



# ACHT-S-CD1S Series

AIR COOLED CHILLER UNIT  
102,000 - 840,000 BTU/HR



120,000 - 840,000 BTU/HR

R-410A  
Refrigerant

- Available in capacities range from 102,000 - 840,000 BTU/HR มีขนาดทำความเย็นให้เลือกตั้งแต่ 102,000 - 840,000 BTU/HR
- Temperature controller ระบบควบคุมอุณหภูมิแบบอัตโนมัติ
- Hermetic scroll compressor คอมเพรสเซอร์แบบหุ้มปิด
- กระจายความเย็นอย่างทั่วถึงพร้อมด้วยการประหยัดพลังงานที่มากกว่า

# ACHT-S-CD1S Series

## Protection

- Circuit Breaker
- Phase protection
- Internal Over Load
- Temperature Controller
- Gauge pressure
- Accumulation
- High pressure
- Low pressure
- Freeze protection

## SPECIFICATIONS STANDARD

**AIR COOLED CHILLER UNIT**  
102,000 - 840,000 BTU/HR



UNIT MODEL ๕๐			ACHT008S -CD1S	ACHT010S -CD1S	ACHT012S -CD1S	ACHT016S -CD1S	ACHT020S -CD1S	ACHT025S -CD1S	ACHT030S -CD1D	ACHT035S -CD1D	ACHT040S -CD1D	ACHT045S -CD1D	ACHT050S -CD1D	ACHT060S -CD1C	ACHT070S -CD1C	
NOMINAL COOLING CAPACITY	BTU/HR		102,000	120,000	144,000	192,000	240,000	300,000	360,000	420,000	480,000	540,000	600,000	720,000	840,000	
	KW		29.89	35.17	42.20	56.27	70.34	87.92	105.51	123.09	140.68	158.26	175.85	211.02	246.19	
	TON		8.50	10.00	12.00	16.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	60.00	70.00	
POWER SUPPLY	V/PH/HZ		380/3/50													
POWER COMSUMPTION	KW		10.14	11.55	13.05	19.45	21.80	26.55	29.50	37.20	43.60	53.10	53.10	69.39	79.65	
RUNNING CURRENT	A.		19.89	22.48	27.45	35.80	38.33	52.12	58.02	71.00	76.66	104.24	104.24	127.41	156.36	
COP	KW/KW		2.95	3.05	3.23	2.89	3.23	3.31	3.58	3.31	3.23	2.98	3.31	3.04	3.09	
ENERGY SAVING	KW/TR		1.19	1.16	1.09	1.22	1.09	1.06	0.98	1.06	1.09	1.18	1.06	1.16	1.14	
COMPRESSOR	TYPE		HERMETIC SCROLL COMPRESSOR													
QUANTITY	EA.		1	1	1	1	1	1	2	2	2	2	2	3	3	
FAN	TYPE		PROPELLER ALUMINIUM													
SIZE	INCH		24	24	24	28	28	28	26	28	28	28	28	28	28	
QUANTITY	EA.		2	2	2	2	2	2	3	4	4	4	4	6	6	
MOTOR	TYPE		INDUCTION													
POWER OUTPUT	KW		0.41	0.41	0.41	0.768	0.768	0.768	0.599	0.768	0.768	0.768	0.768	0.768	0.768	
RATED LOAD AMP.	A.		1.72	1.72	1.72	2.15	2.15	2.15	1.74	2.15	2.15	2.15	2.15	2.15	2.15	
QUANTITY	EA.		2	2	2	2	2	2	3	4	4	4	4	6	6	
COIL	TYPE		ALUMINIUM FIN													
QUANTITY	NO.		2	2	2	2	2	2	2	2	2	4	4	6	6	
ROW / FIN PITCH	ROW/FPI		2/16	2/16	3/16	2/16	3/16	3/16	3/14	3/16	3/16	3/16	3/16	3/16	3/16	
EVAPORATOR	TYPE		PLATE HEAT EXCHANGER						SHELL & TUBE							
QUANTITY CIRCUIT REFRIGERANT	NO.		1	1	1	1	1	1	2	2	2	2	2	3	3	
PIPE CONNECTION (IN)	INCH		1	1	1-1/4	1-1/4	1-1/4	2-1/2	2-1/2	3	3	3	4	4	4	
PIPE CONNECTION (OUT)	INCH		1	1	1-1/4	1-1/4	1-1/4	2-1/2	2-1/2	3	3	3	4	4	4	
WATER FLOW RATE	L/MIN		77	91	109	145	181	227	272	318	363	408	454	544	635	
TYPE OF GAS PERCHARGED	MATERIAL/FINISHED/CHARGE		ELECTRO GALVANIZED STEEL / POLYESTER PAINT / FULL CHARGE													
REFRIGERANT	TYPE		R-410A													
UNIT DIMENSION	WIDTH (W)	(MM.)	1,150	1,150	1,150	1,250	1,000	1,350	1,500	2,000	2,000	2,255	2,255	2,255	2,255	
	DEPTH (D)	(MM.)	1,780	1,780	1,780	2,300	2,300	2,400	2,680	2,650	2,650	2,680	2,680	3,950	3,950	
	HEIGHT (H)	(MM.)	1,675	1,675	1,675	2,100	2,100	2,100	2,100	2,110	2,110	2,200	2,200	2,200	2,200	
UNIT WEIGHT	KG.		430	430	460	590	620	890	1,165	1,240	1,370	1,550	1,620	2,385	2,400	

### Remarks

1. This specification is subjected to change without noticed
2. Cooling capacity is based on
  - 2.1 Water temperature inlet 12°C
  - 2.2 Water temperature outlet 7°C
3. Outdoor ambient air temperature 35°C DB / 24°C CWB

**SPECIFICATIONS AND INFORMATION IN THIS BROCHURE ARE SUBJECT TO CHANGE WITHOUT NOTICE**

รายละเอียดผลิตภัณฑ์อาจมีการเปลี่ยนแปลงโดยไม่ต้องแจ้งให้ทราบล่วงหน้า

ISO 50001 : 2018  
ISO 9001 : 2015  
ISO 14001 : 2015

ISO 45001 : 2018  
ISO/IEC 17025 : 2017

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