

# Gas-Fired Unit Heaters

Series ARM



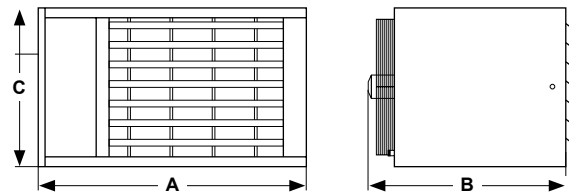
**SchwankAir**

# SchwankAir ARM - Unit Heater

## Gas-Fired Unit Heater Type ARH



- Modular burner system for a secure operation and longevity
- High efficient aluminized steel heat exchanger
- High performance axial fan for longevity
- 2-stage feature - saves energy and improves heating comfort
- Adjustable, vertical louvers for optimal air distribution
- Simple control - low cost due to easy control and installation
- Quiet
- White casing



TYPES		ARM 1H	ARM 2H	ARM 3H	ARM 4H	ARM 5H	ARM 6H	ARM 8H	
Gas Input	kW	14.2	20	27	34	50	60	80	
Nominal Output	kW	13.1	18.5	25	31.5	46.3	55.5	74	
Efficiency at Nominal heat output	%	92.5							
Minimal power	kW	10.5	14.8	20	25.2	37	44.4	59.2	
Efficiency at minimal power	%	92							
Warm Air Flow	m <sup>3</sup> /h	1.600	2.250	2.800	3.500	5.500	6.500	8.800	
Delta T° of air	°C	24.1	24.2	26.2	26.4	24.7	25.1	24.7	
Reach of air jet	m	12		16	23	28			
Flue / combustion connection	mm	80 / 125				130			
Supply voltage		Monophase 230 Volts / 50 Hz - IP42							
Electrical power	VA	290	300	310	320	500	580	750	
Electrical consumption	kW	0.055			0.080		0.100	0.150	
Seasonal efficiency	%	72.25	72.58	72.33	72.21	72.82	72.72	72.76	
Weight	kg	54	82		92	125	152	194	
Width A	mm	810	1040				1120		
Depth B	mm	780	800	820		840			
Height C	mm	356	460	460	510	700	820	1075	

### Min. connection pressure

Nat. gas H: 20 mbar  
 Nat. gas L: 25 mbar  
 LPG: 37 mbar

### Max. connection pressure

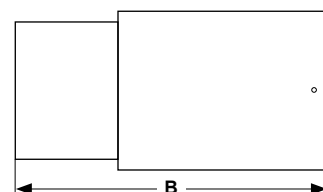
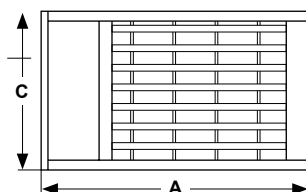
Nat.gas / LPG: 60 mbar

# SchwankAir ARM - Unit Heater

## Centrifugal-Gas-Fired Unit Heater Type ARC



- Modular burner system for a secure operation and longevity
- High performance radial fan made of aluminum for longevity
- High efficient aluminized steel heat exchanger
- Optional outside air connection for air renewal
- Simple control - low cost due to easy control and installation
- 2-stage modulation
- White casing
- Frame for channel outlet [or optional grid]
- Centrifugal fan with fan casing



TYPES		ARM 2C	ARM 3C	ARM 4C	ARM 5C	ARM 6C	ARM 8C
Gas Input	kW	20	27	34	50	60	80
Nominal Output	kW	18.5	25	31.5	46.3	55.5	74
Efficiency at nominal heat output	%	92.5					
Minimal power	kW	14.8	20	25.2	37	44.4	59.2
Efficiency at minimal power	%	92					
Warm Air Flow	m <sup>3</sup> /h	2.250	2.800	3.500	5.500	6.500	8.800
Delta T° of air	°C	24.2	26.2	26.4	24.7	25.1	24.7
Flue / combustion connection	mm	80 / 125			130		
Supply voltage		Mono-phase 230 Volts / 50 Hz - IP42					
Electrical power	VA	860	900	920	1350	1700	2400
Electrical consumption	kW	0.055		0.080			0.150
Seasonal efficiency	%	72,58	72,33	72,21	72,82	72.72	72.76
Weight	kg	99	117	125	165	180	260
Width A	mm	1040				1120	
Depth B	mm	1160			1260		1360
Height C	mm	460	460	510	700	820	1075

### Min. connection pressure

Nat. gas H: 20 mbar

Nat. gas L: 25 mbar

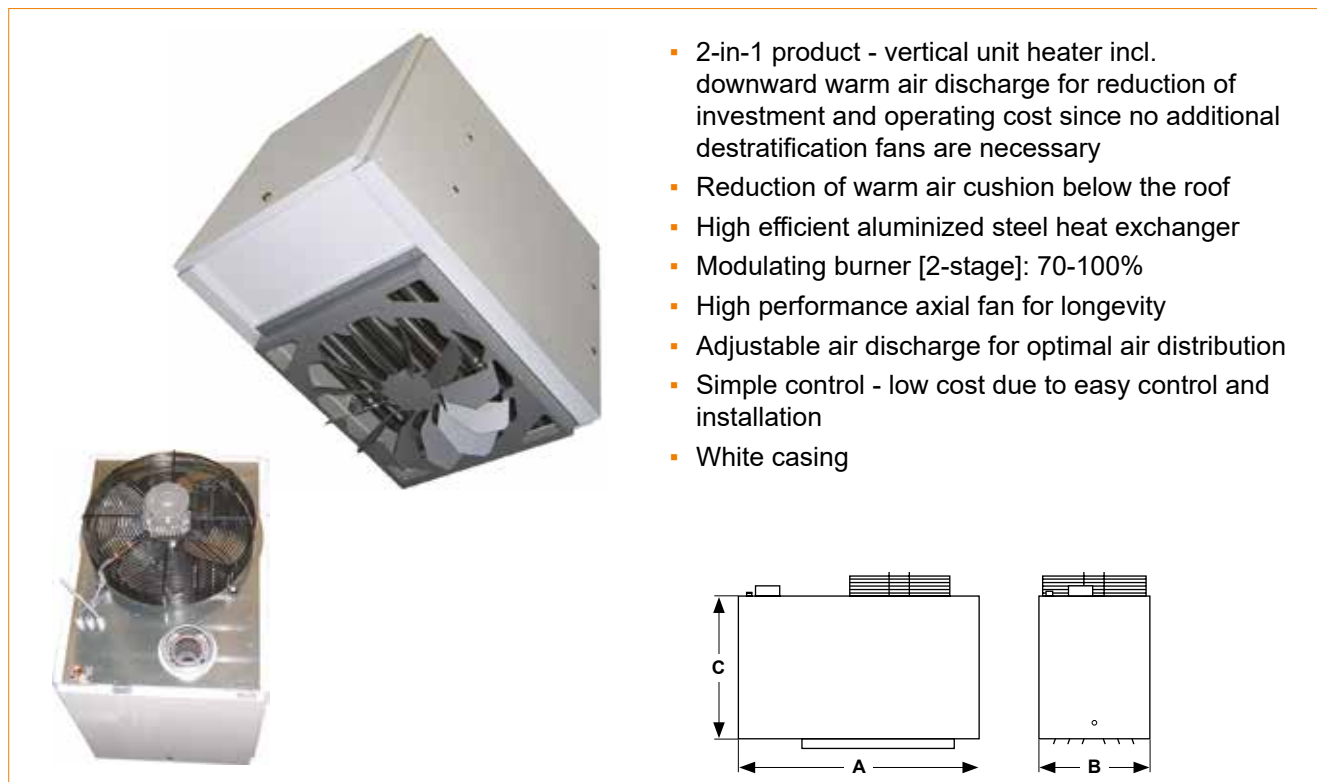
LPG: 37 mbar

### Max. connection pressure

Nat.gas / LPG: 60 mbar

## SchwankAir ARM - Unit Heater

### Suspended Gas-Fired Unit Heater with Downward Warm Air Discharge Type ARV



- 2-in-1 product - vertical unit heater incl. downward warm air discharge for reduction of investment and operating cost since no additional destratification fans are necessary
- Reduction of warm air cushion below the roof
- High efficient aluminized steel heat exchanger
- Modulating burner [2-stage]: 70-100%
- High performance axial fan for longevity
- Adjustable air discharge for optimal air distribution
- Simple control - low cost due to easy control and installation
- White casing

TYPES		ARM 3 V	ARM 4 V	ARM 5 V	ARM 6 V	ARM 8 V
Input	kW	27	34	50	60	80
Output	kW	25	31.5	46.3	55.5	74
Efficiency at nominal heat output	%	92.5				
Minimal power	kW	20	25.2	37	44.4	59.2
Efficiency at minimal power	%	92				
Warm Air Flow	m <sup>3</sup> /h	2.800	3.500	5.500	6.500	8.800
Delta T° of air	°C	26.2	26.4	24.7	25.1	24.7
Height installation	m	4/6		5/8	6/10	
Flue / combustion connection	mm	80 / 125		130		
Supply voltage		Mono-phase 230 Volts / 50 Hz - IP42				
Electrical power	VA	310	320	500	580	750
Electrical consumption	kW	0.055	0.080		0.100	0.150
Seasonal efficiency	%	72.33	72.21	72.82	72.72	72.76
Weight net	kg	82	92	125	152	194
Width A	mm	1040			1120	
Depth B	mm	700	840			
Height C	mm	460	510	700	820	1075

#### Min. connection pressure

Nat. gas H: 20 mbar  
 Nat. gas L: 25 mbar  
 LPG: 37 mbar

#### Max. connection pressure

Nat.gas / LPG: 60 mbar

# SchwankAir ARM - Destratification Fan

## Destratification Fan Type SDS



- Energy savings of up to 30% due to downward warm air
- Discharge for a balanced temperature distribution
- Attached thermostat for automatic control
- Air circulation from 3 800 to 10 800 m<sup>3</sup>/h
- Installation height up to 10 m
- Adjustable air discharge for optimal air distribution
- Simple control - low cost due to easy control and installation
- White casing

Type		SDS 4	SDS 6	SDS 10
Air circulation	m <sup>3</sup> /h	3 600	5 500	9 400
Velocity	Upm	900	900	900
Installation height max.	m	4	6	10
Sound pressure level	dB [A]	41	48	51
Weight	kg	18	21	36
Electrical supply	Volt	Single-phase alternating current 230 V, N, PE, 50 cycles		
Number of fans	Pcs.	1	1	2

## Innovative. Experienced. Competent.

### ■ Experience creates security.

Schwank is recognised worldwide as a manufacturer of high quality, economically viable industrial heating and cooling systems. As the market leader of gas infrared heaters, Schwank has extensive experience in dealing with heating systems. 150 000 satisfied customers and two million heaters sold worldwide speak for themselves. [see references at [www.schwank.co.uk](http://www.schwank.co.uk)]

As a German manufacturer, we stand by our claim: to provide products and services with the highest quality.



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