

TECHNICAL DATA AND NOMINAL PERFORMANCES

MANTA.W single circuit - water cooled

MODEL		T.27	T.30	T.33	T.40	T.40	T.48	T.54	T.60	T.70	T.90	T.120	T.150	T.200	T.220	T.290
		P1	P1	P1	P1	P2	P2	P2	P2	P2	P2	P2	P2	P2	P3	P3
Size		J4	J4	J4	J4	J5	J5	J5	J6	J6	J7	J7	J8	J9	J9	J9
Cooling capacity (1)	kW	27,1	30,7	35,3	40,2	46,0	53,6	61,9	68,3	80,6	104,5	131,3	169,7	219,1	260,7	266,8
Compressors	n.	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3
Power input (1)	kW	6,4	7,4	8,4	9,8	11,3	13,2	15,3	17,0	19,7	25,9	32,2	41,5	53,3	62,2	63,9
Gas circuits	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sound pressure (2)	dB(A)	50,0	51,0	52,0	53,0	53,0	53,0	54,0	55,0	56,0	61,0	64,0	64,0	64,0	64,0	65,8

MANTA.W double circuit - water cooled

MODEL		T.40	T.48	T.54	T.60	T.70	T.90	T.120	T.150	T.200	T.240	T.300	T.340	T.380	T.460	T.570
		P2	P2	P2	P2	P2	P2	P2	P2	P2	P4	P4	P4	P4	P6	P6
Size		J5	J5	J5	J6	J6	J7	J7	J8	J9	J9	J9	J10	J10	J10	J10
Cooling capacity (1)	kW	45,7	53,7	61,0	68,6	82,0	103,8	130,2	167,4	220,5	327,0	333,4	387,4	430,2	514,8	645,9
Compressors	n.	2	2	2	2	2	2	2	2	2	4	4	4	4	6	6
Power input (1)	kW	11,2	13,0	15,1	16,8	19,4	25,6	32,0	41,5	53,2	79,8	83,0	94,9	106,5	123,6	160,6
Gas circuits	n.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sound pressure (2)	dB(A)	53,0	53,0	54,0	55,0	56,0	61,0	64,0	64,0	64,0	67,0	65,8	67,0	67,0	68,8	68,8

(1) Referred to chilled water temperature 12/7°C and condenser water inlet temperature at 30°C

(2) Sound pressure 1m far in free field conditions

POWER SUPPLY: 400.3.50+N

MANTA.W.P single circuit - heat pump - water/water

MODEL		T.27	T.30	T.33	T.40	T.40	T.48	T.54	T.60	T.70	T.90	T.120	T.150	T.200	T.220	T.290
		P1	P1	P1	P1	P2	P2	P2	P2	P2	P2	P2	P2	P2	P3	P3
Size		J4	J4	J4	J4	J5	J5	J5	J6	J6	J7	J7	J8	J9	J9	J9
Cooling capacity (1)	kW	26,2	29,8	34,2	39,0	44,6	52,4	58,0	66,3	77,9	101,5	127,4	164,7	212,7	252,8	259,1
Heating capacity (2)	kW	29,2	33,3	38,0	43,4	50,0	58,4	65,0	73,3	87,0	112,9	141,8	183,1	248,0	295,5	287,3
Compressors	n.	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3
Power input (1)	kW	6,4	7,4	8,3	9,7	11,2	13,0	15,2	16,8	19,5	25,6	31,9	41,1	52,8	61,5	63,2
Power input (2)	kW	8,1	9,2	10,3	12,1	14,1	16,6	19,0	20,8	24,4	31,4	39,0	50,5	63,3	75,2	77,2
Gas circuits	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sound pressure (3)	dB(A)	50,0	51,0	52,0	53,0	53,0	53,0	54,0	55,0	56,0	61,0	64,0	64,0	64,0	64,0	65,8

(1) Referred to chilled water temperature 12/7°C and condenser water inlet temperature at 30°C

(2) Referred to hot water temperature 40/45°C and chilled water outlet temperature at 7°C

(3) Sound pressure 1m far in free field conditions according to ISO3744 norms

POWER SUPPLY: 400.3.50+N

TECHNICAL DATA AND NOMINAL PERFORMANCES

new  **MANTA.W.P** double circuit - heat pump - water/water


MODEL		T.40	T.48	T.54	T.60	T.70	T.90	T.120	T.150	T.200	T.240	T.300	T.340	T.380	T.460	T.570
		P2	P2	P2	P2	P2	P2	P2	P2	P2	P4	P4	P4	P4	P6	P6
Size		J5	J5	J5	J6	J6	J7	J7	J8	J9	J9	J9	J10	J10	J10	J10
Cooling capacity (1)	kW	44,2	51,9	59,0	66,6	63,3	102,5	126,4	162,5	214,1	317,4	323,2	375,8	417,7	499,4	626,3
Heating capacity (2)	kW	48,9	57,0	65,1	72,8	87,3	112,4	139,2	179,3	237,8	370,5	359,5	418,5	464,8	553,8	700,4
Compressors	n.	2	2	2	2	2	2	2	2	2	4	4	4	4	6	6
Power input (1)	kW	11,1	12,9	14,9	16,6	24,0	25,3	31,7	41,1	52,7	79,0	82,1	93,9	105,5	122,4	159,0
Power input (2)	kW	13,9	16,4	18,7	20,5	24,0	31,0	38,7	50,5	63,5	94,8	100,8	114,2	127,3	150,0	192,0
Gas circuits	n.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sound pressure (3)	dB(A)	53,0	53,0	54,0	55,0	56,0	61,0	64,0	64,0	64,0	67,0	67,0	67,0	67,0	68,8	68,8

(1) Referred to chilled water temperature 12/7°C and condenser water inlet temperature at 30°C

(2) Referred to hot water temperature 40/45°C and chilled water outlet temperature at 7°C

(3) Sound pressure 1m far in free field conditions according to ISO3744 norms

POWER SUPPLY: 400.3.50+N

new  **MANTA.A** single circuit - air cooled motoevaporating unit

MODEL		T.27	T.30	T.33	T.40	T.40	T.48	T.54	T.60	T.70	T.90	T.120	T.150	T.200	T.220	T.290
		P1	P1	P1	P1	P2	P2	P2	P2	P2	P2	P2	P2	P2	P3	P3
Size		J4	J4	J4	J4	J5	J5	J5	J6	J6	J7	J7	J8	J9	J9	J9
Cooling capacity (1)	kW	25,3	28,7	33,1	38,2	43,7	50,8	58,8	64,7	76,8	98,9	124,6	160,4	206,6	246,2	252,1
Compressors	n.	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3
Power input (1)	kW	7,4	8,5	9,4	10,9	12,6	14,7	16,9	18,8	21,8	28,5	35,4	45,9	58,5	68,9	70,7
Gas circuits	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sound pressure (2)	dB(A)	50,0	51,0	52,0	53,0	53,0	53,0	54,0	55,0	56,0	61,0	64,0	64,0	64,0	64,0	65,8

new  **MANTA.A** double circuit - air cooled motoevaporating unit

MODEL		T.40	T.48	T.54	T.60	T.70	T.90	T.120	T.150	T.200	T.240	T.300	T.340	T.380	T.460	T.570
		P2	P2	P2	P2	P2	P2	P2	P2	P2	P4	P4	P4	P4	P6	P6
Size		J5	J5	J5	J6	J6	J7	J7	J8	J9	J9	J9	J10	J10	J10	J10
Cooling capacity (1)	kW	43,2	50,5	57,5	64,7	77,6	99,2	123,2	158,4	207,8	308,2	315,1	366,0	405,8	484,7	611,6
Compressors	n.	2	2	2	2	2	2	2	2	2	4	4	4	4	6	6
Power input (1)	kW	12,6	14,7	16,9	18,8	21,8	28,5	35,3	45,9	58,5	87,7	91,9	104,4	117,0	137,8	175,3
Gas circuits	n.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sound pressure (2)	dB(A)	53,0	53,0	54,0	55,0	56,0	61,0	64,0	64,0	64,0	67,0	65,8	67,0	67,0	68,8	68,8

(1) Referred to chilled water temperature 12/7°C and air to the condenser at 35°C

(2) Sound pressure 1m far in free field conditions according to ISO3744 norms

POWER SUPPLY: 400.3.50+N

TECHNICAL DATA AND NOMINAL PERFORMANCES

new MANTA.A.P single circuit - air cooled heat pump motoevaporating unit

MODEL		T.27	T.30	T.33	T.40	T.40	T.48	T.54	T.60	T.70	T.90	T.120	T.150	T.200
		P1	P1	P1	P1	P2	P2	P2	P2	P2	P2	P2	P2	P2
Size		J4	J4	J4	J5	J5	J5	J5	J6	J6	J7	J7	J8	J9
Cooling capacity (1)	kW	24,5	27,8	32,1	37,8	41,6	49,6	57,1	62,8	74,3	95,9	120,8	155,8	200,6
Heating capacity (2)	kW	25,4	29,1	33,1	39,6	44,3	52,5	61,0	65,9	79,0	101,1	128,1	169,8	219,0
Compressors	n.	1	1	1	1	2	2	2	2	2	2	2	2	2
Power input (1)	kW	7,3	8,4	9,3	10,8	12,5	14,6	16,8	18,6	21,6	28,2	35,0	45,5	57,9
Power input (2)	kW	8,1	9,2	10,1	12,0	14,1	16,6	19,0	20,5	24,1	31,0	38,5	45,0	56,7
Gas circuits	n.	1	1	1	1	1	1	1	1	1	1	1	1	1
Sound pressure (3)	dB(A)	50,0	51,0	52,0	53,0	53,0	53,0	54,0	55,0	56,0	61,0	64,0	64,0	64,0

new MANTA.A.P double circuit - air cooled heat pump motoevaporating unit

MODEL		T.40	T.48	T.54	T.60	T.70	T.90	T.120	T.150	T.200	T.240	T.300	T.340	T.380
		P2	P2	P2	P2	P2	P2	P2	P2	P2	P4	P4	P4	P4
Size		J5	J5	J5	J6	J6	J7	J7	J8	J9	J9	J9	J10	J10
Cooling capacity (1)	kW	41,8	48,8	55,6	62,8	75,1	96,2	119,6	153,8	201,7	244,7	305,4	355,0	394,0
Heating capacity (2)	kW	44,4	51,7	59,1	66,1	79,3	101,4	128,2	165,6	218,6	264,4	332,0	388,5	431,6
Compressors	n.	2	2	2	2	2	2	2	2	2	4	4	4	4
Power input (1)	kW	12,5	14,6	16,8	18,6	21,6	28,2	35,0	45,4	57,9	70,0	91,0	103,4	115,8
Power input (2)	kW	13,9	16,4	18,7	20,3	23,8	30,6	38,4	50,1	57,0	68,9	89,8	102,2	114,3
Gas circuits	n.	2	2	2	2	2	2	2	2	2	2	2	2	2
Sound pressure (3)	dB(A)	53,0	53,0	54,0	55,0	56,0	61,0	64,0	64,0	64,0	67,0	67,0	67,0	67,0

- (1) Referred to chilled water temperature 12/7°C and condensing temperature at 45°C
 (2) Referred to hot water inlet temperature 40/45°C and evaporating temperature at -3°C
 (3) Sound pressure 1m far in free field conditions according to ISO3744 norms
 POWER SUPPLY: 400.3.50+N

DIMENSIONS (mm)

MANTA "J"

Size	a	b	c
J4	1.000	650	1.400
J5 - J6	1.200	650	1.500
J7	1.200	750	1.700
J8 - J9	1.800	1.200	1.740

