

## AXIAL FAN CONDENSER COMMERCIAL RANGE

Bars / Restaurants  
Corner shops - Mini-markets



HFC

7.5 > 99 kW

# WA

- Painted casing and corrosion-resistant, stainless steel screws.
- Very low noise 12 and 16 pole models.
- 2-speed, axial fans.
- 2 blowing directions: horizontal or vertical installation as standard.
- Modular product comprising 34 models: 13 types of coils and 4 types of fans.



## DESCRIPTION

### Casing

- Made of galvanized sheet steel, the condensers of the WA range are extremely well protected against corrosion thanks to the UV-resistant, polyester paint coating, as well as the use of white pre-painted, galvanized sheet steel.
- Components (fans, heat-exchanger coil) are fitted with stainless steel screws offering excellent corrosion resistance.

### Ventilation

- The condensers of the WA range are equipped with axial fans:
  - Ø 500 mm, 2 speeds:**
    - 04/06P = 1,500/1,000 rpm.
    - 08/12P = 750/500 rpm.
  - Ø 630 mm, 2 speeds:**
    - 04/06P = 1,500/1,000 rpm.
    - 06/08P = 1,000/750 rpm.
    - 08/12P = 750/500 rpm.
    - 16P = 375 rpm.
- 400 V, 3-phase, 50 Hz (50-60 Hz for 08/12P and 12/16P motors), monoblock, external rotor, with incorporated thermal overload protection, IP 54, class F.
- The high-efficiency, profiled fan blades turn at a very low noise level.
- The protection guards are compliant with safety standards.
- 2-speed motor connection: Δ = high speed, Y = low speed.

### Coil

- The condensers of the WA range are equipped with a compact, high-efficiency, finned coil composed of staggered, grooved tubes placed in the air flow and with profiled aluminium fins, spacing 2.12 mm, optimizing the heat exchange coefficient.

## CERTIFICATIONS



## DESIGNATION

# WA 39 <sup>(1)</sup> 04/06P <sup>(2)</sup>

(1) Model

(2) **04/06P** = 1,500/1,000 rpm - **06/08P** = 1,000/750 rpm  
**08/12P** = 750/500 rpm - **16P** = 375 rpm

## ADVANTAGES

### Installation

The unit may be installed in horizontal or vertical position with standard legs.

The coil and fan units may be delivered separately.

### Servicing / Maintenance

Fans of the "plug" type for easy maintenance.

External-rotor, axial fans require no specific maintenance.

Kit	Factory
IRP	Rotary proximity switch(es).
M60	Fan 400 V/3/60 Hz.
MM5	Fan 230 V/1/50 Hz - 04/06P - 06/08P - 08/12P.
M23*	Fan 230 V/3/50 Hz - 04/06P.
M24*	Fan 230 V/3/50-60 Hz - 08/12P.
BXT	Blygold Polual XT coil protection.

## OPTIONS

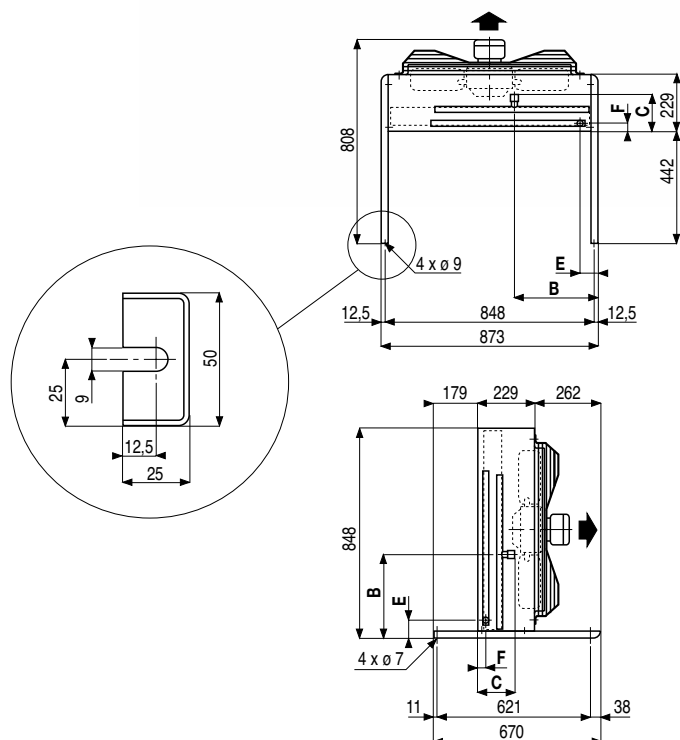
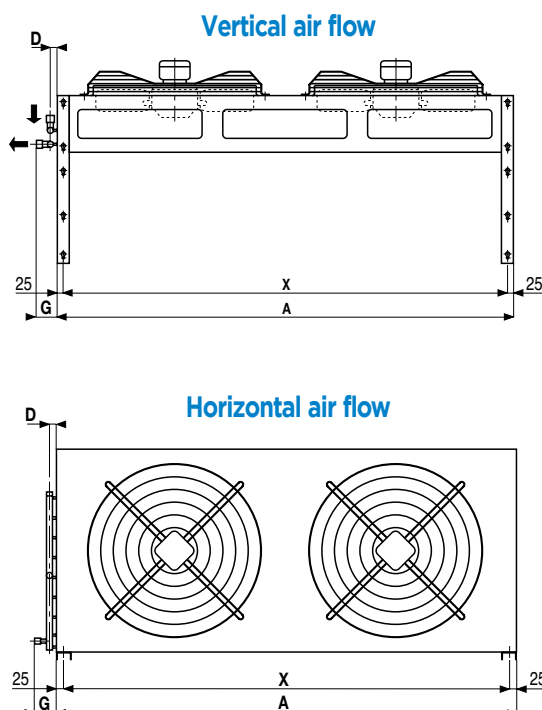
### Ventilation

- IRP Rotary proximity switch(es).
- M60 Fan 400 V/3/60 Hz.
- MM5 Fan 230 V/1/50 Hz - 04/06P - 06/08P - 08/12P.
- M23\* Fan 230 V/3/50 Hz - 04/06P.
- M24\* Fan 230 V/3/50-60 Hz - 08/12P.

### Coil

- BXT Blygold Polual XT coil protection.

\* Fans not kept on stock.



## WA .. 04P/06P (1,500/1,000 rpm.)

		WA ..	15	19	22	30	39	44	48	58	67	54	59	81	95		
Capacity	DT1 = 15K	04P (Δ)	kW	14,1	18,6	21,1	28,6	37,0	42,5	43,6	55,1	61,6	54,2	60,2	81,4	93,0	
		R404A	06P (Y)	kW	12,7	16,2	18,0	25,6	32,3	36,2	38,9	48,4	53,1	48,4	53,4	72,7	81,7
Surface			m <sup>2</sup>	18	26	35	35	53	70	53	79	105	72	95	107	143	
Circuit volume			dm <sup>3</sup>	3	4	6	6	9	12	9	13	18	12	16	18	24	
Fan *	Air flow	04P (Δ)	m <sup>3</sup> /h	7500	6940	6450	15010	13870	12910	22520	20810	19360	21350	19480	32030	29230	
		06P (Y)	m <sup>3</sup> /h	6050	5510	5070	12100	11020	10130	18140	16540	15200	17510	16010	26260	24010	
			Nb x mm	1 x ∅ 500	1 x ∅ 500	1 x ∅ 500	2 x ∅ 500	2 x ∅ 500	2 x ∅ 500	2 x ∅ 500	3 x ∅ 500	3 x ∅ 500	3 x ∅ 500	2 x ∅ 630	2 x ∅ 630	3 x ∅ 630	3 x ∅ 630
Energy efficiency class		04P (Δ)		E	E	E	E	E	E	E	E	E	E	E	E	E	
		06P (Y)		E	E	D	E	E	D	E	E	D	E	E	E	E	
Acoustic	Lw (1)	04P (Δ)	dB(A)	74	73	73	77	76	76	79	78	78	93	93	95	95	
		06P (Y)	dB(A)	69	68	68	72	71	71	74	72	72	85	85	87	87	
	Lp (2)	04P (Δ)	dB(A)	43	42	42	46	45	45	47	46	46	62	62	63	63	
		06P (Y)	dB(A)	38	37	36	41	40	39	42	41	41	54	54	55	55	
Net weight		kg	36	40	44	63	72	80	92	104	116	93	103	137	152		
Dimensions	Circuits		Nb	2	4	4	4	6	8	8	8	8	8	8	12	16	
		A	mm	730	730	730	1390	1390	1390	2050	2050	2050	1870	1870	2770	2770	
		B	mm	240	520	340	340	495	390	390	390	470	390	470	390	455	455
		C	mm	150	150	150	150	155	155	155	155	155	150	150	160	160	
		D	mm	20	25	25	25	30	30	30	30	30	25	25	50	50	
		E	mm	55	40	55	55	45	55	55	45	55	45	55	45	60	
		F	mm	73	53	34	73	53	34	73	53	34	53	34	53	34	
		G	mm	78	81	81	81	88	88	92	88	88	85	85	115	115	
		X	mm	680	680	680	1340	1340	1340	2000	2000	2000	1820	1820	2720	2720	
Inlet		ODF (4)	1/2"	5/8"	5/8"	3/4"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"		
Outlet		ODF (4)	1/2"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"		

\* ∅ 500 mm - 400 V/3/50 Hz - Δ : 710 W max - 1,4 A max (3) - Y : 480 W max - 0,8 A max (3) / ∅ 630 mm - 400 V/3/50 Hz - Δ : 1900 W max - 3,2 A max (3) - Y : 1350 W max - 2,2 A max (3)

## WA .. 06P/08P (1,000/750 rpm.)

		WA ..	41	42	57	65	
Capacity	DT1 = 15K	06P (Δ)	kW	39,7	43,3	59,7	65,3
		R404A	08P (Y)	kW	34,5	36,7	51,9
Surface			m <sup>2</sup>	72	95	107	143
Circuit volume			dm <sup>3</sup>	12	16	18	24
Fan *	Air flow	06P (Δ)	m <sup>3</sup> /h	12800	11630	19200	17440
		08P (Y)	m <sup>3</sup> /h	10300	9270	15440	13910
			Nb x mm	2 x ∅ 630	2 x ∅ 630	3 x ∅ 630	3 x ∅ 630
Energy efficiency class		06P (Δ)		D	D	D	D
		08P (Y)		D	C	D	D
Acoustic	Lw (1)	06P (Δ)	dB(A)	83	83	85	85
		08P (Y)	dB(A)	77	77	79	79
	Lp (2)	06P (Δ)	dB(A)	52	52	53	53
		08P (Y)	dB(A)	46	46	47	47
Net weight		kg	89	99	131	146	
Dimensions	Circuits		Nb	8	8	12	16
		A	mm	1870	1870	2770	2770
		B	mm	470	390	455	455
		C	mm	150	150	160	160
		D	mm	25	25	50	50
		E	mm	45	55	45	60
		F	mm	53	34	53	34
		G	mm	85	85	115	115
		X	mm	1820	1820	2720	2720
Inlet		ODF (4)	1 1/8"	1 1/8"	1 3/8"	1 3/8"	
Outlet		ODF (4)	7/8"	1 1/8"	1 1/8"	1 1/8"	

\* ∅ 630 mm - 400 V/3/50 Hz - Δ : 420 W max - 0,78 A max (3) - Y : 300 W max - 0,5 A max (3)

(1) Sound pressure level in dB(A), obtained in compliance with standard NF EN 13487 (parallelepiped reference surface).

(2) Sound pressure level in dB(A) measured at 10 m, line of sight, on a reflective parallelepiped measurement surface, given for information only.

Values measured under nominal operating conditions with clean coils and rated voltage.

(3) Setting of overload protection levels.

(4) ODF = Female to receive a tube of the same diameter.

IRP	M60	MM5	M23	M24	BXT
0	0	0	0	-	0

WA ..		08P/12P (750/500 rpm.)														
WA ..		10	13	14	21	26	27	32	37	40	34	36	47	51		
Capacity	DT1 = 15K	08P (Δ)	kW	8,8	10,6	11,3	17,8	21,2	22,8	26,7	31,9	34,0	34,3	37,1	51,5	56,1
		12P (Y)	kW	7,8	9,0	9,6	15,6	18,3	19,0	23,4	27,4	28,5	27,8	28,9	41,6	43,5
Surface			m <sup>2</sup>	18	26	35	35	53	70	53	79	105	72	95	107	143
Circuit volume			dm <sup>3</sup>	3	4	6	6	9	12	9	13	18	12	16	18	24
Fan *	Air flow	08P (Δ)	m <sup>3</sup> /h	3230	2940	2710	6460	5880	5420	9690	8820	8130	10170	9400	15250	14100
		12P (Y)	m <sup>3</sup> /h	2620	2390	2180	5250	4780	4360	7880	7170	6550	7540	6800	11300	10200
			Nb x mm	1 x Ø 500	1 x Ø 500	1 x Ø 500	2 x Ø 500	2 x Ø 500	2 x Ø 500	3 x Ø 500	3 x Ø 500	3 x Ø 500	2 x Ø 630	2 x Ø 630	3 x Ø 630	3 x Ø 630
Energy efficiency class		08P (Δ)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
		12P (Y)	C	B	B	C	B	B	C	B	B	C	C	C	C	C
Acoustic	Lw (1)	08P (Δ)	dB(A)	66	66	66	69	69	69	71	71	71	67	67	69	69
		12P (Y)	dB(A)	58	58	58	61	61	61	63	63	63	60	60	62	62
	Lp (2)	08P (Δ)	dB(A)	35	35	35	38	38	38	39	39	39	35	36	37	37
		12P (Y)	dB(A)	27	27	27	30	30	30	32	32	32	29	29	30	30
Net weight		kg	36	40	44	63	72	80	92	104	116	89	99	131	146	
Circuits		Nb	2	4	4	4	6	8	8	8	8	8	8	12	16	
Dimensions	A		mm	1/2"	5/8"	5/8"	3/4"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"
	B		mm	1/2"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"
	C		mm	150	150	150	150	155	155	155	155	155	150	150	160	160
	D		mm	20	25	25	25	30	30	30	30	30	25	25	50	50
	E		mm	55	40	55	55	45	55	55	45	55	45	55	45	60
	F		mm	73	53	34	73	53	34	73	53	34	53	34	53	34
	G		mm	78	81	81	81	88	88	92	88	88	85	85	115	115
	X		mm	680	680	680	1340	1340	1340	2000	2000	2000	1820	1820	2720	2720
Inlet		ODF (4)	1/2"	5/8"	5/8"	3/4"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"	
Outlet		ODF (4)	1/2"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	

\* Ø 500 mm - 400 V/3/50-60 Hz - Δ : 120 W max - 0,35 A max (3) - Y : 80 W max - 0,16 A max (3) / Ø 630 mm - 400 V/3/50-60 Hz - Δ : 235 W max - 0,55 A max (3) - Y : 140 W max - 0,27 A max (3)

WA ..		16P (375 rpm.)					
WA ..		23	24	28	29		
Capacity	R404A DT1 = 15K	16P (Y)	kW	20,4	20,8	30,6	31,2
Surface			m <sup>2</sup>	72	95	107	143
Circuit volume			dm <sup>3</sup>	12	16	18	24
Fan *	Air flow	16P (Y)	m <sup>3</sup> /h	5000	4560	7500	6840
			Nb x mm	2 x Ø 630	2 x Ø 630	3 x Ø 630	3 x Ø 630
Energy efficiency class		16P (Y)	B	B	B	B	
Acoustic	Lw (1)	16P (Y)	dB(A)	57	57	59	59
	Lp (2)	16P (Y)	dB(A)	26	26	27	27
Net weight			kg	89	99	131	146
Circuits			Nb	8	8	12	16
Dimensions	A		mm	1870	1870	2770	2770
	B		mm	470	390	455	455
	C		mm	150	150	160	160
	D		mm	25	25	50	50
	E		mm	45	55	45	60
	F		mm	53	34	53	34
	G		mm	85	85	115	115
	X		mm	1820	1820	2720	2720
Inlet			ODF (4)	1 1/8"	1 1/8"	1 3/8"	1 3/8"
Outlet			ODF (4)	7/8"	1 1/8"	1 1/8"	1 1/8"

\* Ø 630 mm - 400 V/3/50-60 Hz - Y : 90 W max - 0,2 A max (3)

- (1) Sound pressure level in dB(A), obtained in compliance with standard NF EN 13487 (parallelepiped reference surface).
- (2) Sound pressure level in dB(A) measured at 10 m, line of sight, on a reflective parallelepiped measurement surface, given for information only. Values measured under nominal operating conditions with clean coils and rated voltage.
- (3) Setting of overload protection levels.
- (4) ODF = Female to receive a tube of the same diameter.

IRP	M60	MM5*	M23	M24	BXT
0	0	0	-	0	0

\* Except for WA .. 12P - 16P