TECHNICAL DATA – POWER SUPPLY FROM NETWORK

MODEL		0021				0031			
COOLING CAPACITY (1)		**100%**	**80%**	**60%**	**45%**	**100%**	**80%**	**60%**	**45%**
Total	**kW**	**8,64**	**6,91**	**5,18**	**3,81**	**9,73**	**7,78**	**5,84**	**4,37**
Sensible	**kW**	**6,88**	**5,48**	**4,17**	**3,15**	**7,29**	**5,83**	**4,50**	**3,50**
SHR (2)		0,80	0,79	0,81	0,83	0,75	0,75	0,77	0,80
Total power input (Comp. + Fans)	kW	2,34	1,65	1,15	0,77	2,72	1,87	1,44	1,03
SUPPLY FAN	n.	1				1			
Fan type		Centrifugal AC				Centrifugal AC			
Air flow	m³/h	1600	1314	1028	800	1600	1310	1019	800
Nominal available static pressure	Pa	20	20	20	20	20	20	20	20
Maximum available static pressure	Pa	20	--	--	--	20	--	--	--
Power input (3)	kW	0,21	0,19	0,17	0,15	0,21	0,19	0,17	0,15
BLDC INVERTER COMPRESSOR		Rotary				Rotary			
Quantity	n.	1				1			
Power input	kW	2,00	1,33	0,85	0,49	2,38	1,56	1,14	0,75
CONDENSER FAN	n.	1				1			
Fan type		Axial AC				Axial AC			
Air flow	m³/h	3200				3200			
Nominal available static pressure		0				0			
Power input (3)	kW	0,13				0,13			
AIR FILTERS	n.	1				1			
Efficiency		EU3				EU3			
REFRIGERANT		R410A				R410A			
Gas circuit	n.	1				1			
POWER SUPPLY									
Indoor unit	V/Ph/Hz	230/1/50				230/1/50			
Outdoor unit	V/Ph/Hz	230/1/50				230/1/50			
ENERGY INDEX (1)									
EER = Energy Efficiency Ratio	kW/kW	3,69	4,19	4,50	4,95	3,58	4,16	4,06	4,24
DIMENSIONS INDOOR UNIT									
Length	mm	1060				1060			
Length with free-cooling	mm	1500				1500			
Width	mm	990				990			
Height	mm	310				310			
NET WEIGHT INDOOR UNIT									
Without free-cooling	kg	74				74			
With free-cooling	kg	85				85			
DIMENSION OUTDOOR UNIT									
Length	mm	900				900			
Width	mm	420				420			
Height	mm	990				990			
NET WEIGHT OUTDOOR UNIT	kg	93				87			
CONDENSATE DISCHARGE	F Ø	1/2"				1/2"			
REFRIGERANT CONNECTIONS									
Liquid return	Ø	3/8"				3/8"			
Gas suction	Ø	5/8"				5/8"			

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

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

The units highlighted in this publication contain <HFC R410A [GWP_{100} 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					0071			
COOLING CAPACITY (1)		**100%**	**80%**	**60%**	**40%**	**35%**	**100%**	**80%**	**60%**	**40%**
Total	**kW**	**12,60**	**10,10**	**7,56**	**5,04**	**4,85**	**17,30**	**13,80**	**10,40**	**6,97**
Sensible	**kW**	**11,00**	**9,32**	**7,20**	**4,96**	**4,85**	**15,40**	**12,60**	**9,33**	**6,97**
SHR (2)		0,87	0,92	0,95	0,98	1,00	0,89	0,91	0,90	1,00
Total power input (Comp. + Fans)	kW	3,95	2,83	1,90	1,27	1,22	5,30	3,77	2,67	1,82
SUPPLY FAN	n.			2					2	
Fan type				Radial AC					Radial AC	
Air flow	m³/h	3200	2680	2159	1639	1600	3900	3247	2594	1950
Nominal available static pressure	Pa	20	20	20	20	20	20	20	20	20
Maximum available static pressure	Pa	46	--	--	--	--	34	--	--	--
Power input (3)	kW	0,52	0,40	0,29	0,19	0,19	0,54	0,41	0,30	0,19
BLDC INVERTER COMPRESSOR				Rotary					Scroll	
Quantity	n.			1					1	
Power input	kW	3,18	2,17	1,35	0,82	0,78	4,23	2,83	1,84	1,10
CONDENSER FAN	n.			2					1	
Fan type				Axial AC					Axial AC	
Air flow	m³/h			6400					8640	
Nominal available static pressure				0					0	
Power input (3)	kW			0,25					0,53	
AIR FILTERS	n.			1					1	
Efficiency				EU3					EU3	
REFRIGERANT				R410A					R410A	
Gas circuit	n.			1					1	
POWER SUPPLY										
Indoor unit	V/Ph/Hz			230/1/50					230/1/50	
Outdoor unit	V/Ph/Hz			230/1/50					400/3+N/50	
ENERGY INDEX (1)										
EER = Energy Efficiency Ratio	kW/kW	3,19	3,57	3,98	3,97	3,98	3,26	3,66	3,90	3,83
DIMENSIONS INDOOR UNIT										
Length	mm			1236					1236	
Length with free-cooling	mm			1523					1618	
Width	mm			1100					1340	
Height	mm			405					450	
NET WEIGHT INDOOR UNIT										
Without free-cooling	kg			107					125	
With free-cooling	kg			120					155	
DIMENSION OUTDOOR UNIT										
Length	mm			900					1200	
Width	mm			420					550	
Height	mm			1240					1450	
NET WEIGHT OUTDOOR UNIT	kg			102					109	
CONDENSATE DISCHARGE	F Ø			1/2"					1/2"	
REFRIGERANT CONNECTIONS										
Liquid return	Ø			1/2”					16,2 ODS	
Gas suction	Ø			3/4”					22,2 ODS	

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