



# ACCURATE LEGACY

HIGH PRECISION AIR CONDITIONERS, FROM 3 TO 155 kW

**INVERTER** **AIR COOLED**

## i-AV DX Air Cooled Direct Expansion Air Conditioners with inverter technology

i-AV DX-OVER			012 M1 S	018 M1 S	022 M1 S	030 M1 S	042 M2 D	047 M1 S	068 M2 D	094 M2 D
			E1	E2	E3	E4	E5	E5	E7	E8
Frame										
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
<b>PERFORMANCE</b>										
Total cooling capacity gross	(1)	kW	9,12	17,8	22,2	30,7	43,8	48,2	68,6	93,9
Sensible cooling capacity gross	(1)	kW	9,12	17,7	22,2	30,7	43,8	48,2	68,6	93,9
Total power input (Comp,+fans)	(1)	kW	2,12	4,80	6,01	7,73	11,5	12,9	17,7	25,1
EER (Indoor unit)	(1)	kW/kW	4,30	3,71	3,69	3,97	3,81	3,74	3,88	3,74
SHR	(2)		1,00	0,99	1,00	1,00	1,00	1,00	1,00	1,00
<b>REFRIGERANT CIRCUIT</b>										
Compressors nr,		N°	1	1	1	1	2	1	2	2
No, Circuits		N°	1	1	1	1	2	1	2	2
Refrigerant charge		kg	3,24	3,60	4,30	6,10	8,60	9,20	12,2	18,4
<b>FANS</b>										
Fans type			EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN
Quantity		N°	1	1	1	1	1	1	2	2
Air flow	(3)	m³/h	2700	4100	5000	7500	12000	12000	17500	22000
<b>NOISE LEVEL</b>										
Sound Power		dB(A)	57	63	60	67	82	76	72	78
Sound Pressure	(4)	dB(A)	41	47	44	50	65	59	55	60
<b>SIZE AND WEIGHT</b>										
A	(3)	mm	650	785	1085	1305	1630	1630	2175	2499
B	(3)	mm	675	675	775	930	930	930	930	930
H	(3)	mm	1925	1925	1925	1980	1980	1980	1980	1980
Weight	(3)	kg	210	240	320	430	565	480	650	805
<b>COUPLING UNIT EXTERNAL</b>										
Standard remote condenser linked										
Voltage										
Quantity		N°								

### Notes:

- Indoor conditions (in) 26°C - R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.
  - SHR = Sensible cooling capacity gross / Total cooling capacity gross.
  - Unit in standard configuration/execution, without optional accessories.
  - 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 [GWP<sub>100</sub> 2088] fluorinated greenhouse gases

i-AV DX-UNDER			012 M1 S	018 M1 S	022 M1 S	030 M1 S	042 M2 D	047 M1 S	068 M2 D	094 M2 D	120 M4 D	150 M4 D
			E1	E2	E3	E4	E5	E5	E7	E8	E9	E9
Frame												
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
<b>PERFORMANCE</b>												
Total cooling capacity gross	(1)	kW	9,12	17,8	22,2	30,7	43,8	48,2	68,6	93,9	100	129
Sensible cooling capacity gross	(1)	kW	9,12	17,7	22,2	30,7	43,8	48,2	68,6	93,9	100	129
Total power input (Comp,+fans)	(1)	kW	2,12	4,81	6,01	7,73	11,7	12,9	17,7	25,1	28,3	38,7
EER (Indoor unit)	(1)	kW/kW	4,30	3,70	3,69	3,97	3,74	3,74	3,88	3,74	3,53	3,33
SHR	(2)		1,00	0,99	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
<b>REFRIGERANT CIRCUIT</b>												
Compressors nr,		N°	1	1	1	1	2	1	2	2	4	4
No, Circuits		N°	1	1	1	1	2	1	2	2	2	2
Refrigerant charge		kg	3,24	3,60	4,30	6,10	8,60	9,20	12,2	18,4	20,8	20,8
<b>FANS</b>												
Fans type			EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN
Quantity		N°	1	1	1	1	1	1	2	2	3	3
Air flow	(3)	m³/h	2700	4100	5000	7500	12000	12000	17500	22000	28000	32000
<b>NOISE LEVEL</b>												
Sound Power		dB(A)	57	64	61	68	75	77	72	79	77	80
Sound Pressure	(4)	dB(A)	41	48	45	51	58	60	55	61	59	62
<b>SIZE AND WEIGHT</b>												
A	(3)	mm	650	785	1085	1305	1630	1630	2175	2499	2899	2899
B	(3)	mm	675	675	775	930	930	930	930	930	930	930
H	(3)	mm	1925	1925	1925	1980	1980	1980	1980	1980	1980	1980
Weight	(3)	kg	220	250	330	440	575	490	705	865	985	1010
<b>COUPLING UNIT EXTERNAL</b>												
Standard remote condenser linked												
Voltage												
Quantity		N°										

### Notes:

- Indoor conditions (in) 26°C - R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.
  - SHR = Sensible cooling capacity gross / Total cooling capacity gross.
  - Unit in standard configuration/execution, without optional accessories.
  - 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 [GWP<sub>100</sub> 2088] fluorinated greenhouse gases.

## i-AV DW Water Cooled Direct Expansion Air Conditioners with inverter technology

i-AV DW-OVER			012 M1 S	018 M1 S	022 M1 S	030 M1 S	042 M2 D	047 M1 S	068 M2 D	094 M2 D	
			E1	E2	E3	E4L	E5L	E5L	E7L	E8L	
Frame											
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	
<b>PERFORMANCE</b>											
Total cooling capacity gross	(1)	kW	9,73	19,2	23,9	32,6	46,2	50,9	72,3	99,5	
Sensible cooling capacity gross	(1)	kW	9,72	17,8	22,3	31,2	45,1	48,0	69,8	92,6	
Total power input (Comp,+fans)	(1)	kW	1,77	4,24	5,32	6,77	10,6	11,7	15,7	22,3	
EER (Indoor unit)	(1)	kW/kW	5,50	4,53	4,49	4,82	4,36	4,35	4,61	4,46	
SHR	(2)		1,00	0,93	0,93	0,96	0,98	0,94	0,97	0,93	
<b>PLATE CAPACITOR</b>											
Capacitors nr,		N°	1	1	1	1	1	1	1	1	
Condenser fluid flow	(1)	l/s	0,54	1,10	1,38	1,85	2,63	2,90	4,12	5,68	
Pressure drop	(1)	kPa	21,0	30,9	29,4	17,2	18,0	40,5	22,2	26,4	
<b>REFRIGERANT CIRCUIT</b>											
Compressors nr,		N°	1	1	1	1	2	1	2	2	
No. Circuits		N°	1	1	1	1	2	1	1	2	
Refrigerant charge		kg	3,20	3,80	4,60	6,80	9,40	9,90	13,8	20,2	
<b>FANS</b>											
Fans type			EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	
Quantity		N°	1	1	1	1	1	1	2	2	
Air flow	(3)	m³/h	2700	4100	5100	7500	12000	12000	17500	22000	
<b>NOISE LEVEL</b>											
Sound Power		dB(A)	57	63	61	67	76	76	72	78	
Sound Pressure	(4)	dB(A)	41	47	45	50	59	59	54	60	
<b>SIZE AND WEIGHT</b>											
A	(3)	mm	650	785	1085	1630	1955	1955	2499	2899	
B	(3)	mm	675	675	775	930	930	930	930	930	
H	(3)	mm	1925	1925	1925	1980	1980	1980	1980	1980	
Weight	(3)	kg	230	280	325	480	610	580	730	900	

**Notes:**

- Indoor conditions (in) 26°C - R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa.
  - SHR = Sensible cooling capacity gross / Total cooling capacity gross.
  - Unit in standard configuration/execution, without optional accessories.
  - 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 [GWP<sub>100</sub> 2088] fluorinated greenhouse gases.

i-AV DW-UNDER			012 M1 S	018 M1 S	022 M1 S	030 M1 S	042 M2 D	047 M1 S	068 M2 D	094 M2 D	120 M4 D	150 M4 D
			E1	E2	E3	E4L	E5L	E5L	E7L	E8L	E9L	E9L
Frame												
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
<b>PERFORMANCE</b>												
Total cooling capacity gross	(1)	kW	9,73	19,2	23,9	32,6	46,2	50,9	72,3	99,5	117	141
Sensible cooling capacity gross	(1)	kW	9,72	17,8	22,3	31,2	45,1	48,0	69,8	92,6	114	133
Total power input (Comp,+fans)	(1)	kW	1,77	4,24	5,32	6,77	10,6	11,7	15,7	22,3	27,2	32,8
EER (Indoor unit)	(1)	kW/kW	5,50	4,53	4,49	4,82	4,36	4,35	4,61	4,46	4,30	4,30
SHR	(2)		1,00	0,93	0,93	0,96	0,98	0,94	0,97	0,93	0,97	0,94
<b>PLATE CAPACITOR</b>												
Capacitors nr,		N°	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	l/s	0,54	1,10	1,38	1,85	2,63	2,90	4,12	5,68	6,64	8,09
Pressure drop	(1)	kPa	21,0	30,9	29,4	17,2	18,0	40,5	22,2	26,4	29,6	42,9
<b>REFRIGERANT CIRCUIT</b>												
Compressors nr,		N°	1	1	1	1	2	1	2	2	4	4
No. Circuits		N°	1	1	1	1	2	1	2	2	2	2
Refrigerant charge		kg	3,20	3,80	4,60	6,80	9,40	9,90	13,8	20,2	21,6	21,6
<b>FANS</b>												
Fans type			EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN
Quantity		N°	1	1	1	1	1	1	2	2	3	3
Air flow	(3)	m³/h	2700	4100	5100	7500	12000	12000	17500	22000	32000	32000
<b>NOISE LEVEL</b>												
Sound Power		dB(A)	57	64	62	68	74	77	72	78	80	80
Sound Pressure	(4)	dB(A)	41	48	46	51	57	60	54	60	62	62
<b>SIZE AND WEIGHT</b>												
A	(3)	mm	650	785	1085	1630	1955	1955	2499	2899	3299	3299
B	(3)	mm	675	675	775	930	930	930	930	930	930	930
H	(3)	mm	1925	1925	1925	1980	1980	1980	1980	1980	1980	1980
Weight	(3)	kg	240	290	345	490	620	590	785	960	1100	1125

**Notes:**

- Indoor conditions (in) 26°C - R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa.
  - SHR = Sensible cooling capacity gross / Total cooling capacity gross.
  - Unit in standard configuration/execution, without optional accessories.
  - 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 [GWP<sub>100</sub> 2088] fluorinated greenhouse gases.