

AIR CONDENSED CHILLERS



AFC

HFC 407 C
ecological refrigerant



PROFILE - AFC

The AFC Series air condensed chillers, have been designed to produce process cooled water for the cooling of industrial plants on closed or open circuit.

They are completely independent enbloc units consisting of a structure built in treated and painted steel with epoxy.

The machine are equipped with hermetic compressor orbiting spiral which ensures a reduction of energy consumption and a reduction of vibrations, greatly improving the sound effect product.

The condenser fan with high efficiency copper tubes and aluminium fins over a large area, the axial fans and thermostatic expansion valve ensure a better functioning of the refrigerator in all conditions, even within the production departments.

The special construction guarantees high efficiencies thanks to a very low power consumption even in extreme conditions of use.



AIR CONDENSED CHILLERS

TECHNICAL DATA - AFC

Model (1)	Cooling capacity (2)		Cooling capacity (3)		Compressor		EER	Gas	Pump				Fan		Tank	Pipe connections	
	kW	kcal/h	kW	kcal/h	n°	kW (2)			kW/kW (2)	n°	kW	lt/min	bar	n°			kW
AFC 10	10,9	9.380	7,1	6.060	1	2,1	5,2	R407c	1	0,50	11,7-40,0	4,8-2,4	1	0,6	6.200	25	3/4"
AFC 15	17,3	14.880	11,4	9.790	1	2,9	5,9	R407c	1	0,50	11,7-40,0	4,8-2,4	1	0,6	4.800	25	1"
AFC 20	22,5	19.350	13,9	11.910	1	4,9	4,6	R407c	1	0,75	20,0-70,0	5,5-2,6	1	0,6	4.800	25	1"
AFC 30	29,5	25.370	19,1	16.430	1	5,0	5,9	R407c	1	0,75	20,0-70,0	5,5-2,6	2	1,2	8.800	25	1 1/4"
AFC 40	39,0	33.540	25,0	21.500	1	7,5	5,2	R407c	1	1,10	40,0-120,0	5,3-2,1	2	1,2	8.800	25	1 1/4"
AFC 50	50,2	43.170	32,1	27.610	1	9,1	5,5	R407c	1	1,50	50,0-150,0	4,9-2,9	2	1,2	14.500	25	1 1/4"
AFC 60	59,3	51.000	37,9	32.640	1	10,8	5,5	R407c	1	1,50	50,0-150,0	4,9-2,9	2	1,6	16.500	25	1 1/2"

(1) - Standard electric alimentation 400V-3Ph-50Hz - Special on request

(2) - Water of temperature 15°C - Ambient temperature 25°C

(3) - Water of temperature 7°C - Ambient temperature 35°C

DIMENSIONS - WEIGHT - SOUND LEVEL

Model	Dimensions			Net weight	Sound level (4)
	L mm	P mm	H mm		
AFC 10	540	912	1.325	170	63
AFC 15	540	912	1.325	180	66
AFC 20	540	912	1.325	190	66
AFC 30	540	1.280	1.445	315	68
AFC 40	540	1.280	1.445	330	68
AFC 50	840	1.580	1.545	420	68
AFC 60	840	1.580	1.545	460	69

(4) - Sound pressure level at 1 m - UNI 7712



NOVA FRIGO Engineering S.r.l.

Via Montebello, 5/D
25017 - LONATO (BS) - ITALIA
Tel: (+39) 030 99 13 250
Fax: (+39) 030 99 19 043
e-mail: info@novafrigo.it
www.novafrigo.it