

Client:
Location
Machine no

Otis, Maine

Job #:
Date: 16 II 98



macfab

	Present	Futur	Present	Futur	Present	Futur
	Min. Basis weight		Min. with Max speed		Max. Basis weight	
	Data sh.	GPM Calc	Data sh.	GPM Calc	Data sh.	GPM sh.
Enter data gr / m2						
Reel dryness (%)	94,5	95	94,5	95	94,5	95
Basis weight (# / ft2)	31	36	34,6	40	46,5	55
Ream size (ft2)	3000	3000	3000	3000	3000	3000
Wire speed (ft/min)	1800	2000	2000	1800	1500	1500
Headbx consisten. (%)	0,38	0,63	0,45	0,45	0,47	0,509
Tray consistency (%)	0,05	0,09	0,06	0,06	0,0465	0,051
Wet Deckle (in.)	150	150	150	150	150	150
Gals. per min	7981,01	6326,57	8374,89	8759,86	7773,71	8547,08
Retention %						
GPM / inch	53,21	42,18	55,83	58,40	51,82	56,98

HEADBOX DATA			
	Data input		Areas (ft2)
Inlet pipe diam. (in.)	18	Inlet pipe	1,77
Manifold depth (in.)	21,21	Manifold	1,77
Manifold width (in.)	12	Tubes	0,92
Tubes diameter (in.)	1,25	Mixing	12,50
Number of tubes	108	Vat	14,91
Deckle width (in.)	150		
Throat roll diam. (in.)	14,31	Est. Flow	
Slice roll diam. (in.)	12,62	Est. Veloc.	0,00
Hole diameter (in.)	1		
Open area Throat	0,4		
Open area Slice	0,5		
* K " Factor	27		

Inlet pipe velocity: 7.5 & 12.0 f/s

FLOW (Gals/min)	5000	6000	6500	7000	7500	8000	9000
Flow (ft3/sec)	11,14	13,37	14,48	15,60	16,71	17,82	20,05
VELOCITIES (ft/s)	Pipe & manifold velocities are calculated with:						0,05 rec.fact.
Inlet pipe	6,62	7,95	8,61	9,27	9,93	10,60	11,92
Manifold	6,62	7,95	8,61	9,27	9,93	10,60	11,92
Tubes	12,11	14,53	15,74	16,95	18,16	19,38	21,80
Mixing	0,89	1,07	1,16	1,25	1,34	1,43	1,61
Vat	0,75	0,90	0,97	1,05	1,12	1,20	1,35
GPM/inch	33,33	40,00	43,33	46,67	50,00	53,33	60,00

NOZZLE LENGTH	(Inches)						
No-wake length	19,85	25,31	28,16	31,08	34,07	37,13	43,45
Longest nozzle	15,88	20,25	22,52	24,86	27,26	29,71	34,76
Shortest nozzle	11,33	14,45	16,08	17,75	19,46	21,20	24,81