6.40	26.10	3.45	5.70
	40	39.10	2.62	8.50	36.30	2.98	7.90	32.10	3.40	7.00
	50	47.10	2.58	10.20	43.70	2.93	9.50	38.70	3.35	8.40
07TD036SC	30	31.80	2.62	6.90	29.50	2.97	6.40	26.10	3.37	5.70
	40	39.10	2.58	8.50	36.30	2.93	7.90	32.10	3.33	7.00
	50	47.10	2.54	10.20	43.70	2.88	9.50	38.70	3.28	8.40
07TD048SC	30	41.60	3.36	9.20	37.90	3.76	8.40	33.80	4.21	7.60
	40	52.80	3.39	11.80	48.60	3.80	10.60	44.40	4.26	9.30
	50	63.10	3.42	13.60	58.40	3.83	12.70	54.30	4.29	11.20
07TD060SC	30	53.60	4.15	11.50	43.80	4.69	10.40	39.30	5.31	9.50
	40	64.00	4.15	15.10	60.40	4.69	13.30	54.50	5.29	11.60
	50	76.60	4.18	17.00	72.30	4.70	15.90	68.20	5.30	14.00

CAP Capacity (1000 BTU/hr)
KW Unit Power Input
GPM Cooling Water Flow Rate
SST Saturated Suction Temperature

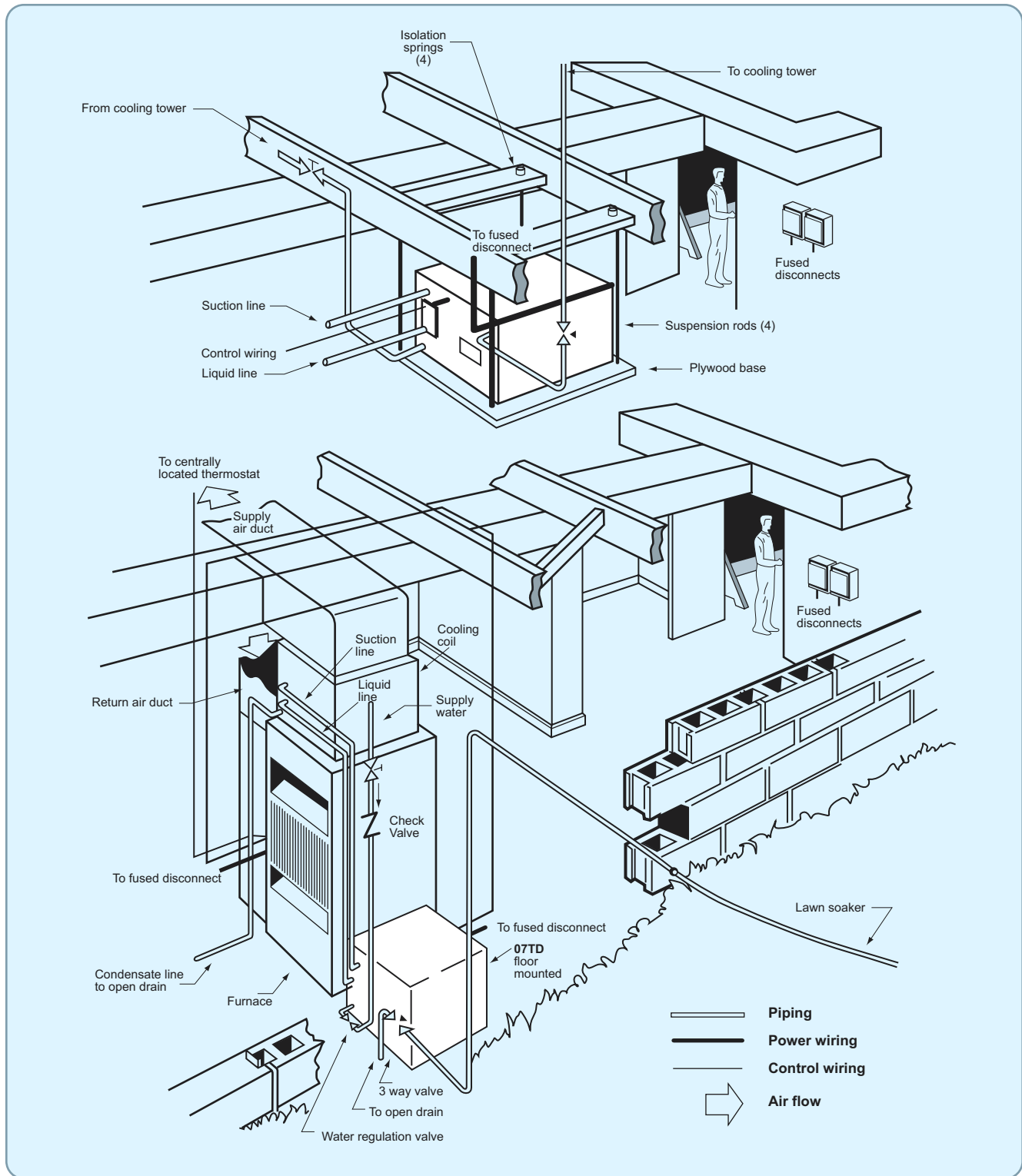
NOTE:

- Interpolation is permissible. Do not extrapolate.
- Rating base on 15°F subcooling in condenser, 10°F superheat in evaporator, 10°F water temperature rise, 0.0005 fouling factor.

Water Pressure Drop (In Ft. Wg.)

Model	Flow Rate (GPM)																
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
07TD012	2.1	2.6	4.1	5.6													
07TD018SC		2.1	4.0	5.9	7.8	9.7											
07TD024SC		2.8	4.7	6.6	8.5	10.4											
07TD036(BSC/SC)				5.2	6.7	8.6	10.5	12.4									
07TD048SC								5.7	6.3	7.8	9.4	10.6	12.5	13.3			
07TD060SC										6.2	7.4	8.5	9.7	10.4	11.6	12.9	14.1

Typical piping and wiring



บริษัท แคนเรีย (ประเทศไทย) จำกัด

ชั้น 14-15 อาคารเนชั่น ทาวเวอร์
46/63-74 ถ.บางนา-ตราด กม. 4.5
บางนา กรุงเทพฯ 10260
โทร. 0-2751-4777 แฟกซ์: 0-2751-4778

Carrier (Thailand) Ltd.

14-15th Fl., Nation Tower,
46/63-74 Bangna-Trad Road Km. 4.5, Bangna,
Bangkok 10260 Thailand
Tel.: 0-2751-4777 Fax: 0-2751-4778



YOUR CARRIER MAN :

Carrier reserves the right to make changes in specifications without prior notice.
บริษัทฯ ขอสงวนสิทธิ์ที่จะเปลี่ยนแปลงรายละเอียดข้างต้น โดยไม่ต้องแจ้งให้ทราบล่วงหน้า