MOZART V9 SINGLE

DELTA GENERATION VERTICAL DUAL LINE WIRE ENAMELLING MACHINE

DIMENSION RANGE

MOZART V9 SINGLE
for heavy round and rectangular wire

MOZART V9/1–1/14 D
MOZART V9/2–2/14 D
MOZART V9/4–4/14 D

• Number of lines   ▭ Number of ovens   D = dies

2–5.2 mm / awg 12–4; 3–80 mm^2

The vertical Mozart V9 enamelling machine is the latest progressive standard of a perfect solution for the production of prime-, base and over-coated heavy round or rectangular wires with a single line and dual line system. It works with up to five different enamels with equal baking conditions. The Mozart V9 concept offers high reliability, efficiency, flexibility and perfect quality. The machine is available with up to 4 ovens in a common base frame.

TECHNICAL DATA

PRODUCTION DATA	
Speed range	0–40 m/min.
Sizes of finished wire reels	max. 1000 mm
RATED POWER	**for 1 line***
Total rated power	148 kW (thermal and motive)
MECHANICAL	
Max. number of enamel passes	max. 14 (up to 5 enamels)
Oven-length	10.1 m
Annealer-length	15.4 m

* not valid for SB-machines

DIMENSIONS

RECTANGULAR WIRE	
Max. Cross-section area	80.00 mm^2
Min. Cross-section area	3.00 mm^2
Max. Nominal width	20.00 mm
Min. Nominal width	2.00 mm
Max. Nominal thickness	5.60 mm
Min. Nominal thickness	0.90 mm
ROUND WIRE	
max. 5.200 mm, min. 2.000 mm	

HYDRAULIC DIAMETER (mm)

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												1.80	1.87																					
2.36											1.76		1.91																					
2.50										1.73	1.79	1.88	1.95	2.02	2.09																			
2.65									1.70		1.83		2.00		2.14																			
2.80								1.66	1.73	1.79	1.87	1.95	2.04	2.12	2.19	2.26	2.33																	
3.00							1.63		1.76		1.91		2.09		2.25		2.40																	
3.15					1.52	1.59	1.65	1.72	1.79	1.86	1.94	2.03	2.12	2.21	2.29	2.37	2.45	2.53	2.62															
3.35					1.54		1.68		1.82		1.97		2.17		2.34		2.50		2.68															
3.55			1.44	1.50	1.56	1.63	1.70	1.77	1.85	1.92	2.01	2.11	2.21	2.30	2.39	2.48	2.56	2.65	2.75	2.84	2.93													
3.75			1.45		1.58		1.72		1.88		2.04		2.24		2.43		2.61		2.80		3.00													
4.00	1.33	1.40	1.47	1.54	1.60	1.68	1.75	1.82	1.90	1.98	2.07	2.18	2.29	2.39	2.48	2.58	2.67	2.77	2.87	2.97	3.08	3.19	3.29											
4.25	1.35		1.49		1.62		1.77		1.93		2.11		2.32		2.53		2.72		2.93		3.15		3.38											
4.50	1.36	1.43	1.50	1.57	1.64	1.72	1.79	1.87	1.96	2.04	2.14	2.25	2.36	2.47	2.57	2.67	2.77	2.88	2.99	3.10	3.21	3.34	3.45	3.60	3.71									
4.75	1.37		1.51		1.65		1.81		1.98		2.16		2.39		2.61		2.81		3.04		3.28		3.52		3.79									
5.00	1.38	1.45	1.53	1.60	1.67	1.75	1.83	1.91	2.00	2.09	2.19	2.31	2.42	2.54	2.65	2.75	2.86	2.98	3.09	3.21	3.33	3.46	3.59	3.75	3.87	4.15								
5.30	1.39		1.54		1.68		1.85		2.02		2.21		2.46		2.69		2.90		3.15		3.40		3.66		3.95	4.25								
5.60	1.40	1.48	1.55	1.62	1.70	1.78	1.87	1.95	2.04	2.14	2.24	2.37	2.49	2.61	2.72	2.84	2.95	3.08	3.20	3.32	3.46	3.60	3.73	3.91	4.03	4.35	4.49	4.67						
6.00	1.41		1.57		1.71		1.89		2.07		2.27		2.53		2.77		3.00		3.26		3.53		3.82		4.13	4.46		4.80						
6.30	1.42	1.50	1.58	1.65	1.73	1.81	1.90	1.99	2.09	2.18	2.29	2.42	2.55	2.68	2.80	2.92	3.04	3.17	3.30	3.43	3.58	3.73	3.88	4.06	4.20	4.54	4.70	4.89	5.08	5.25				
6.70	1.43		1.59		1.74		1.92		2.11		2.32		2.58		2.84		3.08		3.36		3.64		3.95		4.29	4.64		5.01		5.38				
7.10			1.60	1.68	1.75	1.84	1.93	2.02	2.13	2.23	2.34	2.48	2.61	2.74	2.87	3.00	3.12	3.27	3.41	3.54	3.70	3.86	4.02	4.22	4.36	4.73	4.91	5.12	5.32	5.51	5.69	5.87		
7.50					1.76		1.95		2.14		2.36		2.64		2.90		3.16		3.45		3.75		4.08		4.44	4.82		5.22		5.63		6.00		
8.00					1.78	1.87	1.96	2.06	2.16	2.27	2.38	2.53	2.67	2.80	2.94	3.07	3.20	3.35	3.50	3.64	3.81	3.98	4.15	4.36	4.52	4.92	5.11	5.33	5.55	5.76	5.96	6.15	6.38	6.59
8.50							1.98		2.18		2.40		2.69		2.97		3.24		3.55		3.86		4.21		4.60	5.01		5.44		5.88		6.30		6.75
9.00							1.99	2.09	2.20	2.30	2.42	2.57	2.72	2.86	3.00	3.14	3.27	3.43	3.59	3.74	3.91	4.09	4.27	4.50	4.67	5.09	5.29	5.54	5.77	6.00	6.22	6.43	6.67	6.90
9.50									2.21		2.44		2.74		3.03		3.30		3.63		3.96		4.33		4.73	5.17		5.63		6.11		6.55		7.05
10.00									2.22	2.33	2.46	2.61	2.76	2.91	3.05	3.19	3.33	3.50	3.66	3.82	4.00	4.19	4.38	4.62	4.79	5.24	5.45	5.71	5.96	6.21	6.44	6.67	6.93	7.18
10.60											2.47		2.78		3.08		3.37		3.70		4.05		4.43		4.86	5.32		5.81		6.32		6.79		7.33
11.20											2.49	2.65	2.80	2.95	3.10	3.25	3.39	3.57	3.73	3.90	4.09	4.29	4.48	4.73	4.92	5.39	5.62	5.89	6.16	6.42	6.67	6.91	7.20	7.47
11.80													2.82		3.12		3.42		3.77		4.13		4.53		4.97	5.46		5.97		6.52		7.02		7.60
12.50													2.84	2.99	3.15	3.30	3.45	3.63	3.80	3.97	4.17	4.37	4.58	4.84	5.03	5.53	5.77	6.06	6.34	6.62	6.88	7.14	7.44	7.73
13.20															3.17		3.47		3.83		4.20		4.62		5.09	5.60		6.14		6.71		7.25		7.86
14.00															3.19	3.35	3.50	3.68	3.86	4.04	4.24	4.46	4.67	4.94	5.14	5.66	5.92	6.22	6.52	6.81	7.09	7.37	7.69	8.00
15.00																	3.53		3.90		4.29		4.72		5.21	5.74		6.32		6.92		7.50		
16.00																	3.56	3.74	3.93	4.11	4.32	4.55	4.77	5.05	5.26	5.81	6.08	6.40	6.72	7.02	7.33	7.62		

MOZART V9 SINGLE
with 900 mm Diversion Pulley

NOMINAL CROSS-SECTIONAL AREAS FOR PREFERRED AND INTERMEDIATE SIZES (mm^2)

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												3.15	3.37																					
2.36											3.09		3.56																					
2.50										3.09	3.29	3.54	3.79	3.89	4.14																			
2.65									3.10		3.50		4.03		4.41																			
2.80								3.09	3.29	3.48	3.71	3.99	4.27	4.40	4.68	4.96	5.24																	
3.00							3.15		3.54		3.99		4.59		5.04		5.64																	
3.15					3.01	3.12	3.31	3.50	3.72	3.94	4.20	4.51	4.83	4.99	5.31	5.62	5.94	6.32	6.69															
3.35					3.21		3.54		3.97		4.48		5.15		5.67		6.34		7.14															
3.55			3.06	3.24	3.41	3.55	3.76	3.97	4.22	4.47	4.76	5.11	5.47	5.67	6.03	6.38	6.74	7.16	7.59	7.83	8.33													
3.75			3.24		3.61		3.99		4.47		5.04		5.79		6.39		7.14		8.04		8.83													
4.00	3.1	3.26	3.46	3.66	3.86	4.03	4.27	4.51	4.79	5.07	5.39	5.79	6.19	6.44	6.84	7.24	7.64	8.12	8.60	8.89	9.45	10.1	10.7											
4.25	3.3		3.69		4.11		4.55		5.10		5.74		6.59		7.29		8.14		9.16		10.1		11.4											
4.50	3.5	3.69	3.91	4.14	4.36	4.56	4.83	5.10	5.41	5.73	6.09	6.54	6.99	7.29	7.74	8.19	8.64	9.18	9.72	10.1	10.7	11.4	12.1	13.0	13.6									
4.75	3.7		4.14		4.61		5.11		5.72		6.44		7.39		8.19		9.14		10.3		11.3		12.8		14.4									
5.00	3.9	4.11	4.36	4.61	4.86	5.09	5.39	5.69	6.04	6.39	6.79	7.29	7.79	8.14	8.64	9.14	9.64	10.2	10.8	11.3	12.0	12.7	13.5	14.5	15.2	17.2								
5.30	4.1		4.63		5.16		5.72		6.41		7.21		8.27		9.18		10.2		11.5		12.7		14.3		16.1	18.3								
5.60	4.3	4.62	4.90	5.18	5.46	5.72	6.06	6.39	6.79	7.18	7.63	8.19	8.75	9.16	9.72	10.3	10.8	11.5	12.2	12.7	13.5	14.3	15.1	16.3	17.1	19.3	20.1	21.5						
6.00	4.7		5.26		5.86		6.51		7.29		8.19		9.39		10.4		11.6		13.1		14.5		16.3		18.4	20.8		23.1						
6.30	4.9	5.22	5.53	5.85	6.16	6.46	6.84	7.22	7.66	8.10	8.61	9.24	9.87	10.3	11.0	11.6	12.2	13.0	13.7	14.3	15.2	16.1	17.1	18.4	19.3	21.8	22.8	24.3	25.9	27.5				
6.70	5.2		5.89		6.56		7.29		8.16		9.17		10.5		11.7		13.0		14.6		16.2		18.2		20.6	23.2		25.9		29.3				
7.10			6.25	6.61	6.96	7.31	7.74	8.16	8.66	9.16	9.73	10.4	11.1	11.7	12.4	13.1	13.8	14.7	15.5	16.2	17.2	18.3	19.3	20.8	21.8	24.7	25.8	27.5	29.3	31.1	32.9	34.64		
7.50					7.36		8.19		9.16		10.3		11.8		13.1		14.6		16.4		18.2		20.5		23.1	26.1		29.1		32.9		36.64		
8.00					7.86	8.27	8.75	9.23	9.79	10.3	11.0	11.8	12.6	13.2	14.0	14.8	15.6	16.6	17.6	18.3	19.5	20.7	21.9	23.5	24.7	27.9	29.1	31.1	33.1	35.1	37.1	39.14	41.5	43.9
8.50							9.31		10.4		11.7		13.4		14.9		16.6		18.7		20.7		23.3		26.2	29.6		33.1		37.4		41.64		46.7
9.00							9.87	10.4	11.0	11.7	12.4	13.3	14.2	14.9	15.8	16.7	17.6	18.7	19.8	20.7	22.0	23.3	24.7	26.5	27.8	31.4	32.9	35.1	37.4	39.6	41.9	44.14	46.8	49.5
9.50									11.7		13.1		15.0		16.7		18.6		20.9		23.2		26.1		29.4	33.2		37.1		41.9		46.64		52.3
10.00									12.3	13.0	13.8	14.8	15.8	16.6	17.6	18.6	19.6	20.8	22.0	23.1	24.5	26.0	27.5	29.5	31.0	35.0	36.6	39.1	41.6	44.1	46.6	49.14	52.1	55.1
10.60											14.6		16.7		18.7		20.8		23.4		26.0		29.1		32.8	37.1		41.5		46.8		52.14		58.5
11.20											15.5	16.6	17.7	18.7	19.8	20.9	22.0	23.4	24.7	25.9	27.5	29.1	30.8	33.1	34.7	39.2	41.1	43.9	46.7	49.5	52.3	55.14	58.5	61.9
11.80													18.7		20.9		23.2		26.1		29.0		32.5		36.6	41.3		46.3		52.2		58.14		65.2
12.50													19.8	20.9	22.1	23.4	24.6	26.1	27.6	29.0	30.7	32.6	34.5	37.0	38.8	43.8	46.0	49.1	52.3	55.4	58.5	61.64	65.4	69.1
13.20															23.4		26.0		29.2		32.5		36.4		41.0	46.3		51.9		58.5		65.14		73.1
14.00															24.8	26.2	27.6	29.3	31.0	32.5	34.5	36.6	38.7	41.5	43.6	49.2	51.6	55.1	58.6	62.1	65.6	69.14	73.3	77.5
15.00																	29.6		33.2		37.0		41.5		46.7	52.7		59.1		66.6		74.14		
16.00																	31.6	33.6	35.5	37.2	39.5	41.9	44.3	47.5	49.9	56.3	59.1	63.1	67.1	71.1	75.1	79.14		

MOZART V9 SINGLE
with 900 mm Diversion Pulley

INDICATION OF PRODUCTION OUTPUT SINGLE, TONS PER 1 DAY

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												0.8	0.8																					
2.36											0.8		0.8																					
2.50										0.8	0.8	0.8	0.9	0.9	0.9																			
2.65									0.8		0.8		0.9		0.9																			
2.80								0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0																	
3.00							0.9		0.9		0.9		1.0		1.0		1.0																	
3.15					0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1															
3.35					0.9		0.9		1.0		1.0		1.0		1.1		1.1		1.2															
3.55			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2													
3.75			1.0		1.0		1.0		1.1		1.1		1.1		1.1		1.2		1.2		1.3													
4.00	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4											
4.25	1.1		1.1		1.1		1.1		1.2		1.2		1.2		1.3		1.3		1.3		1.4		1.4											
4.50	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5									
4.75	1.2		1.2		1.3		1.3		1.3		1.3		1.4		1.4		1.4		1.4		1.5		1.5		1.6									
5.00	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7								
5.30	1.3		1.4		1.4		1.4		1.4		1.4		1.5		1.5		1.5		1.6		1.6		1.6		1.7	1.8								
5.60	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9						
6.00	1.5		1.5		1.5		1.5		1.6		1.6		1.6		1.6		1.7		1.7		1.7		1.8		1.8	1.9		1.9						
6.30	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.0	2.1				
6.70	1.6		1.7		1.7		1.7		1.7		1.7		1.8		1.8		1.8		1.9		1.9		1.9		2.0	2.0		2.1		2.2				
7.10			1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3		
7.50					1.9		1.9		1.9		1.9		1.9		1.9		2.0		2.0		2.0		2.1		2.1	2.2		2.2		2.3		2.4		
8.00					2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5
8.50							2.1		2.1		2.1		2.2		2.2		2.2		2.2		2.2		2.3		2.3	2.4		2.4		2.5		2.5		2.6
9.00							2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7
9.50									2.3		2.3		2.4		2.4		2.4		2.4		2.4		2.5		2.5	2.6		2.6		2.6		2.7		2.8
10.00									2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.9
10.60											2.6		2.6		2.6		2.6		2.7		2.7		2.7		2.7	2.8		2.8		2.8		2.9		2.9
11.20											2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0
11.80													2.9		2.9		2.9		2.9		2.9		2.9		3.0	3.0		3.0		3.1		3.1		3.1
12.50													3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.3
13.20															3.2		3.2		3.2		3.2		3.2		3.2	3.3		3.3		3.3		3.3		3.4
14.00															3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5
15.00																	3.5		3.6		3.5		3.6		3.6	3.6		3.6		3.6		3.6		
16.00																	3.8	3.8	3.8	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8		

MOZART V9 SINGLE
with 900 mm Diversion Pulley

INDICATION OF HYDRAULIC PRODUCTION SPEED (m/min), PVA GRADE 1

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												19.4	18.6																					
2.36											19.8		18.2																					
2.50										20.2	19.4	18.5	17.7	17.1	16.5																			
2.65									20.5		19.0		17.3		16.1																			
2.80								21.0	20.2	19.4	18.6	17.7	17.0	16.3	15.7	15.1	14.7																	
3.00							21.4		19.7		18.2		16.5		15.2		14.2																	
3.15					23.1	22.1	21.2	20.3	19.4	18.7	17.9	17.0	16.2	15.6	15.0	14.4	13.9	13.4	13.0															
3.35					22.8		20.8		19.1		17.5		15.9		14.6		13.6		12.6															
3.55			24.5	23.4	22.5	21.4	20.5	19.7	18.8	18.0	17.2	16.3	15.6	14.9	14.3	13.8	13.3	12.8	12.3	11.9	11.4													
3.75			24.2		22.2		20.2		18.5		16.9		15.3		14.0		13.0		12.0		11.2													
4.00	26.5	25.1	23.9	22.8	21.9	20.8	19.9	19.1	18.2	17.4	16.6	15.8	15.0	14.3	13.7	13.2	12.7	12.2	11.7	11.3	10.9	10.4	10.1											
4.25	26.2		23.7		21.6		19.6		17.9		16.4		14.7		13.4		12.4		11.4		10.6		9.8											
4.50	26.0	24.6	23.4	22.3	21.4	20.3	19.4	18.6	17.7	16.9	16.1	15.2	14.5	13.8	13.2	12.7	12.2	11.7	11.2	10.8	10.3	9.9	9.6	9.1	8.8									
4.75	25.7		23.2		21.2		19.2		17.5		15.9		14.3		13.0		12.0		11.0		10.1		9.3		8.6									
5.00	25.6	24.2	23.0	21.9	21.0	19.9	19.0	18.2	17.3	16.5	15.7	14.8	14.1	13.4	12.8	12.3	11.8	11.3	10.8	10.4	9.9	9.5	9.2	8.7	8.4	7.8								
5.30	25.3		22.8		20.8		18.8		17.1		15.5		13.9		12.6		11.6		10.6		9.7		8.9		8.2	7.6								
5.60	25.2	23.8	22.6	21.5	20.6	19.5	18.6	17.8	16.9	16.1	15.3	14.4	13.7	13.0	12.4	11.9	11.4	10.9	10.4	10.0	9.5	9.1	8.8	8.3	8.0	7.4	7.1	6.8						
6.00	24.9		22.4		20.3		18.4		16.7		15.1		13.5		12.2		11.2		10.2		9.3		8.5		7.8	7.2		6.6						
6.30	24.8	23.4	22.2	21.2	20.2	19.2	18.2	17.4	16.5	15.8	15.0	14.1	13.3	12.6	12.0	11.5	11.0	10.5	10.0	9.6	9.2	8.8	8.4	8.0	7.7	7.0	6.7	6.4	6.2	5.9				
6.70	24.6		22.1		20.0		18.1		16.4		14.8		13.1		11.9		10.8		9.9		9.0		8.2		7.5	6.8		6.3		5.7				
7.10			21.9	20.8	19.9	18.8	17.9	17.1	16.2	15.4	14.6	13.8	13.0	12.3	11.7	11.2	10.7	10.2	9.7	9.3	8.9	8.4	8.1	7.6	7.3	6.7	6.4	6.1	5.8	5.6	5.4	5.2		
7.50					19.7		17.8		16.1		14.5		12.8		11.6		10.6		9.6		8.7		7.9		7.2	6.5		6.0		5.5		5.0		
8.00					19.6	18.5	17.6	16.8	15.9	15.1	14.3	13.5	12.7	12.0	11.4	10.9	10.4	9.9	9.4	9.0	8.6	8.1	7.8	7.3	7.0	6.4	6.1	5.8	5.5	5.3	5.1	4.9	4.7	4.5
8.50							17.5		15.8		14.2		12.6		11.3		10.3		9.3		8.4		7.6		6.9	6.3		5.7		5.2		4.8		4.4
9.00							17.4	16.5	15.7	14.9	14.1	13.2	12.4	11.8	11.2	10.6	10.1	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.8	6.1	5.9	5.6	5.3	5.0	4.8	4.6	4.4	4.2
9.50									15.5		14.0		12.3		11.1		10.0		9.1		8.2		7.4		6.7	6.0		5.4		4.9		4.5		4.1
10.00									15.5	14.7	13.9	13.0	12.2	11.6	11.0	10.4	9.9	9.4	9.0	8.5	8.1	7.7	7.3	6.9	6.6	5.9	5.7	5.3	5.1	4.8	4.6	4.4	4.2	4.0
10.60											13.8		12.1		10.9		9.8		8.9		8.0		7.2		6.5	5.8		5.2		4.7		4.3		3.9
11.20											13.7	12.8	12.0	11.4	10.8	10.2	9.7	9.2	8.8	8.3	7.9	7.5	7.1	6.7	6.4	5.7	5.5	5.2	4.9	4.6	4.4	4.2	4.0	3.8
11.80													12.0		10.7		9.7		8.7		7.8		7.0		6.3	5.7		5.1		4.6		4.2		3.8
12.50													11.9	11.2	10.6	10.1	9.6	9.1	8.6	8.2	7.7	7.3	6.9	6.5	6.2	5.6	5.3	5.0	4.7	4.5	4.3	4.1	3.9	3.7
13.20															10.5		9.5		8.5		7.7		6.9		6.1	5.5		4.9		4.4		4.0		3.6
14.00															10.4	9.9	9.4	8.9	8.4	8.0	7.6	7.2	6.8	6.4	6.1	5.4	5.1	4.8	4.6	4.3	4.1	3.9	3.7	3.5
15.00																	9.3		8.3		7.5		6.7		6.0	5.3		4.7		4.2		3.8		
16.00																	9.3	8.7	8.3	7.9	7.4	7.0	6.6	6.2	5.9	5.2	5.0	4.7	4.4	4.2	3.9	3.7		

MOZART V9 SINGLE
with 900 mm Diversion Pulley

HYDRAULIC DIAMETER MAX. 8 mm, VD = 28.1 / HYDRAULIC DIAMETER MIN. 1.33 mm, VD = 35.3

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												34.8	34.7																					
2.36											34.8		34.7																					
2.50										34.9	34.8	34.7	34.6	34.6	34.5																			
2.65									34.9		34.8		34.6		34.4																			
2.80								34.9	34.9	34.8	34.7	34.6	34.5	34.5	34.4	34.3	34.2																	
3.00							35.0		34.8		34.7		34.5		34.3		34.1																	
3.15					35.1	35.0	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.4	34.3	34.2	34.1	34.0	33.9															
3.35					35.1		34.9		34.8		34.6		34.4		34.2		34.0		33.8															
3.55			35.2	35.1	35.1	35.0	34.9	34.8	34.7	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9	33.8	33.7	33.6													
3.75			35.2		35.0		34.9		34.7		34.5		34.3		34.1		33.9		33.7		33.5													
4.00	35.3	35.2	35.1	35.1	35.0	34.9	34.8	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9	33.7	33.6	33.5	33.4	33.3	33.2											
4.25	35.3		35.1		35.0		34.8		34.7		34.5		34.2		34.0		33.8		33.6		33.3		33.1											
4.50	35.3	35.2	35.1	35.0	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9	33.7	33.6	33.5	33.4	33.3	33.1	33.0	32.8	32.7									
4.75	35.3		35.1		35.0		34.8		34.6		34.4		34.2		33.9		33.7		33.4		33.2		32.9		32.6									
5.00	35.2	35.2	35.1	35.0	34.9	34.8	34.8	34.7	34.6	34.5	34.4	34.2	34.1	34.0	33.9	33.8	33.7	33.5	33.4	33.3	33.1	33.0	32.9	32.7	32.6	32.3								
5.30	35.2		35.1		34.9		34.7		34.6		34.3		34.1		33.8		33.6		33.3		33.1		32.8		32.5	32.1								
5.60	35.2	35.1	35.1	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.0	33.9	33.8	33.7	33.6	33.4	33.3	33.2	33.0	32.9	32.7	32.5	32.4	32.0	31.9	31.7						
6.00	35.2		35.0		34.9		34.7		34.5		34.3		34.0		33.7		33.5		33.2		32.9		32.6		32.3	31.9		31.6						
6.30	35.2	35.1	35.0	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.1	34.0	33.8	33.7	33.6	33.5	33.3	33.2	33.0	32.9	32.7	32.6	32.3	32.2	31.8	31.7	31.5	31.3	31.1				
6.70	35.2		35.0		34.9		34.7		34.5		34.2		33.9		33.7		33.4		33.1		32.8		32.5		32.1	31.7		31.3		30.9				
7.10			35.0	34.9	34.8	34.7	34.6	34.6	34.4	34.3	34.2	34.1	33.9	33.8	33.6	33.5	33.4	33.2	33.1	32.9	32.7	32.6	32.4	32.2	32.0	31.6	31.4	31.2	31.0	30.8	30.6	30.4		
7.50					34.8		34.6		34.4		34.2		33.9		33.6		33.3		33.0		32.7		32.3		31.9	31.5		31.1		30.7		30.3		
8.00					34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.0	33.9	33.7	33.6	33.4	33.3	33.1	33.0	32.8	32.6	32.4	32.3	32.0	31.9	31.4	31.2	31.0	30.7	30.5	30.3	30.1	29.9	29.6
8.50							34.6		34.4		34.1		33.8		33.5		33.2		32.9		32.6		32.2		31.8	31.3		30.9		30.4		29.9		29.4
9.00							34.6	34.5	34.4	34.3	34.1	34.0	33.8	33.6	33.5	33.3	33.2	33.0	32.9	32.7	32.5	32.3	32.1	31.9	31.7	31.2	31.0	30.8	30.5	30.3	30.0	29.8	29.5	29.3
9.50									34.4		34.1		33.8		33.5		33.2		32.8		32.5		32.1		31.6	31.2		30.7		30.1		29.7		29.1
10.00									34.3	34.2	34.1	33.9	33.8	33.6	33.4	33.3	33.1	33.0	32.8	32.6	32.4	32.2	32.0	31.8	31.6	31.1	30.8	30.6	30.3	30.0	29.8	29.5	29.3	29.0
10.60											34.1		33.7		33.4		33.1		32.7		32.4		32.0		31.5	31.0		30.5		29.9		29.4		28.8
11.20											34.0	33.9	33.7	33.5	33.4	33.2	33.1	32.9	32.7	32.5	32.3	32.1	31.9	31.6	31.4	30.9	30.7	30.4	30.1	29.8	29.5	29.3	29.0	28.7
11.80													33.7		33.4		33.0		32.7		32.3		31.9		31.4	30.8		30.3		29.7		29.2		28.5
12.50													33.7	33.5	33.3	33.2	33.0	32.8	32.6	32.4	32.2	32.0	31.8	31.5	31.3	30.8	30.5	30.2	29.9	29.6	29.3	29.0	28.7	28.4
13.20															33.3		33.0		32.6		32.2		31.7		31.2	30.7		30.1		29.5		28.9		28.2
14.00															33.3	33.1	33.0	32.8	32.6	32.4	32.2	31.9	31.7	31.4	31.2	30.6	30.4	30.0	29.7	29.4	29.1	28.8	28.4	28.1
15.00																	32.9		32.5		32.1		31.6		31.1	30.5		29.9		29.3		28.6		
16.00																	32.9	32.7	32.5	32.3	32.1	31.8	31.6	31.3	31.1	30.5	30.2	29.8	29.5	29.2	28.8	28.5		

MOZART V9 SINGLE
with 900 mm Diversion Pulley

INDICATION OF ENERGY CONSUMPTION SINGLE, KWh/kg

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2,12																																		
2,24												2,80	2,70																					
2,36											2,79		2,60																					
2,50										2,75	2,67	2,57	2,49	2,41	2,34																			
2,65									2,69		2,54		2,38		2,25																			
2,80								2,63	2,56	2,50	2,43	2,36	2,29	2,22	2,17	2,11	2,06																	
3,00							2,53		2,41		2,30		2,17		2,06		1,97																	
3,15					2,54	2,48	2,42	2,37	2,31	2,26	2,21	2,15	2,09	2,04	1,99	1,95	1,90	1,85	1,81															
3,35					2,39		2,29		2,20		2,10		2,00		1,90		1,82		1,74															
3,55			2,35	2,31	2,26	2,22	2,17	2,13	2,09	2,05	2,00	1,95	1,91	1,87	1,83	1,79	1,75	1,71	1,68	1,64	1,60													
3,75			2,23		2,15		2,07		1,99		1,92		1,83		1,75		1,69		1,62		1,55													
4,00	2,17	2,13	2,09	2,05	2,02	1,98	1,95	1,92	1,88	1,85	1,82	1,78	1,74	1,70	1,67	1,64	1,61	1,58	1,55	1,52	1,49	1,45	1,42											
4,25	2,04		1,97		1,91		1,84		1,79		1,73		1,66		1,60		1,54		1,49		1,43		1,37											
4,50	1,93	1,89	1,86	1,83	1,81	1,78	1,75	1,73	1,70	1,67	1,64	1,61	1,58	1,56	1,53	1,50	1,48	1,45	1,43	1,40	1,38	1,35	1,32	1,29	1,27									
4,75	1,82		1,76		1,72		1,67		1,62		1,57		1,52		1,47		1,42		1,38		1,33		1,28		1,23									
5,00	1,73	1,70	1,68	1,66	1,63	1,61	1,59	1,57	1,55	1,53	1,50	1,48	1,45	1,43	1,41	1,39	1,37	1,35	1,33	1,31	1,28	1,26	1,24	1,21	1,19	1,14								
5,30	1,63		1,59		1,55		1,51		1,47		1,43		1,39		1,35		1,31		1,27		1,23		1,19		1,15	1,10								
5,60	1,54	1,52	1,50	1,48	1,47	1,45	1,43	1,42	1,40	1,38	1,37	1,34	1,33	1,31	1,29	1,27	1,26	1,24	1,22	1,21	1,19	1,17	1,15	1,13	1,11	1,07	1,05	1,03						
6,00	1,44		1,40		1,37		1,34		1,32		1,29		1,25		1,22		1,19		1,16		1,13		1,10		1,06	1,03		0,99						
6,30	1,37	1,35	1,34	1,33	1,31	1,30	1,29	1,27	1,26	1,25	1,23	1,22	1,20	1,19	1,17	1,16	1,15	1,13	1,12	1,11	1,09	1,08	1,06	1,04	1,03	1,00	0,98	0,96	0,94	0,93				
6,70	1,29		1,26		1,24		1,21		1,19		1,17		1,14		1,12		1,09		1,07		1,04		1,02		0,99	0,96		0,93		0,90				
7,10			1,19	1,18	1,17	1,16	1,15	1,14	1,13	1,12	1,11	1,10	1,09	1,08	1,06	1,05	1,04	1,03	1,02	1,01	1,00	0,99	0,98	0,96	0,95	0,93	0,91	0,90	0,88	0,87	0,86	0,84		
7,50					1,11		1,09		1,08		1,06		1,04		1,02		1,00		0,98		0,96		0,94		0,92	0,89		0,87		0,84		0,82		
8,00					1,05	1,04	1,03	1,02	1,01	1,01	1,00	0,99	0,98	0,97	0,96	0,96	0,95	0,94	0,93	0,92	0,92	0,91	0,90	0,89	0,88	0,86	0,85	0,83	0,82	0,81	0,80	0,79	0,78	0,77
8,50							0,97		0,96		0,95		0,93		0,92		0,90		0,89		0,87		0,86		0,84	0,82		0,80		0,78		0,76		0,74
9,00							0,92	0,92	0,91	0,90	0,90	0,89	0,89	0,88	0,87	0,87	0,86	0,86	0,85	0,84	0,84	0,83	0,82	0,81	0,81	0,79	0,78	0,77	0,77	0,76	0,75	0,74	0,73	0,72
9,50									0,87		0,86		0,84		0,83		0,82		0,81		0,80		0,79		0,78	0,76		0,75		0,73		0,72		0,70
10,00									0,83	0,82	0,82	0,81	0,81	0,80	0,80	0,79	0,79	0,78	0,78	0,77	0,77	0,76	0,76	0,75	0,75	0,74	0,73	0,72	0,72	0,71	0,70	0,70	0,69	0,68
10,60											0,77		0,77		0,76		0,75		0,74		0,73		0,73		0,72	0,71		0,69		0,68		0,67		0,66
11,20											0,74	0,73	0,73	0,73	0,72	0,72	0,72	0,71	0,71	0,71	0,70	0,70	0,70	0,69	0,69	0,68	0,67	0,67	0,66	0,66	0,65	0,65	0,64	0,64
11,80													0,70		0,69		0,68		0,68		0,67		0,67		0,66	0,65		0,64		0,64		0,63		0,62
12,50													0,66	0,66	0,66	0,65	0,65	0,65	0,65	0,64	0,64	0,64	0,64	0,63	0,63	0,63	0,62	0,62	0,62	0,61	0,61	0,61	0,60	0,60
13,20															0,62		0,62		0,62		0,61		0,61		0,61	0,60		0,60		0,59		0,58		0,58
14,00															0,59	0,59	0,59	0,59	0,59	0,59	0,58	0,58	0,58	0,58	0,58	0,57	0,57	0,57	0,57	0,57	0,56	0,56	0,56	0,56
15,00																	0,56		0,55		0,55		0,55		0,55	0,54		0,54		0,54		0,54		
16,00																	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,51	0,51	0,51		

MOZART V9 SINGLE
with 900 mm Diversion Pulley

MAG Maschinen- und Apparatebau AG, Wirtschaftspark 44, A-8530 Deutschlandsberg,
Phone +43-3462-2545, Fax +43-3462-2545-125, E-mail: mag@mag.at, www.mag.at

MOZART V9 SINGLE

DELTA GENERATION VERTICAL DUAL LINE WIRE ENAMELLING MACHINE

DIMENSION RANGE

MOZART V9 SINGLE
for heavy round and rectangular wire

MOZART V9/1–1/14 D
MOZART V9/2–2/14 D
MOZART V9/4–4/14 D

• Number of lines   ☐ Number of ovens   D = dies

2–5.2 mm / awg 12–4; 3–80 mm²

The vertical Mozart V9 enamelling machine is the latest progressive standard of a perfect solution for the production of prime-, base and over-coated heavy round or rectangular wires with a single line and dual line system. It works with up to five different enamels with equal baking conditions. The Mozart V9 concept offers high reliability, efficiency, flexibility and perfect quality. The machine is available with up to 4 ovens in a common base frame.

TECHNICAL DATA

PRODUCTION DATA	
Speed range	0–40 m/min.
Sizes of finished wire reels	max. 1000 mm
RATED POWER	for 1 line*
Total rated power	148 kW (thermal and motive)
MECHANICAL	
Max. number of enamel passes	max. 14 (up to 5 enamels)
Oven-length	10.1 m
Annealer-length	15.4 m

* not valid for SB-machines

DIMENSIONS

RECTANGULAR WIRE	
Max. Cross-section area	80.00 mm²
Min. Cross-section area	3.00 mm²
Max. Nominal width	20.00 mm
Min. Nominal width	2.00 mm
Max. Nominal thickness	5.60 mm
Min. Nominal thickness	0.90 mm
ROUND WIRE	
max. 5.200 mm, min. 2.000 mm	

HYDRAULIC DIAMETER (mm)

MOZART V9 SINGLE with 900 mm Diversion Pulley

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												1.80	1.87																					
2.36											1.76		1.91																					
2.50										1.73	1.79	1.88	1.95	2.02	2.09																			
2.65									1.70		1.83		2.00		2.14																			
2.80								1.66	1.73	1.79	1.87	1.95	2.04	2.12	2.19	2.26	2.33																	
3.00							1.63		1.76		1.91		2.09		2.25		2.40																	
3.15					1.52	1.59	1.65	1.72	1.79	1.86	1.94	2.03	2.12	2.21	2.29	2.37	2.45	2.53	2.62															
3.35					1.54		1.68		1.82		1.97		2.17		2.34		2.50		2.68															
3.55			1.44	1.50	1.56	1.63	1.70	1.77	1.85	1.92	2.01	2.11	2.21	2.30	2.39	2.48	2.56	2.65	2.75	2.84	2.93													
3.75			1.45		1.58		1.72		1.88		2.04		2.24		2.43		2.61		2.80		3.00													
4.00	1.33	1.40	1.47	1.54	1.60	1.68	1.75	1.82	1.90	1.98	2.07	2.18	2.29	2.39	2.48	2.58	2.67	2.77	2.87	2.97	3.08	3.19	3.29											
4.25	1.35		1.49		1.62		1.77		1.93		2.11		2.32		2.53		2.72		2.93		3.15		3.38											
4.50	1.36	1.43	1.50	1.57	1.64	1.72	1.79	1.87	1.96	2.04	2.14	2.25	2.36	2.47	2.57	2.67	2.77	2.88	2.99	3.10	3.21	3.34	3.45	3.60	3.71									
4.75	1.37		1.51		1.65		1.81		1.98		2.16		2.39		2.61		2.81		3.04		3.28		3.52		3.79									
5.00	1.38	1.45	1.53	1.60	1.67	1.75	1.83	1.91	2.00	2.09	2.19	2.31	2.42	2.54	2.65	2.75	2.86	2.98	3.09	3.21	3.33	3.46	3.59	3.75	3.87	4.15								
5.30	1.39		1.54		1.68		1.85		2.02		2.21		2.46		2.69		2.90		3.15		3.40		3.66		3.95	4.25								
5.60	1.40	1.48	1.55	1.62	1.70	1.78	1.87	1.95	2.04	2.14	2.24	2.37	2.49	2.61	2.72	2.84	2.95	3.08	3.20	3.32	3.46	3.60	3.73	3.91	4.03	4.35	4.49	4.67						
6.00	1.41		1.57		1.71		1.89		2.07		2.27		2.53		2.77		3.00		3.26		3.53		3.82		4.13	4.46		4.80						
6.30	1.42	1.50	1.58	1.65	1.73	1.81	1.90	1.99	2.09	2.18	2.29	2.42	2.55	2.68	2.80	2.92	3.04	3.17	3.30	3.43	3.58	3.73	3.88	4.06	4.20	4.54	4.70	4.89	5.08	5.25				
6.70	1.43		1.59		1.74		1.92		2.11		2.32		2.58		2.84		3.08		3.36		3.64		3.95		4.29	4.64		5.01		5.38				
7.10			1.60	1.68	1.75	1.84	1.93	2.02	2.13	2.23	2.34	2.48	2.61	2.74	2.87	3.00	3.12	3.27	3.41	3.54	3.70	3.86	4.02	4.22	4.36	4.73	4.91	5.12	5.32	5.51	5.69	5.87		
7.50					1.76		1.95		2.14		2.36		2.64		2.90		3.16		3.45		3.75		4.08		4.44	4.82		5.22		5.63		6.00		
8.00					1.78	1.87	1.96	2.06	2.16	2.27	2.38	2.53	2.67	2.80	2.94	3.07	3.20	3.35	3.50	3.64	3.81	3.98	4.15	4.36	4.52	4.92	5.11	5.33	5.55	5.76	5.96	6.15	6.38	6.59
8.50							1.98		2.18		2.40		2.69		2.97		3.24		3.55		3.86		4.21		4.60	5.01		5.44		5.88		6.30		6.75
9.00							1.99	2.09	2.20	2.30	2.42	2.57	2.72	2.86	3.00	3.14	3.27	3.43	3.59	3.74	3.91	4.09	4.27	4.50	4.67	5.09	5.29	5.54	5.77	6.00	6.22	6.43	6.67	6.90
9.50									2.21		2.44		2.74		3.03		3.30		3.63		3.96		4.33		4.73	5.17		5.63		6.11		6.55		7.05
10.00									2.22	2.33	2.46	2.61	2.76	2.91	3.05	3.19	3.33	3.50	3.66	3.82	4.00	4.19	4.38	4.62	4.79	5.24	5.45	5.71	5.96	6.21	6.44	6.67	6.93	7.18
10.60											2.47		2.78		3.08		3.37		3.70		4.05		4.43		4.86	5.32		5.81		6.32		6.79		7.33
11.20											2.49	2.65	2.80	2.95	3.10	3.25	3.39	3.57	3.73	3.90	4.09	4.29	4.48	4.73	4.92	5.39	5.62	5.89	6.16	6.42	6.67	6.91	7.20	7.47
11.80													2.82		3.12		3.42		3.77		4.13		4.53		4.97	5.46		5.97		6.52		7.02		7.60
12.50													2.84	2.99	3.15	3.30	3.45	3.63	3.80	3.97	4.17	4.37	4.58	4.84	5.03	5.53	5.77	6.06	6.34	6.62	6.88	7.14	7.44	7.73
13.20															3.17		3.47		3.83		4.20		4.62		5.09	5.60		6.14		6.71		7.25		7.86
14.00															3.19	3.35	3.50	3.68	3.86	4.04	4.24	4.46	4.67	4.94	5.14	5.66	5.92	6.22	6.52	6.81	7.09	7.37	7.69	8.00
15.00																	3.53		3.90		4.29		4.72		5.21	5.74		6.32		6.92		7.50		
16.00																	3.56	3.74	3.93	4.11	4.32	4.55	4.77	5.05	5.26	5.81	6.08	6.40	6.72	7.02	7.33	7.62		

NOMINAL CROSS-SECTIONAL AREAS FOR PREFERRED AND INTERMEDIATE SIZES (mm²)

MOZART V9 SINGLE with 900 mm Diversion Pulley

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												3.15	3.37																					
2.36											3.09		3.56																					
2.50										3.09	3.29	3.54	3.79	3.89	4.14																			
2.65									3.10		3.50		4.03		4.41																			
2.80								3.09	3.29	3.48	3.71	3.99	4.27	4.40	4.68	4.96	5.24																	
3.00							3.15		3.54		3.99		4.59		5.04		5.64																	
3.15					3.01	3.12	3.31	3.50	3.72	3.94	4.20	4.51	4.83	4.99	5.31	5.62	5.94	6.32	6.69															
3.35					3.21		3.54		3.97		4.48		5.15		5.67		6.34		7.14															
3.55			3.06	3.24	3.41	3.55	3.76	3.97	4.22	4.47	4.76	5.11	5.47	5.67	6.03	6.38	6.74	7.16	7.59	7.83	8.33													
3.75			3.24		3.61		3.99		4.47		5.04		5.79		6.39		7.14		8.04		8.83													
4.00	3.1	3.26	3.46	3.66	3.86	4.03	4.27	4.51	4.79	5.07	5.39	5.79	6.19	6.44	6.84	7.24	7.64	8.12	8.60	8.89	9.45	10.1	10.7											
4.25	3.3		3.69		4.11		4.55		5.10		5.74		6.59		7.29		8.14		9.16		10.1		11.4											
4.50	3.5	3.69	3.91	4.14	4.36	4.56	4.83	5.10	5.41	5.73	6.09	6.54	6.99	7.29	7.74	8.19	8.64	9.18	9.72	10.1	10.7	11.4	12.1	13.0	13.6									
4.75	3.7		4.14		4.61		5.11		5.72		6.44		7.39		8.19		9.14		10.3		11.3		12.8		14.4									
5.00	3.9	4.11	4.36	4.61	4.86	5.09	5.39	5.69	6.04	6.39	6.79	7.29	7.79	8.14	8.64	9.14	9.64	10.2	10.8	11.3	12.0	12.7	13.5	14.5	15.2	17.2								
5.30	4.1		4.63		5.16		5.72		6.41		7.21		8.27		9.18		10.2		11.5		12.7		14.3		16.1	18.3								
5.60	4.3	4.62	4.90	5.18	5.46	5.72	6.06	6.39	6.79	7.18	7.63	8.19	8.75	9.16	9.72	10.3	10.8	11.5	12.2	12.7	13.5	14.3	15.1	16.3	17.1	19.3	20.1	21.5						
6.00	4.7		5.26		5.86		6.51		7.29		8.19		9.39		10.4		11.6		13.1		14.5		16.3		18.4	20.8		23.1						
6.30	4.9	5.22	5.53	5.85	6.16	6.46	6.84	7.22	7.66	8.10	8.61	9.24	9.87	10.3	11.0	11.6	12.2	13.0	13.7	14.3	15.2	16.1	17.1	18.4	19.3	21.8	22.8	24.3	25.9	27.5				
6.70	5.2		5.89		6.56		7.29		8.16		9.17		10.5		11.7		13.0		14.6		16.2		18.2		20.6	23.2		25.9		29.3				
7.10			6.25	6.61	6.96	7.31	7.74	8.16	8.66	9.16	9.73	10.4	11.1	11.7	12.4	13.1	13.8	14.7	15.5	16.2	17.2	18.3	19.3	20.8	21.8	24.7	25.8	27.5	29.3	31.1	32.9	34.64		
7.50					7.36		8.19		9.16		10.3		11.8		13.1		14.6		16.4		18.2		20.5		23.1	26.1		29.1		32.9		36.64		
8.00					7.86	8.27	8.75	9.23	9.79	10.3	11.0	11.8	12.6	13.2	14.0	14.8	15.6	16.3	17.6	18.3	19.5	20.7	21.9	23.5	24.7	27.9	29.1	31.1	33.1	35.1	37.1	39.14	41.5	43.9
8.50							9.31		10.4		11.7		13.4		14.9		16.6		18.7		20.7		23.3		26.2	29.6		33.1		37.4		41.64		46.7
9.00							9.87	10.4	11.0	11.7	12.4	13.3	14.2	14.9	15.8	16.7	17.6	18.7	19.8	20.7	22.0	23.3	24.7	26.5	27.8	31.4	32.9	35.1	37.4	39.6	41.9	44.14	46.8	49.5
9.50									11.7		13.1		15.0		16.7		18.6		20.9		23.2		26.1		29.4	33.2		37.1		41.9		46.64		52.3
10.00									12.3	13.0	13.8	14.8	15.8	16.6	17.6	18.6	19.6	20.8	22.0	23.1	24.5	26.0	27.5	29.5	31.0	35.0	36.6	39.1	41.6	44.1	46.6	49.14	52.1	55.1
10.60											14.6		16.7		18.7		20.8		23.4		26.0		29.1		32.8	37.1		41.5		46.8		52.14		58.5
11.20											15.5	16.6	17.7	18.7	19.8	20.9	22.0	23.4	24.7	25.9	27.5	29.1	30.8	33.1	34.7	39.2	41.1	43.9	46.7	49.5	52.3	55.14	58.5	61.9
11.80													18.7		20.9		23.2		26.0		29.0		32.5		36.6	41.3		46.3		52.2		58.14		65.2
12.50													19.8	20.9	22.1	23.4	24.6	26.1	27.6	29.0	30.7	32.6	34.5	37.0	38.8	43.8	46.0	49.1	52.3	55.4	58.5	61.64	65.4	69.1
13.20															23.4		26.0		29.2		32.5		36.4		41.0	46.3		51.9		58.5		65.14		73.1
14.00															24.8	26.2	27.6	29.3	31.0	32.5	34.5	36.6	38.7	41.5	43.6	49.2	51.6	55.1	58.6	62.1	65.6	69.14	73.3	77.5
15.00																	29.6		33.2		37.0		41.5		46.7	52.7		59.1		66.6		74.14		
16.00																	31.6	33.6	35.5	37.2	39.5	41.9	44.3	47.5	49.9	56.3	59.1	63.1	67.1	71.1	75.1	79.14		

INDICATION OF PRODUCTION OUTPUT SINGLE, TONS PER 1 DAY

MOZART V9 SINGLE with 900 mm Diversion Pulley

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												0.8	0.8																					
2.36											0.8		0.8																					
2.50										0.8	0.8	0.8	0.9	0.9	0.9																			
2.65									0.8		0.8		0.9		0.9																			
2.80								0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0																	
3.00							0.9		0.9		0.9		1.0		1.0		1.0																	
3.15					0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1															
3.35					0.9		0.9		1.0		1.0		1.0		1.1		1.1		1.2															
3.55			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2													
3.75			1.0		1.0		1.0		1.1		1.1		1.1		1.1		1.2		1.2		1.3													
4.00	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4											
4.25	1.1		1.1		1.1		1.1		1.2		1.2		1.2		1.3		1.3		1.3		1.4		1.4											
4.50	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5									
4.75	1.2		1.2		1.3		1.3		1.3		1.3		1.4		1.4		1.4		1.4		1.5		1.5		1.6									
5.00	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7								
5.30	1.3		1.4		1.4		1.4		1.4		1.4		1.5		1.5		1.5		1.6		1.6		1.6		1.7	1.8								
5.60	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9						
6.00	1.5		1.5		1.5		1.5		1.6		1.6		1.6		1.6		1.7		1.7		1.7		1.8		1.8	1.9		1.9						
6.30	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.0	2.1				
6.70	1.6		1.7		1.7		1.7		1.7		1.7		1.8		1.8		1.8		1.9		1.9		1.9		2.0	2.0		2.1		2.2				
7.10			1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3		
7.50					1.9		1.9		1.9		1.9		1.9		1.9		2.0		2.0		2.0		2.1		2.1	2.2		2.2		2.3		2.4		
8.00					2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.5
8.50							2.1		2.1		2.1		2.2		2.2		2.2		2.2		2.2		2.3		2.3	2.4		2.4		2.5		2.5		2.6
9.00							2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7
9.50									2.3		2.3		2.4		2.4		2.4		2.4		2.4		2.5		2.5	2.6		2.6		2.6		2.7		2.8
10.00									2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.9
10.60											2.6		2.6		2.6		2.6		2.7		2.7		2.7		2.7	2.8		2.8		2.8		2.9		2.9
11.20											2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0
11.80													2.9		2.9		2.9		2.9		2.9		2.9		3.0	3.0		3.0		3.1		3.1		3.1
12.50													3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.3
13.20															3.2		3.2		3.2		3.2		3.2		3.2	3.3		3.3		3.3		3.3		3.4
14.00															3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5
15.00																	3.5		3.6		3.5		3.6		3.6	3.6		3.6		3.6		3.6		
16.00																	3.8	3.8	3.8	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8		

INDICATION OF HYDRAULIC PRODUCTION SPEED (m/min), PVA GRADE 1

MOZART V9 SINGLE with 900 mm Diversion Pulley

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												19.4	18.6																					
2.36											19.8		18.2																					
2.50										20.2	19.4	18.5	17.7	17.1	16.5																			
2.65									20.5		19.0		17.3		16.1																			
2.80								21.0	20.2	19.4	18.6	17.7	17.0	16.3	15.7	15.1	14.7																	
3.00							21.4		19.7		18.2		16.5		15.2		14.2																	
3.15					23.1	22.1	21.2	20.3	19.4	18.7	17.9	17.0	16.2	15.6	15.0	14.4	13.9	13.4	13.0															
3.35					22.8		20.8		19.1		17.5		15.9		14.6		13.6		12.6															
3.55			24.5	23.4	22.5	21.4	20.5	19.7	18.8	18.0	17.2	16.3	15.6	14.9	14.3	13.8	13.3	12.8	12.3	11.9	11.4													
3.75			24.2		22.2		20.2		18.5		16.9		15.3		14.0		13.0		12.0		11.2													
4.00	26.5	25.1	23.9	22.8	21.9	20.8	19.9	19.1	18.2	17.4	16.6	15.8	15.0	14.3	13.7	13.2	12.7	12.2	11.7	11.3	10.9	10.4	10.1											
4.25	26.2		23.7		21.6		19.6		17.9		16.4		14.7		13.4		12.4		11.4		10.6		9.8											
4.50	26.0	24.6	23.4	22.3	21.4	20.3	19.4	18.6	17.7	16.9	16.1	15.2	14.5	13.8	13.2	12.7	12.2	11.7	11.2	10.8	10.3	9.9	9.6	9.1	8.8									
4.75	25.7		23.2		21.2		19.2		17.5		15.9		14.3		13.0		12.0		11.0		10.1		9.3		8.6									
5.00	25.6	24.2	23.0	21.9	21.0	19.9	19.0	18.2	17.3	16.5	15.7	14.8	14.1	13.4	12.8	12.3	11.8	11.3	10.8	10.4	9.9	9.5	9.2	8.7	8.4	7.8								
5.30	25.3		22.8		20.8		18.8		17.1		15.5		13.9		12.6		11.6		10.6		9.7		8.9		8.2	7.6								
5.60	25.2	23.8	22.6	21.5	20.6	19.5	18.6	17.8	16.9	16.1	15.3	14.4	13.7	13.0	12.4	11.9	11.4	10.9	10.4	10.0	9.5	9.1	8.8	8.3	8.0	7.4	7.1	6.8						
6.00	24.9		22.4		20.3		18.4		16.7		15.1		13.5		12.2		11.2		10.2		9.3		8.5		7.8	7.2		6.6						
6.30	24.8	23.4	22.2	21.2	20.2	19.2	18.2	17.4	16.5	15.8	15.0	14.1	13.3	12.6	12.0	11.5	11.0	10.5	10.0	9.6	9.2	8.8	8.4	8.0	7.7	7.0	6.7	6.4	6.2	5.9				
6.70	24.6		22.1		20.0		18.1		16.4		14.8		13.1		11.9		10.8		9.9		9.0		8.2		7.5	6.8		6.3		5.7				
7.10			21.9	20.8	19.9	18.8	17.9	17.1	16.2	15.4	14.6	13.8	13.0	12.3	11.7	11.2	10.7	10.2	9.7	9.3	8.9	8.4	8.1	7.6	7.3	6.7	6.4	6.1	5.8	5.6	5.4	5.2		
7.50					19.7		17.8		16.1		14.5		12.8		11.6		10.6		9.6		8.7		7.9		7.2	6.5		6.0		5.5		5.0		
8.00					19.6	18.5	17.6	16.8	15.9	15.1	14.3	13.5	12.7	12.0	11.4	10.9	10.4	9.9	9.4	9.0	8.6	8.1	7.8	7.3	7.0	6.4	6.1	5.8	5.5	5.3	5.1	4.9	4.7	4.5
8.50							17.5		15.8		14.2		12.6		11.3		10.3		9.3		8.4		7.6		6.9	6.3		5.7		5.2		4.8		4.4
9.00							17.4	16.5	15.7	14.9	14.1	13.2	12.4	11.8	11.2	10.6	10.1	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.8	6.1	5.9	5.6	5.3	5.0	4.8	4.6	4.4	4.2
9.50									15.5		14.0		12.3		11.1		10.0		9.1		8.2		7.4		6.7	6.0		5.4		4.9		4.5		4.1
10.00									15.5	14.7	13.9	13.0	12.2	11.6	11.0	10.4	9.9	9.4	9.0	8.5	8.1	7.7	7.3	6.9	6.6	5.9	5.7	5.3	5.1	4.8	4.6	4.4	4.2	4.0
10.60											13.8		12.1		10.9		9.8		8.9		8.0		7.2		6.5	5.8		5.2		4.7		4.3		3.9
11.20											13.7	12.8	12.0	11.4	10.8	10.2	9.7	9.2	8.8	8.3	7.9	7.5	7.1	6.7	6.4	5.7	5.5	5.2	4.9	4.6	4.4	4.2	4.0	3.8
11.80													12.0		10.7		9.7		8.7		7.8		7.0		6.3	5.7		5.1		4.6		4.2		3.8
12.50													11.9	11.2	10.6	10.1	9.6	9.1	8.6	8.2	7.7	7.3	6.9	6.5	6.2	5.6	5.3	5.0	4.7	4.5	4.3	4.1	3.9	3.7
13.20															10.5		9.5		8.5		7.7		6.9		6.1	5.5		4.9		4.4		4.0		3.6
14.00															10.4	9.9	9.4	8.9	8.4	8.0	7.6	7.2	6.8	6.4	6.1	5.4	5.1	4.8	4.6	4.3	4.1	3.9	3.7	3.5
15.00																	9.3		8.3		7.5		6.7		6.0	5.3		4.7		4.2		3.8		
16.00																	9.3	8.7	8.3	7.9	7.4	7.0	6.6	6.2	5.9	5.2	5.0	4.7	4.4	4.2	3.9	3.7		

HYDRAULIC DIAMETER MAX. 8 mm, VD = 28.1 / HYDRAULIC DIAMETER MIN. 1.33 mm, VD = 35.3

MOZART V9 SINGLE with 900 mm Diversion Pulley

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2.12																																		
2.24												34.8	34.7																					
2.36											34.8		34.7																					
2.50										34.9	34.8	34.7	34.6	34.6	34.5																			
2.65									34.9		34.8		34.6		34.4																			
2.80								34.9	34.9	34.8	34.7	34.6	34.5	34.5	34.4	34.3	34.2																	
3.00							35.0		34.8		34.7		34.5		34.3		34.1																	
3.15					35.1	35.0	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.4	34.3	34.2	34.1	34.0	33.9															
3.35					35.1		34.9		34.8		34.6		34.4		34.2		34.0		33.8															
3.55			35.2	35.1	35.1	35.0	34.9	34.8	34.7	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9	33.8	33.7	33.6													
3.75			35.2		35.0		34.9		34.7		34.5		34.3		34.1		33.9		33.7		33.5													
4.00	35.3	35.2	35.1	35.1	35.0	34.9	34.8	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9	33.7	33.6	33.5	33.4	33.3	33.2											
4.25	35.3		35.1		35.0		34.8		34.7		34.5		34.2		34.0		33.8		33.6		33.3		33.1											
4.50	35.3	35.2	35.1	35.0	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9	33.7	33.6	33.5	33.4	33.3	33.1	33.0	32.8	32.7									
4.75	35.3		35.1		35.0		34.8		34.6		34.4		34.2		33.9		33.7		33.4		33.2		32.9		32.6									
5.00	35.2	35.2	35.1	35.0	34.9	34.8	34.8	34.7	34.6	34.5	34.4	34.2	34.1	34.0	33.9	33.8	33.7	33.5	33.4	33.3	33.1	33.0	32.9	32.7	32.6	32.3								
5.30	35.2		35.1		34.9		34.7		34.6		34.3		34.1		33.8		33.6		33.3		33.1		32.8		32.5	32.1								
5.60	35.2	35.1	35.1	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.0	33.9	33.8	33.7	33.6	33.4	33.3	33.2	33.0	32.9	32.7	32.5	32.4	32.0	31.9	31.7						
6.00	35.2		35.0		34.9		34.7		34.5		34.3		34.0		33.7		33.5		33.2		32.9		32.6		32.3	31.9		31.6						
6.30	35.2	35.1	35.0	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.1	34.0	33.8	33.7	33.6	33.5	33.3	33.2	33.0	32.9	32.7	32.6	32.3	32.2	31.8	31.7	31.5	31.3	31.1				
6.70	35.2		35.0		34.9		34.7		34.5		34.2		33.9		33.7		33.4		33.1		32.8		32.5		32.1	31.7		31.3		30.9				
7.10			35.0	34.9	34.8	34.7	34.6	34.6	34.4	34.3	34.2	34.1	33.9	33.8	33.6	33.5	33.4	33.2	33.1	32.9	32.7	32.6	32.4	32.2	32.0	31.6	31.4	31.2	31.0	30.8	30.6	30.4		
7.50					34.8		34.6		34.4		34.2		33.9		33.6		33.3		33.0		32.7		32.3		31.9	31.5		31.1		30.7		30.3		
8.00					34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.0	33.9	33.7	33.6	33.4	33.3	33.1	33.0	32.8	32.6	32.4	32.3	32.0	31.9	31.4	31.2	31.0	30.7	30.5	30.3	30.1	29.9	29.6
8.50							34.6		34.4		34.1		33.8		33.5		33.2		32.9		32.6		32.2		31.8	31.3		30.9		30.4		29.9		29.4
9.00							34.6	34.5	34.4	34.3	34.1	34.0	33.8	33.6	33.5	33.3	33.2	33.0	32.9	32.7	32.5	32.3	32.1	31.9	31.7	31.2	31.0	30.8	30.5	30.3	30.0	29.8	29.5	29.3
9.50									34.4		34.1		33.8		33.5		33.2		32.8		32.5		32.1		31.6	31.2		30.7		30.1		29.7		29.1
10.00									34.3	34.2	34.1	33.9	33.8	33.6	33.4	33.3	33.1	33.0	32.8	32.6	32.4	32.2	32.0	31.8	31.6	31.1	30.8	30.6	30.3	30.0	29.8	29.5	29.3	29.0
10.60											34.1		33.7		33.4		33.1		32.7		32.4		32.0		31.5	31.0		30.5		29.9		29.4		28.8
11.20											34.0	33.9	33.7	33.5	33.4	33.2	33.1	32.9	32.7	32.5	32.3	32.1	31.9	31.6	31.4	30.9	30.7	30.4	30.1	29.8	29.5	29.3	29.0	28.7
11.80													33.7		33.4		33.0		32.7		32.3		31.9		31.4	30.8		30.3		29.7		29.2		28.5
12.50													33.7	33.5	33.3	33.2	33.0	32.8	32.6	32.4	32.2	32.0	31.8	31.5	31.3	30.8	30.5	30.2	29.9	29.6	29.3	29.0	28.7	28.4
13.20															33.3		33.0		32.6		32.2		31.7		31.2	30.7		30.1		29.5		28.9		28.2
14.00															33.3	33.1	33.0	32.8	32.6	32.4	32.2	31.9	31.7	31.4	31.2	30.6	30.4	30.0	29.7	29.4	29.1	28.8	28.4	28.1
15.00																	32.9		32.5		32.1		31.6		31.1	30.5		29.9		29.3		28.6		
16.00																	32.9	32.7	32.5	32.3	32.1	31.8	31.6	31.3	31.1	30.5	30.2	29.8	29.5	29.2	28.8	28.5		

INDICATION OF ENERGY CONSUMPTION SINGLE, KWh/kg

MOZART V9 SINGLE with 900 mm Diversion Pulley

NOMINAL THICKNESS (mm)

NOMINAL WIDTH (mm)	radius on corners: 0.4 mm					radius on corners: 0.5 mm								radius on corners: 0.65 mm						radius on corners: 0.8 mm							radius on corners: 1 mm							
mm	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.18	1.25	1.32	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.12	2.24	2.36	2.50	2.65	2.80	3.00	3.15	3.55	3.75	4.00	4.25	4.50	4.75	5.00	5.30	5.60
2,12																																		
2,24												2,80	2,70																					
2,36											2,79		2,60																					
2,50										2,75	2,67	2,57	2,49	2,41	2,34																			
2,65									2,69		2,54		2,38		2,25																			
2,80								2,63	2,56	2,50	2,43	2,36	2,29	2,22	2,17	2,11	2,06																	
3,00							2,53		2,41		2,30		2,17		2,06		1,97																	
3,15					2,54	2,48	2,42	2,37	2,31	2,26	2,21	2,15	2,09	2,04	1,99	1,95	1,90	1,85	1,81															
3,35					2,39		2,29		2,20		2,10		2,00		1,90		1,82		1,74															
3,55			2,35	2,31	2,26	2,22	2,17	2,13	2,09	2,05	2,00	1,95	1,91	1,87	1,83	1,79	1,75	1,71	1,68	1,64	1,60													
3,75			2,23		2,15		2,07		1,99		1,92		1,83		1,75		1,69		1,62		1,55													
4,00	2,17	2,13	2,09	2,05	2,02	1,98	1,95	1,92	1,88	1,85	1,82	1,78	1,74	1,70	1,67	1,64	1,61	1,58	1,55	1,52	1,49	1,45	1,42											
4,25	2,04		1,97		1,91		1,84		1,79		1,73		1,66		1,60		1,54		1,49		1,43		1,37											
4,50	1,93	1,89	1,86	1,83	1,81	1,78	1,75	1,73	1,70	1,67	1,64	1,61	1,58	1,56	1,53	1,50	1,48	1,45	1,43	1,40	1,38	1,35	1,32	1,29	1,27									
4,75	1,82		1,76		1,72		1,67		1,62		1,57		1,52		1,47		1,42		1,38		1,33		1,28		1,23									
5,00	1,73	1,70	1,68	1,66	1,63	1,61	1,59	1,57	1,55	1,53	1,50	1,48	1,45	1,43	1,41	1,39	1,37	1,35	1,33	1,31	1,28	1,26	1,24	1,21	1,19	1,14								
5,30	1,63		1,59		1,55		1,51		1,47		1,43		1,39		1,35		1,31		1,27		1,23		1,19		1,15	1,10								
5,60	1,54	1,52	1,50	1,48	1,47	1,45	1,43	1,42	1,40	1,38	1,37	1,34	1,33	1,31	1,29	1,27	1,26	1,24	1,22	1,21	1,19	1,17	1,15	1,13	1,11	1,07	1,05	1,03						
6,00	1,44		1,40		1,37		1,34		1,32		1,29		1,25		1,22		1,19		1,16		1,13		1,10		1,06	1,03		0,99						
6,30	1,37	1,35	1,34	1,33	1,31	1,30	1,29	1,27	1,26	1,25	1,23	1,22	1,20	1,19	1,17	1,16	1,15	1,13	1,12	1,11	1,09	1,08	1,06	1,04	1,03	1,00	0,98	0,96	0,94	0,93				
6,70	1,29		1,26		1,24		1,21		1,19		1,17		1,14		1,12		1,09		1,07		1,04		1,02		0,99	0,96		0,93		0,90				
7,10			1,19	1,18	1,17	1,16	1,15	1,14	1,13	1,12	1,11	1,10	1,09	1,08	1,06	1,05	1,04	1,03	1,02	1,01	1,00	0,99	0,98	0,96	0,95	0,93	0,91	0,90	0,88	0,87	0,86	0,84		
7,50					1,11		1,09		1,08		1,06		1,04		1,02		1,00		0,98		0,96		0,94		0,92	0,89		0,87		0,84		0,82		
8,00					1,05	1,04	1,03	1,02	1,01	1,01	1,00	0,99	0,98	0,97	0,96	0,96	0,95	0,94	0,93	0,92	0,92	0,91	0,90	0,89	0,88	0,86	0,85	0,83	0,82	0,81	0,80	0,79	0,78	0,77
8,50							0,97		0,96		0,95		0,93		0,92		0,90		0,89		0,87		0,86		0,84	0,82		0,80		0,78		0,76		0,74
9,00							0,92	0,92	0,91	0,90	0,90	0,89	0,89	0,88	0,87	0,87	0,86	0,86	0,85	0,84	0,84	0,83	0,82	0,81	0,81	0,79	0,78	0,77	0,77	0,76	0,75	0,74	0,73	0,72
9,50									0,87		0,86		0,84		0,83		0,82		0,81		0,80		0,79		0,78	0,76		0,75		0,73		0,72		0,70
10,00									0,83	0,82	0,82	0,81	0,81	0,80	0,80	0,79	0,79	0,78	0,78	0,77	0,77	0,76	0,76	0,75	0,75	0,74	0,73	0,72	0,72	0,71	0,70	0,70	0,69	0,68
10,60											0,77		0,77		0,76		0,75		0,74		0,73		0,73		0,72	0,71		0,69		0,68		0,67		0,66
11,20											0,74	0,73	0,73	0,73	0,72	0,72	0,72	0,71	0,71	0,71	0,70	0,70	0,70	0,69	0,69	0,68	0,67	0,67	0,66	0,66	0,65	0,65	0,64	0,64
11,80													0,70		0,69		0,68		0,68		0,67		0,67		0,66	0,65		0,64		0,64		0,63		0,62
12,50													0,66	0,66	0,66	0,65	0,65	0,65	0,65	0,64	0,64	0,64	0,64	0,63	0,63	0,63	0,62	0,62	0,62	0,61	0,61	0,61	0,60	0,60
13,20															0,62		0,62		0,62		0,61		0,61		0,61	0,60		0,60		0,59		0,58		0,58
14,00															0,59	0,59	0,59	0,59	0,59	0,59	0,58	0,58	0,58	0,58	0,58	0,57	0,57	0,57	0,57	0,57	0,56	0,56	0,56	0,56
15,00																	0,56		0,55		0,55		0,55		0,55	0,54		0,54		0,54		0,54		
16,00																	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,52	0,51	0,51	0,51		

MAG Maschinen- und Apparatebau AG, Wirtschaftspark 44, A-8530 Deutschlandsberg,
Phone +43-3462-2545, Fax +43-3462-2545-125, E-mail: mag@mag.at, www.mag.at