



ACCURATE LEGACY

HIGH PRECISION AIR CONDITIONERS, FROM 3 TO 155 kW

AIR COOLED

b-AV DX Air Cooled Direct Expansion Air Conditioners (AC fans)

b-AV-UNDER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S	041 P1 S
Frame			E0	E0	E1	E2	E2	E3	E3	E3	E4	E4	E4
Power supply	V/ph/Hz		400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE													
Total cooling capacity gross	(1) kW		6,37	7,73	10,7	14,0	15,0	20,6	22,5	26,3	31,8	36,4	40,9
Sensible cooling capacity gross	(1) kW		6,29	7,05	10,7	14,0	15,0	20,6	22,5	25,8	31,7	34,2	39,3
Total power input (Comp.+fans)	(1) kW		1,65	2,02	2,75	3,45	3,84	5,15	5,94	7,03	7,48	8,43	9,86
EER (Indoor unit)	(1) kW/kW		3,86	3,83	3,89	4,06	3,91	4,00	3,79	3,74	4,25	4,32	4,15
SHR	(2)		0,99	0,91	1,00	1,00	1,00	1,00	1,00	0,98	1,00	0,94	0,96
REFRIGERANT CIRCUIT													
Compressors nr.	N°		1	1	1	1	1	1	1	1	1	1	1
No. Circuits	N°		1	1	1	1	1	1	1	1	1	1	1
Refrigerant charge	kg		2,30	2,30	3,20	3,40	3,40	4,00	4,00	4,00	5,70	5,70	8,60
FANS													
Fans type			PLUG FAN	PLUG FAN	AC RADIAL	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN
Quantity	N°		1	1	1	1	1	1	1	1	1	1	1
Air flow	(3) m³/h		1660	1660	3120	4340	4340	6650	6650	6650	8150	8150	9800
NOISE LEVEL													
Sound Power	dB(A)		57	57	57	65	65	67	67	67	71	71	75
Sound Pressure	(4) dB(A)		42	42	41	49	49	51	51	51	54	54	58
SIZE AND WEIGHT													
A	(3) mm		655	655	650	785	785	1085	1085	1085	1305	1305	1305
B	(3) mm		445	445	675	675	675	775	775	775	930	930	930
H	(3) mm		1680	1680	1925	1925	1925	1925	1925	1925	1980	1980	1980
Weight	(3) kg		160	160	238	270	275	320	325	325	420	425	437
COUPLING UNIT EXTERNAL													
Standard remote condenser linked													
Voltage													
Quantity	N°												

b-AV-UNDER			045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D	117 P4 D	146 P4 D
Frame			E4	E5	E5	E6	E6	E7	E7	E8	E8	E9	E9
Power supply	V/ph/Hz		400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE													
Total cooling capacity gross	(1) kW		44,8	36,9	47,7	56,5	63,2	74,7	82,0	91,1	103	119	147
Sensible cooling capacity gross	(1) kW		41,6	35,3	44,4	53,6	58,7	74,1	78,1	85,2	91,5	115	134
Total power input (Comp.+fans)	(1) kW		10,9	8,69	11,8	13,9	15,1	17,9	19,8	21,6	25,4	30,0	37,6
EER (Indoor unit)	(1) kW/kW		4,11	4,25	4,04	4,06	4,19	4,17	4,14	4,22	4,06	3,97	3,91
SHR	(2)		0,93	0,96	0,93	0,95	0,93	0,99	0,95	0,94	0,89	0,97	0,91
REFRIGERANT CIRCUIT													
Compressors nr.	N°		1	2	2	2	2	2	2	2	2	4	4
No. Circuits	N°		1	2	2	2	2	2	2	2	2	2	2
Refrigerant charge	kg		8,60	9,00	9,00	9,80	9,80	16,2	16,2	17,4	17,4	21,6	21,6
FANS													
Fans type			PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN
Quantity	N°		1	1	1	2	2	2	2	2	2	3	3
Air flow	(3) m³/h		9800	8450	10350	15200	15200	19200	19200	20350	20350	29400	29400
NOISE LEVEL													
Sound Power	dB(A)		75	72	76	73	73	73	78	80	80	81	81
Sound Pressure	(4) dB(A)		58	55	59	56	56	56	61	62	62	63	63
SIZE AND WEIGHT													
A	(3) mm		1305	1630	1630	1875	1875	2175	2175	2499	2499	2899	2899
B	(3) mm		930	930	930	930	930	930	930	930	930	930	930
H	(3) mm		1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(3) kg		445	530	540	620	640	745	750	845	845	1020	1080
COUPLING UNIT EXTERNAL													
Standard remote condenser linked													
Voltage													
Quantity	N°												

Notes:

1 Indoor conditions (in) 26°C - R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.

2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

3 Unit in standard configuration/execution, without optional accessories.

4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

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

b-AV DX Air Cooled Direct Expansion Air Conditioners (AC fans)

b-AV-OVER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S
Frame			E0	E0	E1	E2	E2	E3	E3	E3	E4	E4
Power supply	V/ph/Hz		400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE												
Total cooling capacity gross	(1) kW		6,37	7,73	10,7	14,0	15,0	20,6	22,5	26,3	31,8	36,4
Sensible cooling capacity gross	(1) kW		6,29	7,05	10,7	14,0	15,0	20,6	22,5	25,8	31,7	34,2
Total power input (Comp.+fans)	(1) kW		1,65	2,02	2,74	3,45	3,84	5,15	5,94	7,03	7,48	8,43
EER (Indoor unit)	(1) kW/kW		3,86	3,83	3,91	4,06	3,91	4,00	3,79	3,74	4,25	4,32
SHR	(2)		0,99	0,91	1,00	1,00	1,00	1,00	1,00	0,98	1,00	0,94
REFRIGERANT CIRCUIT												
Compressors nr.	N°		1	1	1	1	1	1	1	1	1	1
No. Circuits	N°		1	1	1	1	1	1	1	1	1	1
Refrigerant charge	kg		2,30	2,30	3,20	3,40	3,40	4,00	4,00	4,00	5,70	5,70
FANS												
Fans type			PLUG FAN	PLUG FAN	AC RADIAL	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN
Quantity	N°		1	1	1	1	1	1	1	1	1	1
Air flow	(3) m³/h		1660	1660	3120	4340	4340	6650	6650	6650	8150	8150
NOISE LEVEL												
Sound Power	dB(A)		56	56	56	66	66	67	67	67	71	71
Sound Pressure	(4) dB(A)		41	41	40	50	50	51	51	51	54	54
SIZE AND WEIGHT												
A	(3) mm		655	655	650	785	785	1085	1085	1085	1305	1305
B	(3) mm		445	445	675	675	675	775	775	775	930	930
H	(3) mm		1680	1680	1925	1925	1925	1925	1925	1925	1980	1980
Weight	(3) kg		160	160	228	260	265	300	305	305	410	415
COUPLING UNIT EXTERNAL												
Standard remote condenser linked												
Voltage												
Quantity	N°											

b-AV-OVER			041 P1 S	045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D
Frame			E4	E4	E5	E5	E6	E6	E7	E7	E8	E8
Power supply	V/ph/Hz		400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE												
Total cooling capacity gross	(1) kW		40,9	44,8	36,9	47,7	56,5	63,2	74,7	82,0	91,1	103
Sensible cooling capacity gross	(1) kW		39,3	41,6	35,3	44,4	53,6	58,7	74,1	78,1	85,2	91,5
Total power input (Comp.+fans)	(1) kW		9,86	10,9	8,69	11,8	13,9	15,1	17,9	19,8	21,6	25,4
EER (Indoor unit)	(1) kW/kW		4,15	4,11	4,25	4,04	4,06	4,19	4,17	4,14	4,22	4,06
SHR	(2)		0,96	0,93	0,96	0,93	0,95	0,93	0,99	0,95	0,94	0,89
REFRIGERANT CIRCUIT												
Compressors nr.	N°		1	1	2	2	2	2	2	2	2	2
No. Circuits	N°		1	1	2	2	2	2	2	2	2	2
Refrigerant charge	kg		8,60	8,60	9,00	9,00	9,80	9,80	16,2	16,2	17,4	17,4
FANS												
Fans type			PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN
Quantity	N°		1	1	1	1	2	2	2	2	2	2
Air flow	(3) m³/h		9800	9800	8450	10350	15200	15200	19200	19200	20350	20350
NOISE LEVEL												
Sound Power	dB(A)		75	75	71	76	75	75	78	78	80	80
Sound Pressure	(4) dB(A)		58	58	54	59	58	58	61	61	62	62
SIZE AND WEIGHT												
A	(3) mm		1305	1305	1630	1630	1875	1875	2175	2175	2499	2499
B	(3) mm		930	930	930	930	930	930	930	930	930	930
H	(3) mm		1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(3) kg		427	435	520	530	610	610	688	695	785	785
COUPLING UNIT EXTERNAL												
Standard remote condenser linked												
Voltage												
Quantity	N°											

Notes:

1 Indoor conditions (in) 26°C - R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.

2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

3 Unit in standard configuration/execution, without optional accessories.

4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

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