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ΣΤΟΜΙΑ ΚΛΙΜΑΤΙΣΜΟΥ

SELECTION TABLES FOR JF-2000

COOLING (ISOTHERM THROW)

NOMINAL SIZE	THROW VELOCITY	Q	100	125	150	200	250
Φ100	-	V	11,5	14,5	17,5	23,5	29,0
		Δp	45,0	70,0	110,0	175,0	300,0
		La	15	20	25	30	40
	0,3 m/s	T_{03}	13,0	15,0	19,0	25,0	32,5
	0,5 m/s	T_{05}	8,0	9,0	11,0	15,0	20,0
	1,0 m/s	T_1	3,0	4,0	5,5	8,0	10,0

VERTICAL DIFFUSION IN RESPECT TO ΔT

NOMINAL SIZE	THROW VELOCITY	Q		100	125	150	200	250
Φ100	0,3 m/s	ΔT 5	h_5	0,6	0,8	1,2	1,5	2,0
		ΔT 10	h_{10}	1,0	1,5	2,0	2,8	4,0
		ΔT 15	h_{15}	1,5	2,5	3,0	4,0	6,0
	0,5 m/s	ΔT 5	h_5	<0,2	<0,2	0,2	0,3	0,4
		ΔT 10	h_{10}	0,3	0,4	0,5	0,6	0,8
		ΔT 15	h_{15}	0,4	0,5	0,7	1,0	1,2
	1,0 m/s	ΔT 5	h_5	<0,2	<0,2	<0,2	<0,2	<0,2
		ΔT 10	h_{10}	<0,2	<0,2	<0,2	<0,2	<0,2
		ΔT 15	h_{15}	<0,2	<0,2	<0,2	<0,2	<0,2

h_5 VERTICAL DIFFUSION FOR ΔT 5 (m)
h_{10} VERTICAL DIFFUSION FOR ΔT 10 (m)
h_{15} VERTICAL DIFFUSION FOR ΔT 15 (m)

DIFFERENTIATION OF THE VERTICAL THROW IN RESPECT TO ΔT - HEATING - CEILING INSTALLATION

NOMINAL SIZE	THROW VELOCITY	Q		100	125	150	200	250
Φ100	-	ΔT 5	H_5	7,0	7,5	8,5	10,5	13,0
		ΔT 10	H_{10}	4,7	5,5	6,5	8,0	9,5
		ΔT 15	H_{15}	4,0	4,6	5,5	6,5	8,5

H_5 VERTICAL THROW FOR ΔT 5 (m)
H_{10} VERTICAL THROW FOR ΔT 10 (m)
H_{15} VERTICAL THROW FOR ΔT 15 (m)

Q: AIR FLOW RATE (m^3/h)
T_{03}: HORIZONTAL THROW FOR Vt 0,3 m/s (m)
T_{05}: HORIZONTAL THROW FOR Vt 0,5 m/s (m)
T_1: HORIZONTAL THROW FOR Vt 1,0 m/s (m)
Δp: PRESSURE DROP (Pa)
V: DISCHARGE VELOCITY (m/s)
La: NOISE LEVEL (dB(A))

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SELECTION TABLES FOR JF-2000

COOLING (ISOTHERM THROW)

NOMINAL SIZE	THROW VELOCITY	Q	200	250	300	350	400
Φ160	-	V	12,0	15,0	17,5	20,5	23,5
		Δp	70,0	115,0	150,0	275,0	300,0
		La	20	25	30	40	40
	0,3 m/s	T_{03}	20,0	25,0	30,0	33,0	35,0
	0,5 m/s	T_{05}	12,0	15,0	18,0	21,0	25,0
	1,0 m/s	T_1	6,0	8,0	9,0	10,0	12,0

VERTICAL DIFFUSION IN RESPECT TO ΔT

NOMINAL SIZE	THROW VELOCITY	Q		200	250	300	350	400
Φ160	0,3 m/s	ΔT 5	h_5	1,5	2,0	2,5	3,0	3,5
		ΔT 10	h_{10}	3,0	4,0	4,5	5,0	6,0
		ΔT 15	h_{15}	5,0	6,0	7,0	8,0	9,0
	0,5 m/s	ΔT 5	h_5	0,3	0,4	0,5	0,6	0,8
		ΔT 10	h_{10}	0,8	0,9	1,2	1,4	1,6
		ΔT 15	h_{15}	1,2	1,4	1,6	1,8	2,1
	1,0 m/s	ΔT 5	h_5	<0,2	<0,2	<0,2	<0,2	<0,2
		ΔT 10	h_{10}	<0,2	<0,2	<0,2	<0,2	0,2
		ΔT 15	h_{15}	<0,2	<0,2	0,2	0,2	0,3

h_5 VERTICAL DIFFUSION FOR ΔT 5 (m)
h_{10} VERTICAL DIFFUSION FOR ΔT 10 (m)
h_{15} VERTICAL DIFFUSION FOR ΔT 15 (m)

DIFFERENTIATION OF THE VERTICAL THROW IN RESPECT TO ΔT - HEATING - CEILING INSTALLATION

NOMINAL SIZE	THROW VELOCITY	Q		200	250	300	350	400
Φ160	-	ΔT 5	H_5	7,5	11,0	13,0	14,0	15,0
		ΔT 10	H_{10}	6,5	8,0	9,0	10,0	11,0
		ΔT 15	H_{15}	5,5	6,5	7,5	8,5	9,5

H_5 VERTICAL THROW FOR ΔT 5 (m)
H_{10} VERTICAL THROW FOR ΔT 10 (m)
H_{15} VERTICAL THROW FOR ΔT 15 (m)

Q: AIR FLOW RATE (m^3/h)
T_{03}: HORIZONTAL THROW FOR Vt 0,3 m/s (m)
T_{05}: HORIZONTAL THROW FOR Vt 0,5 m/s (m)
T_1: HORIZONTAL THROW FOR Vt 1,0 m/s (m)
Δp: PRESSURE DROP (Pa)
V: DISCHARGE VELOCITY (m/s)
La: NOISE LEVEL (dB(A))

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SELECTION TABLES FOR JF-2000

COOLING (ISOTHERM THROW)

NOMINAL SIZE	THROW VELOCITY	Q	300	400	500	600	700
Φ200	-	V	10,5	13,5	17,0	21,0	24,0
		Δp	65,0	100,0	175,0	250,0	425,0
		La	25	30	35	40	40
	0,3 m/s	T_{03}	25,0	32,0	35,0	>35	>35
	0,5 m/s	T_{05}	14,0	19,0	25,0	28,0	32,0
	1,0 m/s	T_1	7,0	10,0	12,0	14,0	17,0

VERTICAL DIFFUSION IN RESPECT TO ΔT

NOMINAL SIZE	THROW VELOCITY	Q		300	400	500	600	700
Φ200	0,3 m/s	ΔT 5	h_5	3,0	4,0	4,5	5,0	7,0
		ΔT 10	h_{10}	6,0	7,5	8,0	10,0	15,0
		ΔT 15	h_{15}	9,0	11,0	12,0	15,0	20,0
	0,5 m/s	ΔT 5	h_5	0,8	0,9	1,0	1,5	2,0
		ΔT 10	h_{10}	1,5	1,7	2,0	3,0	4,0
		ΔT 15	h_{15}	2,0	2,5	3,0	4,0	5,0
	1,0 m/s	ΔT 5	h_5	<0,2	<0,2	<0,2	<0,2	<0,2
		ΔT 10	h_{10}	<0,2	0,2	0,3	0,4	0,5
		ΔT 15	h_{15}	0,2	0,3	0,4	0,6	0,7

h_5 VERTICAL DIFFUSION FOR ΔT 5 (m)
h_{10} VERTICAL DIFFUSION FOR ΔT 10 (m)
h_{15} VERTICAL DIFFUSION FOR ΔT 15 (m)

DIFFERENTIATION OF THE VERTICAL THROW IN RESPECT TO ΔT - HEATING - CEILING INSTALLATION

NOMINAL SIZE	THROW VELOCITY	Q		300	400	500	600	700
Φ200	-	ΔT 5	H_5	9,0	12,5	14,5	16,5	18,0
		ΔT 10	H_{10}	7,0	9,0	11,0	12,5	14,0
		ΔT 15	H_{15}	5,5	7,5	9,0	11,0	12,0

H_5 VERTICAL THROW FOR ΔT 5 (m)
H_{10} VERTICAL THROW FOR ΔT 10 (m)
H_{15} VERTICAL THROW FOR ΔT 15 (m)

Q: AIR FLOW RATE (m^3/h)
T_{03}: HORIZONTAL THROW FOR Vt 0,3 m/s (m)
T_{05}: HORIZONTAL THROW FOR Vt 0,5 m/s (m)
T_1: HORIZONTAL THROW FOR Vt 1,0 m/s (m)
Δp: PRESSURE DROP (Pa)
V: DISCHARGE VELOCITY (m/s)
La: NOISE LEVEL (dB(A))

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SELECTION TABLES FOR JF-2000

COOLING (ISOTHERM THROW)

NOMINAL SIZE	THROW VELOCITY	Q	500	800	1000	1200	1500
Φ250	-	V	11,0	17,5	21,5	26,0	32,5
		Δp	70,0	175,0	280,0	400,0	600,0
		La	25	40	45	50	>50
	0,3 m/s	T_{03}	30,0	>35	>35	>35	>35
	0,5 m/s	T_{05}	18,0	30,0	35,0	>35	>35
	1,0 m/s	T_1	9,0	15,0	18,0	25,0	30,0

VERTICAL DIFFUSION IN RESPECT TO ΔT

NOMINAL SIZE	THROW VELOCITY	Q		500	800	1000	1200	1500
Φ250	0,3 m/s	ΔT 5	h_5	4,0	5,0	6,0	7,0	8,0
		ΔT 10	h_{10}	7,0	9,0	11,0	14,0	17,0
		ΔT 15	h_{15}	10,0	15,0	18,0	>20	>20
	0,5 m/s	ΔT 5	h_5	0,8	1,5	2,5	3,0	4,0
		ΔT 10	h_{10}	1,5	3,5	4,5	6,0	7,0
		ΔT 15	h_{15}	2,5	5,0	7,0	9,0	12,0
	1,0 m/s	ΔT 5	h_5	<0,2	0,2	0,3	0,4	0,5
		ΔT 10	h_{10}	0,2	0,4	0,5	0,9	1,0
		ΔT 15	h_{15}	0,3	0,6	0,8	1,2	1,5

h_5 VERTICAL DIFFUSION FOR ΔT 5 (m)
h_{10} VERTICAL DIFFUSION FOR ΔT 10 (m)
h_{15} VERTICAL DIFFUSION FOR ΔT 15 (m)

DIFFERENTIATION OF THE VERTICAL THROW IN RESPECT TO ΔT - HEATING - CEILING INSTALLATION

NOMINAL SIZE	THROW VELOCITY	Q		500	800	1000	1200	1500
Φ200	-	ΔT 5	H_5	11,0	16,0	20,0	25,0	28,0
		ΔT 10	H_{10}	8,5	12,0	15,0	17,5	20,0
		ΔT 15	H_{15}	7,0	10,0	12,5	14,0	17,0

H_5 VERTICAL THROW FOR ΔT 5 (m)
H_{10} VERTICAL THROW FOR ΔT 10 (m)
H_{15} VERTICAL THROW FOR ΔT 15 (m)

Q: AIR FLOW RATE (m^3/h)
T_{03}: HORIZONTAL THROW FOR Vt 0,3 m/s (m)
T_{05}: HORIZONTAL THROW FOR Vt 0,5 m/s (m)
T_1: HORIZONTAL THROW FOR Vt 1,0 m/s (m)
Δp: PRESSURE DROP (Pa)
V: DISCHARGE VELOCITY (m/s)
La: NOISE LEVEL (dB(A))

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SELECTION TABLES JF-2000

COOLING (ISOTHERM THROW)

NOMINAL SIZE	THROW VELOCITY	Q	800	1000	1200	1500	2000
Φ315	-	V	10,5	13,5	16,0	20,0	26,5
		Δp	80,0	100,0	175,0	225,0	400,0
		La	35	35	40	45	55
	0,3 m/s	T_{03}	35,0	>35	>35	>35	>35
	0,5 m/s	T_{05}	22,0	28,0	35,0	>35	>35
	1,0 m/s	T_1	11,0	15,0	18,0	22,0	30,0

VERTICAL DIFFUSION IN RESPECT TO ΔT

NOMINAL SIZE	THROW VELOCITY	Q		800	1000	1200	1500	2000
Φ315	0,3 m/s	ΔT 5	h_5	7,0	10,0	-	-	-
		ΔT 10	h_{10}	14,0	20,0	-	-	-
		ΔT 15	h_{15}	18,0	>20	-	-	-
	0,5 m/s	ΔT 5	h_5	1,5	2,0	3,0	4,0	5,0
		ΔT 10	h_{10}	3,0	4,0	5,0	6,0	8,0
		ΔT 15	h_{15}	5,0	6,0	7,0	8,0	12,0
	1,0 m/s	ΔT 5	h_5	<0,2	0,2	0,3	0,4	0,5
		ΔT 10	h_{10}	0,3	0,4	0,5	0,7	0,9
		ΔT 15	h_{15}	0,5	0,6	0,7	1,0	1,4

h_5 VERTICAL DIFFUSION FOR ΔT 5 (m)
h_{10} VERTICAL DIFFUSION FOR ΔT 10 (m)
h_{15} VERTICAL DIFFUSION FOR ΔT 15 (m)

DIFFERENTIATION OF THE VERTICAL THROW IN RESPECT TO ΔT - HEATING - CEILING INSTALLATION

NOMINAL SIZE	THROW VELOCITY	Q		800	1000	1200	1500	2000
Φ315	-	ΔT 5	H_5	13,0	15,0	17,0	21,0	25,0
		ΔT 10	H_{10}	9,0	11,0	13,0	16,0	18,0
		ΔT 15	H_{15}	8,0	9,0	11,0	14,0	15,0

H_5 VERTICAL THROW FOR ΔT 5 (m)
H_{10} VERTICAL THROW FOR ΓΙΑ ΔT 10 (m)
H_{15} VERTICAL THROW FOR ΔT 15 (m)

Q: AIR FLOW RATE (m^3/h)
T_{03}: HORIZONTAL THROW FOR Vt 0,3 m/s (m)
T_{05}: HORIZONTAL THROW FOR Vt 0,5 m/s (m)
T_1: HORIZONTAL THROW FOR Vt 1,0 m/s (m)
Δp: PRESSURE DROP (Pa)
V: DISCHARGE VELOCITY (m/s)
La: NOISE LEVEL (dB(A))

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SELECTION TABLES FOR JF-2000

COOLING (ISOTHERM THROW)

NOMINAL SIZE	THROW VELOCITY	Q	800	1000	1200	1500	2000
Φ400	-	V	6,0	7,5	9,0	11,5	15,0
		Δp	25,0	35,0	55,0	70,0	150,0
		La	25	30	35	40	50
	0,3 m/s	T_{03}	27,0	33,0	35,0	>35	>35
	0,5 m/s	T_{05}	18,0	22,0	27,0	32,0	35,0
	1,0 m/s	T_1	9,0	11,0	13,0	15,0	22,0

VERTICAL DIFFUSION IN RESPECT TO ΔT

NOMINAL SIZE	THROW VELOCITY	Q		800	1000	1200	1500	2000
Φ400	0,3 m/s	ΔT 5	h_5	6,0	8,0	10,0	-	-
		ΔT 10	h_{10}	12,0	18,0	20,0	-	-
		ΔT 15	h_{15}	18,0	>20	>20	-	-
	0,5 m/s	ΔT 5	h_5	1,8	2,2	4,0	5,0	6,0
		ΔT 10	h_{10}	3,0	4,5	7,0	10,0	12,0
		ΔT 15	h_{15}	5,0	7,0	12,0	15,0	18,0
	1,0 m/s	ΔT 5	h_5	<0,2	<0,2	0,2	0,3	0,5
		ΔT 10	h_{10}	0,3	0,4	0,4	0,6	1,0
		ΔT 15	h_{15}	0,4	0,5	0,6	0,8	1,5

h_5 VERTICAL DIFFUSION FOR ΔT 5 (m)
h_{10} VERTICAL DIFFUSION FOR ΔT 10 (m)
h_{15} VERTICAL DIFFUSION FOR ΔT 15 (m)

DIFFERENTIATION OF THE VERTICAL THROW IN RESPECT TO ΔT - HEATING - CEILING INSTALLATION

ΟΝΟΜΑΣΤΙΚΟ ΜΕΓΕΘΟΣ	ΤΕΛΙΚΗ ΤΑΧΥΤΗΤΑ	Q		800	1000	1200	1500	2000
Φ400	-	ΔT 5	H_5	10,0	12,0	14,5	16,5	22,0
		ΔT 10	H_{10}	7,5	9,0	11,0	13,0	16,0
		ΔT 15	H_{15}	6,0	7,5	9,0	11,0	13,0

H_5 VERTICAL THROW FOR ΔT 5 (m)
H_{10} VERTICAL THROW FOR ΔT 10 (m)
H_{15} VERTICAL THROW FOR ΔT 15 (m)

Q: AIR FLOW RATE (m^3/h)
T_{03}: HORIZONTAL THROW FOR Vt 0,3 m/s (m)
T_{05}: HORIZONTAL THROW FOR Vt 0,5 m/s (m)
T_1: HORIZONTAL THROW FOR Vt 1,0 m/s (m)
Δp: PRESSURE DROP (Pa)
V: DISCHARGE VELOCITY (m/s)
La: NOISE LEVEL (dB(A))

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