



## CONDENSING HEAT RECOVERY UNIT



**Model : ACRE Series**

Cooling Capacity : 12,000-60,000 BTUH / 3.52-17.58 KW

Heating Capacity : 3,600-18,000 BTUH / 1.06-5.28 KW

# GENERAL DATA

Model Number		ACRE12	ACRE20	ACRE25	ACRE371	ACRE373	ACRE50	ACRE60	
Cooling Capacity	Btu/hr	12,000	19,400	25,200	37,300	37,300	50,000	61,500	
	kW	3.52	5.69	7.39	10.93	10.93	14.65	18.02	
	kcal/hr	3,023	4,887	6,348	9,395	9,395	12,594	15,491	
Heat Recovery Capacity	Btu/hr	3,600	5,800	7,500	11,200	11,200	15,000	18,400	
	kW	1.06	1.70	2.20	3.28	3.28	4.40	5.39	
	kcal/hr	907	1,461	1,889	2,821	2,821	3,778	4,635	
Maximum Water Temperature	°C	45°C - 50°C							
Power Consumption	kW	3.61							
Compressor	Type	Rotary		Scroll					
Circuit	No.	1							
Compressor	No.	1							
Power Supply	V / Ph / Hz	220 / 1 / 50				380-415 / 3 / 50			
RLA	A	5.0	7.1	9.2	13.5	5.0	6.5	7.5	
FLA	A	6.2	9.6	12.9	17.1	7.1	9.1	10.0	
LRA	A	21	47	61	97	46	64	74	
Condenser Coil	Type	Aluminium Corrugate Coated Fin Inner Grooved Copper Tube							
Condenser Coil	Nos.	1							
Total Face Area	ft <sup>2</sup>	4.51	4.51	7.78	7.78	7.78	11.6	11.6	
Rows	rows	1.5	1.8	1.5	2	2	1.7	2	
Tube Size	In.	3/8							
Condenser Fan	Type	Propeller Fan							
Condenser Fan	Nos.	2							
Air Flow Rate	CFM	1,300	1,800	2,200	2,400	2,400	4,200	3,900	
Condenser Motor HP (each)	HP	1/20	1/10	1/10	1/8	1/8	1/10	1/10	
Condenser Motor	Nos.	1					2		
Power Supply	V / Ph / Hz	220 / 1 / 50							
FLA (each)	A	0.50	0.75	0.75	0.90	0.90	0.75	0.75	
Refrigerant	Type	R - 22							
Casing Cabinet	Type	Fiber Glass							
Heat Recovery	Type	Plate Heat Exchanger SM0254 High Corrosion Resistant							
Water Connection	Type	Plain End Tube							
Water Temperature Inlet / Outlet	°C	40°C / 45°C							
Water Inlet / Outlet	In.	1/2	3/4				1		
Dimension	(W) mm.	860	860	960	960	960	960	960	
	(D) mm.	300	300	350	350	350	350	350	
	(H) mm.	595	595	650	850	850	1,255	1,255	
Weight	kgs.	68	72	78	95	100	120	130	
Electrical Parts		Compressor starter and overload relay, Time delay relay, High-Low pressure , Outdoor Fan Speed							

**Note:**

- Nominal cooling capacity based on air entering 27°C DB / 19°C WB and 35°C ambient temperature
- Specifications subject to change without notice



Factory by H.L.M

## MAJOR AIR CONDITIONING CO., LTD

89 Moo 11, Soi Thanasit, Theparak Road, Bangpla, Bangplee, Samutprakarn 10540 Thailand  
 Tel: 0-2185-7254-5 Fax: 0-2185-7256 E-mail: info@majorair.co.th Website: http://www.majorair.co.th