

**MERKUR**<sup>®</sup>  
CLIMATISATION

THERMATE<sup>®</sup> Series  
Thermal Solar Airconditioners 230 V AC



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GERMAN TECHNOLOGY

# Merkur Thermal Air-Conditioners 230V AC



## **THERMATE® series** **Thermal Solar Airconditioner 230V AC**

**MERKUR** German Technology Thermal Air-Cons are:

- Microprocessor controlled and operating on AC power
- Compressor driven by special CPU. Infinite variable speed, high efficiency compressor
- Integrated thermal technology; energy saving up to 30%
- Low voltage power drive for all the electric parts, minimum energy loss
- R410a CFC free refrigerant, eco friendly, CFC free
- The operation is convenient and simple
- Intelligent Defrost Mode, Independent Dehumidification Mode, Sleep Mode
- Operating at low noise
- Auto Protect capability in case of malfunction and Auto Restart function
- Cooling Mode, optional Cooling & Heating Mode
- Infrared Ray long distance infrared Remote Control
- Self-protection function
- Power Supply: 220-240VAC, 50Hz/60Hz

# Merkur Thermal Air-Conditioners 230V AC

Model			ULG(S)-26GW	ULG(S)-32GW	ULG(S)-35GW	ULG(S)-52GW	ULG(S)-60GW	ULG(S)-72GW
			0.75 Tons	0.95 Tons	1 Tons	1.5 Tons	1.67 Tons	2 Tons
Capacity	Cooling	Btu/h	9000	11000	12000	18000	20000	24000
	Heating	W	2600	3200	3500	5200	6000	7200
	Indoor	Btu/h	10000	12000	13000	18800	22000	27000
	Outdoor	W	2900	3500	3800	5500	6600	7900
Noise	Indoor	db(A)	≤ 40	≤ 42	≤ 42	≤ 44	≤ 46	≤ 50
	Outdoor	db(A)	≤ 50	≤ 50	≤ 52	≤ 54	≤ 56	≤ 58
Air Circulation		m³/h	450	520	550	800	850	1050
Suitable Area		m²	11~17	13~21	15~23	26~36	25~42	30~48
EER		W/W	3,64	3,72	3,89	3,83	3,88	3,82
		Btu/h/w	12,42	12,69	13,27	13,07	13,24	13,03
Indoor operation Tem. cooling		C°	above 17 oC	above 17 oC	above 17 oC	above 17 oC	above 17 oC	above 17 oC
Outdoor operation Tem. cooling		C°	18 oC ~ 50 oC	18 oC ~ 50 oC	18 oC ~ 50 oC	18 oC ~ 50 oC	18 oC ~ 50 oC	18 oC ~ 50 oC
Indoor operation Tem. Heating		C°	below 31 oC	below 31 oC	below 31 oC	below 31 oC	below 31 oC	below 31 oC
Outdoor operation Tem. Heating		C°	-7 oC ~ 24 oC	-7 oC ~ 24 oC	-7 oC ~ 24 oC	-7 oC ~ 24 oC	-7 oC ~ 24 oC	-7 oC ~ 24 oC
<b>Power Consumption</b>								
Power Input	Cooling	W	650~770	780~940	800~1025	1150~1300	1350~1590	1700~1950
	Heating	W	650~780	780~950	800~1500	1150~1350	1350~1590	1700~1950
Rated Current	Cooling	A	2.95~3.50	3.55~4.27	3.64~4.66	5.53~5.92	6.14~7.09	7.73~8.64
	Heating	A	2.95~3.55	3.55~4.31	3.64~4.77	5.53~6.03	6.14~7.23	7.73~8.66
Vacuum Tube	Diam. x Length (mm) *Pcs		47x500 *10	47x500 *10	47x500 *10	47x620 *11	47x620 *11	47x620 *11
R410A & R22		kg	0,7	0,9	1	1,3	1,3	1,7
<b>Dimensions</b>								
Indoor Unit	Net	mm	775*260*210	775*260*210	775*260*210	1070*385*265	1070*385*265	1070*385*265
	Shipping	mm	840*325*265	840*325*265	840*325*265	1100*400*285	1100*400*285	1100*400*285
Outdoor Unit	Net	mm	790*260*540	790*260*540	790*260*540	850*300*755	850*300*755	850*300*755
	Shipping	mm	910*370*610	910*370*610	910*370*610	950*410*760	950*410*760	950*410*760
Water Tank	Shipping	mm	910*400*330	910*400*330	910*400*330	980*400*370	980*400*370	980*400*370
Vacuum Tube								
<b>Weight</b>								
Indoor Unit	Net/Gross	kg	8/10	10.5/13	10.5/13	17/18.5	17/18.5	21/23
Outdoor Unit	Net/Gross	kg	29/34	38/40	38/40	50/52	50/52	55/58
Solar Collector	Net/Gross	kg/kg	13/15	13/15	13/15	16/17	16/17	16/17
Loading Qty	in 20feet	sets	75	75	75	55	55	55
	40HQ	sets	175	175	175	125	125	125

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