



## Matrixair Series (25Kw-150Kw)

La línea Matrixair corresponde a Aires acondicionados de Precisión diseñados para acondicionar grandes salas de cómputos, salas de informática, procesos de datos y otras aplicaciones de proceso en las que exista la necesidad fundamental de asegurar la operación y conservación de la máquina de proceso.

### Características principales

- ✓ Alta Fiabilidad
- ✓ Alta Eficiencia
- ✓ Diseño Personalizado
- ✓ Protección Ambiental

# Matrixair Series (25Kw-150Kw) 1/2

DX Units (Upflow)														
Air-cooled MT***UA		Unit	025	030	035	045	055	040	050	060	070	080	090	100
Water cooled MT***UW														
AC Fan,Air-cooled/Water cooled														
Total Cooling Capacity <sup>1)</sup>	kw	26.7	30.8	35.5	45.5	54.5	41.2	53.5	61.4	70.9	81.3	90.6	104.4	
Sensible Cooling Capacity <sup>1)</sup>	kw	24.3	29.3	32.7	42.8	51.8	37.9	49.2	57.7	63.8	77.2	83.4	95.0	
Air volume	m <sup>3</sup> /h	7500	8000	8500	13000	15000	12500	14000	18000	18500	21000	23000	25000	
Sensible heat ratio	%	91	95	92	94	95	92	92	94	90	95	92	91	
EC Fan,Air-cooled/Water cooled														
Total Cooling Capacity <sup>1)</sup>	kw	26.9	31.2	35.7	45.9	54.7	41.6	53.8	61.7	71.1	81.8	90.8	104.7	
Sensible Cooling Capacity <sup>1)</sup>	kw	25.0	30.0	33.6	44.1	52.5	39.5	50.6	59.2	66.1	78.5	85.4	97.4	
Air volume	m <sup>3</sup> /h	7800	8300	8800	13500	15400	13200	14600	18700	19300	21600	23900	26000	
Sensible heat ratio	%	93	96	94	96	96	95	94	96	93	96	94	93	
Heating capacity(Standard) <sup>3)</sup>	kw	6	6	6	9	9	9	9	9	9	12	12	12	
Heating capacity(Max)	kw	12	12	12	18	18	18	18	18	18	24	24	24	
Humidifying capacity (Standard)	kg/h	6	8	8	10	10	10	10	10	10	12	12	12	
Humidifying capacity (Max)	kg/h	8	8	8	15	15	15	15	15	15	15	15	15	
Number of compressors	pcs	1	1	1	1	1	2	2	2	2	2	2	2	
Number of fans	pcs	1	1	1	2	2	2	2	2	2	3	3	3	
Full-load current	A	31	31	33	48	53	44	56	57	61	77	83	93	
Unit Weight	kg	380	450	460	610	620	670	700	760	770	970	990	1090	
Unit Width	mm	850	1200	1200	1650	1650	1650	1650	2010	2010	2460	2460	2810	
Unit Depth	mm	850	850	850	850	850	850	850	850	850	850	850	850	
Unit Height	mm	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	
DX Units (Downflow)														
Air-cooled MT***DA		Unit	025	030	035	045	055	040	050	060	070	080	090	100
Water cooled MT***DW														
AC Fan ,Air-cooled/Water cooled														
Total Cooling Capacity <sup>1)</sup>	kw	26.7	30.8	35.5	45.5	54.5	41.2	53.5	61.4	70.9	81.3	90.6	104.4	
Sensible Cooling Capacity <sup>1)</sup>	kw	24.3	29.3	32.7	42.8	51.8	37.9	49.2	57.7	63.8	77.2	83.4	95.0	
Air volume	m <sup>3</sup> /h	7500	8000	8500	13000	15000	12500	14000	18000	18500	21000	23000	25000	
Sensible heat ratio	%	91	95	92	94	95	92	92	94	90	95	92	91	
EC Fan,Air-cooled/Water cooled														
Total Cooling Capacity <sup>1)</sup>	kw	26.9	31.2	35.7	45.9	54.7	41.6	53.8	61.7	71.1	81.8	90.8	104.7	
Sensible Cooling Capacity <sup>1)</sup>	kw	25.0	30.0	33.6	44.1	52.5	39.5	50.6	59.2	66.1	78.5	85.4	97.4	
Air volume	m <sup>3</sup> /h	7800	8300	8800	13500	15400	13200	14600	18700	19300	21600	23900	26000	
Sensible heat ratio	%	93	96	94	96	96	95	94	96	93	96	94	93	
Heating capacity(Standard) <sup>3)</sup>	kw	6	6	6	9	9	9	9	9	9	12	12	12	
Heating capacity(Max)	kw	12	12	12	18	18	18	18	18	18	24	24	24	
Humidifying capacity (Standard)	kg/h	6	8	8	10	10	10	10	10	10	12	12	12	
Humidifying capacity (Max)	kg/h	8	8	8	15	15	15	15	15	15	15	15	15	
Number of compressors	pcs	1	1	1	1	1	2	2	2	2	2	2	2	
Number of fans	pcs	1	1	1	2	2	2	2	2	2	3	3	3	
Full-load current	A	31	31	33	48	53	44	56	57	61	77	83	93	
Unit Weight	kg	380	450	460	610	620	670	700	760	770	970	990	1090	
Unit Width	mm	850	1200	1200	1650	1650	1650	1650	2010	2010	2460	2460	2810	
Unit Depth	mm	850	850	850	850	850	850	850	850	850	850	850	850	
Unit Height	mm	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	

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CW Units(Chilled Water)		Up flow						Down flow					
MT***UC	Unit	030	045	070	090	120	150	-	-	-	-	-	-
MT***DC		-	-	-	-	-	-	030	045	070	090	120	150
<b>AC Fan, chilled water</b>													
Total Cooling Capacity <sup>2)</sup>	kw	35.6	46.2	77.4	90.4	125.4	155.0	35.6	46.2	77.4	90.4	125.4	155.0
Sensible Cooling Capacity <sup>2)</sup>	kw	32.6	40.1	68.5	78.9	111.5	129.8	32.6	40.1	68.5	78.9	111.5	129.8
Air volume	m <sup>3</sup> /h	8000	9000	16000	18000	26400	27000	8000	9000	16000	18000	26400	27000
Sensible heat ratio	%	92	87	88	87	89	84	92	87	88	87	89	84
Water inlet capacity <sup>2)</sup>	m <sup>3</sup> /h	6.12	7.96	13.32	15.54	21.55	26.66	6.12	7.96	13.32	15.54	21.55	26.66
Pressure drop <sup>2)</sup>	kPa	58.9	58.7	110.0	86.7	117.0	107.0	58.9	58.7	110.0	86.7	117.0	107.0
<b>EC Fan, chilled water</b>													
Total Cooling Capacity <sup>1)</sup>	kw	36.0	46.9	78.6	90.9	126.9	157.0	36.0	46.9	78.6	90.9	126.9	157.0
Sensible Cooling Capacity <sup>1)</sup>	kw	33.5	42.2	70.7	81.8	115.5	138.2	33.5	42.2	70.7	81.8	115.5	138.2
Air volume	m <sup>3</sup> /h	8400	9500	16600	18700	27400	28100	8400	9500	16600	18700	27400	28100
Sensible heat ratio	%	93	90	90	90	91	88	93	90	90	90	91	88
Water Inlet Capacity <sup>2)</sup>	m <sup>3</sup> /h	6.29	8.25	13.69	15.93	22.07	27.41	6.29	8.25	13.69	15.93	22.07	27.41
Pressure drop <sup>2)</sup>	kPa	62.0	62.6	116.0	90.7	122.0	113.0	62.0	62.6	116.0	90.7	122.0	113.0
Heating capacity(Standard) <sup>3)</sup>	kw	6	6	9	9	12	12	6	6	9	9	12	12
Heating capacity(Max)	kw	12	12	18	18	24	24	12	12	18	18	24	24
Humidifying capacity (Standard)	kg/h	6	8	10	10	12	12	6	8	10	10	12	12
Humidifying capacity (Max)	kg/h	8	8	15	15	15	15	8	8	15	15	15	15
Number of fans	pcs	1	1	2	2	3	3	1	1	2	2	3	3
Full-load current	A	14	14	24	24	33	33	14	14	24	24	33	33
Size of inlet and outlet water pipes	mm	28	35	35	42	42	54	28	35	35	42	42	54
Unit Weight	kg	320	390	590	640	850	950	320	390	590	640	850	950
Unit Width	mm	850	1200	1650	2010	2460	2810	850	1200	1650	2010	2460	2810
Unit Depth	mm	850	850	850	850	850	850	850	850	850	850	850	850
Unit Height	mm	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960

## Note

### 1. Parameter table

- 1) Air/water cooled unit data based on 24°C, 50%RH indoor return air temperature.
- 2) Chilled water unit data based on 24°C, 50%RH indoor return air temperature. The inlet and outlet water temperature of chilled water are 7°C and 12°C
- 3) Electric heating adopts three-level hierarchical control

### 2. The power supply type: 380~415V/3P/50Hz.

3. We can provide other customized product. If you need more information, please contact us.

4. Specifications are subject to change without prior notice.