

TECHNICAL DATA – POWER SUPPLY FROM NETWORK

MODEL	0021					0031			
AIR FLOW (1)	U					U			
COOLING CAPACITY (2)		100%	80%	60%	45%	100%	80%	60%	45%
Total	kW	8,51	6,81	5,11	3,71	9,53	7,62	5,72	4,00
Sensible	kW	6,82	5,55	4,23	3,25	7,09	5,74	4,30	3,04
SHR (3)		0,80	0,81	0,83	0,88	0,74	0,75	0,75	0,76
Total power input (Comp. + Fans)	kW	3,01	2,29	1,72	1,32	3,36	2,46	2,01	1,58
SUPPLY FANS	n.	1				1			
Fan type		Radial AC				Radial AC			
Air flow	m³/h	1600	1316	1033	800	1600	1324	1049	800
Nominal external static pressure	Pa	20	20	20	20	20	20	20	20
Maximum external static pressure	Pa	99	--	--	--	68	--	--	--
Power input (4)	kW	0,24	0,19	0,14	0,10	0,26	0,20	0,15	0,10
BLDC INVERTER COMPRESSOR		Rotativo				Rotativo			
Quantity	n.	1				1			
Power input	kW	2,04	1,38	0,86	0,49	2,37	1,54	1,13	0,75
CONDENSER FAN	n.	1				1			
Fan type		Centrifugo AC				Centrifugo AC			
Air flow	m³/h	2500				2600			
Power input (4)	kW	0,73				0,73			
AIR FILTERS	n.	1				1			
Efficiency		EU3				EU3			
REFRIGERANT		R410A				R410A			
Gas circuit	n.	1				1			
POWER SUPPLY	V/Ph/Hz	230/1/50				230/1/50			
ENERGY INDEX (2)									
EER = Energy Efficiency Ratio	kW/kW	2,83	2,97	2,97	2,81	2,84	3,10	2,85	2,53
DIMENSIONS									
UNDER Length	mm	650				650			
UNDER Width	mm	650				650			
UNDER Height	mm	2000				2000			
NET WEIGHT UNDER	kg	180				180			
CONDENSATE DISCHARGE	F Ø	1/2"				1/2"			

THE COOLING CAPACITY DOES NOT CONSIDER THE SUPPLY FAN MOTOR THERMAL LOAD

1. U = Under
2. Gross value. Characteristics referred to entering air at 27°C with 50%RH and ambient air temperature 35°C. ESP=20Pa.
3. SHR = Sensible cooling capacity / Total cooling capacity.
4. Corresponding to the nominal external static pressure.

The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gases

NOTE:

Below the indicated minimum cooling capacity, the inverter compressor enters the "cycling" area in which the compressor operates with ON / OFF cycles below the minimum modulation frequency (operation only for short periods).

SELECT THE UNIT IN THE MODULATION FIELD.

TECHNICAL DATA – POWER SUPPLY FROM NETWORK

MODEL	0051						0061				
AIR FLOW (1)	U						U				
COOLING CAPACITY (2)	100%	80%	60%	40%	35%		100%	80%	60%	40%	
Total	kW	12,30	9,84	7,38	4,92	4,36	15,10	12,10	9,06	6,58	
Sensible	kW	10,70	8,80	6,71	4,70	3,36	12,80	10,40	7,81	6,16	
SHR (3)		0,87	0,89	0,91	0,96	0,77	0,85	0,86	0,86	0,94	
Total power input (Comp. + Fans)	kW	4,41	3,31	2,41	1,77	1,62	6,47	4,23	2,97	2,10	
SUPPLY FANS	n.	1						2			
Fan type	Radial EC						Radial EC				
Air flow	m³/h	3200	2704	2209	1713	1600	3200	2633	2066	1600	
Nominal external static pressure	Pa	20	20	20	20	20	20	20	20	20	
Maximum external static pressure	Pa	194	--	--	--	--	72	--	--	--	
Power input (4)	kW	0,48	0,32	0,19	0,10	0,08	0,98	0,60	0,33	0,17	
BLDC INVERTER COMPRESSOR	Rotativo						Scroll				
Quantity	n.	1						1			
Power input	kW	3,18	2,24	1,47	0,92	0,79	4,66	2,80	1,81	1,10	
CONDENSER FAN	n.	1						1			
Fan type	Radial AC						Radial AC				
Air flow	m³/h	4500						4500			
Power input (4)	kW	0,75						0,83			
AIR FILTERS	n.	1						1			
Efficiency	EU3						EU3				
REFRIGERANT	R410A						R410A				
Gas circuit	n.	1						1			
POWER SUPPLY	V/Ph/Hz	230/1/50						400/3+N/50			
ENERGY INDEX (2)											
EER = Energy Efficiency Ratio	kW/kW	2,79	2,97	3,06	2,78	2,69	2,33	2,86	3,05	3,13	
DIMENSIONS											
UNDER Length	mm	895						895			
UNDER Width	mm	750						750			
UNDER Height	mm	2050						2050			
NET WEIGHT UNDER	kg	270						280			
CONDENSATE DISCHARGE	F Ø	1/2"						1/2"			

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