Air supply UNDER / OVER

Air supply (1)		U / O	U / O	U / O	U / O	U / O
MODEL		**029**	**040**	**051**	**052**	**067**
FRAME		**M**	**M**	**M**	**L**	**L**
COOLING CAPACITY (2)		**100%**	**100%**	**100%**	**100%**	**100%**
Total	[kW]	29,0	40,2	51,1	52,2	66,6
Sensible	[kW]	29,0	40,2	51,1	52,2	66,6
SHR (3)		1,00	1,00	1,00	1,00	1,00
Total power input (Comp. + Fans.)	[kW	7,23	10,7	15,6	13,1	18,4
"EC" SUPPLY FANS	[n]	1	1	1	2	2
Air flow	[m^3/h]	8000	10500	11000	14750	17000
Nominal external static pressure	[Pa]	20	20	20	20	20
Power input (4)	[kW]	0,80	1,61	1,85	2,16	3,20
COMPRESSOR		Scroll	Scroll	Scroll	Scroll	Scroll
BLDC compressor	[n]	1	1	1	1	1
ON/OFF compressor	[n]	0	0	0	0	1
Cooling capacity control		Modulating	Modulating	Modulating	Modulating	Modulating
Compressor power input	[kW]	6,43	9,08	13,7	11,0	15,2
AIR FILTERS	[n]	2	2	2	3	3
Efficiency (ISO EN 16890)	COARSE	60%	60%	60%	60%	60%
GAS circuits	[n]	1	1	1	1	1
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ENERGY EFFICIENCY INDEX (2)						
EER - Energy Efficiency Ratio (5)	[kW/kW]	4,01	3,76	3,28	3,98	3,62
DIMENSIONS						
Length	[mm]	1142	1142	1142	1600	1600
Width	[mm]	885	885	885	885	885
Height	[mm]	1980	1980	1980	1980	1980
NET WEIGHT Over	[kg]	363	372	375	459	502
NET WEIGHT Under	[kg]	372	380	383	477	520
REFRIGERANT CONNECTIONS						
gas supply	[mm Ø]	18	22	22	22	28
Liquid return	[mm Ø]	16	18	18	18	18
HYDRAULIC CONNECTIONS						
CONDENSATE DISCHARGE						
Rubber pipe – internal diameter	[mm Ø]	19	19	19	19	19

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

1. U = Under, Downflof / O = Over, Upflow
2. Gross value. Parameters referred to entering air at 30°C - 35% RH; condensing temperature 45°C; ESP=20Pa.
3. SHR = Sensible cooling capacity / Total cooling capacity
4. Corresponding to the nominal external static pressure.
5. The Energy Efficiency Index does not consider the remote air-cooled condenser.

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

NOTE:
Below 30% of 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.

Air supply (1)		U / O	U / O	U / O	U / O	U / O
MODEL		**076**	**078**	**090**	**108**	**140**
FRAME		**L**	**XL**	**XL**	**XL**	**XL**
COOLING CAPACITY (2)		**100%**	**100%**	**100%**	**100%**	**100%**
Total	[kW]	76,1	78,7	90,9	108	140
Sensible	[kW]	76,1	78,7	90,9	108	140
SHR (3)		1,00	1,00	1,00	1,00	1,00
Total power input (Comp. + Fans.)	[kW	22,3	19,4	23,7	30,1	44,8
"EC" SUPPLY FANS	[n]	2	2	2	3	3
Air flow	[m^3/h]	17000	21500	22500	25500	27000
Nominal external static pressure	[Pa]	20	20	20	20	20
Power input (4)	[kW]	3,22	3,21	3,66	5,15	6,24
COMPRESSOR		Scroll	Scroll	Scroll	Scroll	Scroll
BLDC compressor	[n]	1	2	2	2	2
ON/OFF compressor	[n]	1	0	0	2	2
Cooling capacity control		Modulating	Modulating	Modulating	Modulating	Modulating
Compressor power input	[kW]	19,1	16,1	20,1	24,9	38,5
AIR FILTERS	[n]	3	4	4	4	4
Efficiency (ISO EN 16890)	COARSE	60%	60%	60%	60%	60%
GAS circuits	[n]	1	2	2	2	2
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ENERGY EFFICIENCY INDEX (2)						
EER - Energy Efficiency Ratio (5)	[kW/kW]	3,41	4,06	3,84	3,59	3,12
DIMENSIONS						
Length	[mm]	1600	2550	2550	2550	2550
width	[mm]	885	885	885	885	885
Height	[mm]	1980	1980	1980	1980	1980
NET WEIGHT Over	[kg]	503	799	806	915	916
NET WEIGHT Under	[kg]	521	839	846	955	957
REFRIGERANT CONNECTIONS						
gas supply	[mm Ø]	28	22	22	28	28
Liquid return	[mm Ø]	18	18	18	18	18
HYDRAULIC CONNECTIONS						
CONDENSATE DISCHARGE						
Rubber pipe – internal diameter	[mm Ø]	19	19	19	19	19

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

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