

TECHNICAL DATA

x-MEXT DW / DW DF / DW FC

Data Book

DB_ME_x-MEXT-f-G02-DW_102022_EN_rev02

TECHNICAL DATA - UNDER / OVER version

Air supply (1)		U / O	U / O	U / O	U / O	U / O	U / O	U / O
MODEL		035	038	042	047	048	054	061
FRAME		M	M	M	M	L	L	L
COOLING CAPACITY (2)								
Total	[kW]	36,6	40,8	44,8	50,7	51,3	57,8	65,3
Sensible	[kW]	36,6	40,8	44,8	50,7	51,3	57,8	65,3
SHR (3)		1	1	1	1	1	1	1
Total power input (Comp. + Fans.)	[kW]	7,25	8,27	9,64	11,5	9,42	11,0	13,1
"EC" SUPPLY FANS	[n]	1	1	1	1	2	2	2
Air flow	[m³/h]	8000	9000	10000	11000	13000	14000	16000
Nominal external static pressure	[Pa]	20	20	20	20	20	20	20
Power input (4)	[kW]	0,80	1,07	1,44	1,89	1,63	1,89	2,72
COMPRESSOR		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
BLDC compressor	[n]	0	0	0	0	0	0	0
ON/OFF compressor	[n]	1	1	1	1	1	1	2
Cooling capacity control		ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
Compressor power input	[kW]	6,45	7,20	8,20	9,61	7,79	9,10	10,4
AIR FILTERS	[n]	2	2	2	2	2	2	2
Efficiency (ISO EN 16890)	COARSE	60%	60%	60%	60%	60%	60%	60%
GAS circuits	[n]	1	1	1	1	1	1	1
POWER SUPPLY	V/Ph/Hz	400/3/5	400/3/50	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]	5,05	4,93	4,65	4,41	5,45	5,25	4,98
DIMENSIONS								
Length	[mm]	1142	1142	1142	1142	1600	1600	1600
Width	[mm]	885	885	885	885	885	885	885
Height	[mm]	1980	1980	1980	1980	1980	1980	1980
NET WEIGHT Over	[kg]	387	401	404	407	609	610	644
NET WEIGHT Under	[kg]	396	410	413	416	627	628	662
CONNECTIONS ISO 228/1-G								
Inlet / Outlet Water Condenser	[M Ø]	1"1/2	1"1/2	1"1/2	1"1/2	2"	2"	2"
HYDRAULIC CONNECTIONS								
CONDENSATE DISCHARGE								
Rubber pipe – internal diameter	[mm Ø]	19	19	19	19	19	19	19

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

1. U = Under, Downflow / 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.

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Air supply (1)		U / O	U / O	U / O	U / O	U / O	U / O	U / O
MODEL		070	075	076	085	098	125	136
FRAME		L	L	XL	XL	XL	XL	XL
COOLING CAPACITY (2)								
Total	[kW]	72,9	79,3	81,0	90,7	105	133	145
Sensible	[kW]	72,9	79,3	81,0	90,7	105	133	145
SHR (3)		1	1	1	1	1	1	1
Total power input (Comp. + Fans.)	[kW]	15,5	17,6	15,6	18,5	22,1	30,8	33,8
"EC" SUPPLY FANS	[n]	2	2	3	3	3	3	3
Air flow	[m³/h]	17000	18000	17000	20000	23000	27000	27000
Nominal external static pressure	[Pa]	20	20	20	20	20	20	20
Maximum external static pressure	[Pa]							
Power input (4)	[kW]	3,24	3,84	1,69	2,55	3,85	6,11	6,21
COMPRESSOR		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
BLDC compressor	[n]	0	0	0	0	0	0	0
ON/OFF compressor	[n]	2	2	2	2	2	4	4
Cooling capacity control		ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
Compressor power input	[kW]	12,3	13,8	13,9	15,9	18,3	24,7	27,6
AIR FILTERS	[n]	2	2	2	2	2	2	2
Efficiency (ISO EN 16890)	COARSE	60%	60%	60%	60%	60%	60%	60%
GAS circuits	[n]	1	1	1	1	1	2	2
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	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]	4,70	4,51	5,19	4,90	4,75	4,32	4,29
DIMENSIONS								
Length	[mm]	1600	1600	2550	2550	2550	2550	2550
Width	[mm]	885	885	885	885	885	885	885
Height	[mm]	1980	1980	1980	1980	1980	1980	1980
NET WEIGHT Over	[kg]	644	672	970	975	977	1099	1154
NET WEIGHT Under	[kg]	662	689	1010	1015	1077	1139	1194
CONNECTIONS ISO 228/1-G								
Inlet / Outlet Water Condenser	[M Ø]	2"	2"	2"1/2	2"1/2	2"1/2	2"1/2	2"1/2
HYDRAULIC CONNECTIONS								
CONDENSATE DISCHARGE								
Air supply (1)	[mm Ø]	19	19	19	19	19	19	19

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The air conditioner is supplied with a minimum R410A refrigerant charge. **Refrigerant must be charged.**