

TRANSPLANTING MACHINE

MultiPlant





WHAT IS MultiPlant

MultiPlant is machine intended to transplant seedlings in ground. Usage of this machine, compared with manual transplantation, reduces needed labour and also transplantation time.



ADVANTAGES OF MACHINE

- **saves time**
- **multifunctional**
- **reduces costs**
- **continuous transplanting quality**



MACHINE PROPERTIES

- **easy handling**
- **trusted functionality**
- **high work performance**

PURPOSE OF THE MACHINE



Semi-automatic transplanting of seedlings regardless of the conical, pyramidal or squared shape of the seedlings roots:

- **transplanting of vegetables**
- **transplanting of herbs**
- **transplanting of ligneous plants**



BASIC PROPERTIES OF MACHINE

- **semi-automatic transplantation**
- **Possibility of transplanting on:**
 - **Bare ground**
 - **Previously prepared bed**
 - **Previously layed foil**
- **regulation of working depth**
- **transplantation of conical, pyramidal or squared shape of soil on the seedlings roots**
- **adjustable distance of planting in one row**
- **adjustable distance of planting between rows**



1.Worker on the machine fills the cups with plants

2.Cup puts plant in the soil

3.Plant presser wheel presses soil around plant

DEVELOPMENT OF MultiPlant TRANSPLANTING MACHINE



Year 2014. – development of new transplanting machine
☞ evolution on existing transplanting machines of our production
☞ 2 versions of the machine– 1-row and 2-row machine



Year 2015. – new machines find first buyers
☞ in cooperation with customers machine gets further upgrades



Years 2016. i 2017. – expanding on foreign markets
☞ in this period a dozen machines were sold to market of Russian Federation, besides machines sold to the customers in Croatia

DEVELOPMENT OF MultiPlant TRANSPLANTING MACHINE



Year 2018. – enlargement of the product portfolio

- ☞ machine with wider distance between 2 rows was developed in cooperation with tobacco producers
- ☞ with 22 sold machines, sales results exceeded expectations



Year 2019. – enlargement of the product portfolio

- ☞ 3 row transplanting machine was developed
- ☞ sales results exceeded expectations
 - 30 machines were sold in 6 different European markets



Year 2020. – enlargement of the product portfolio

- ☞ 4 row transplanting machine was developed
- ☞ further addons regarding additional inter-row transplantation distances
- ☞ development of additional equipment



MultiPlant MACHINE MODELS

1 row transplanation machine
FTM 1



2 rows transplanation machine
FTM 2 & FTM 2+



3 rows transplanation machine
FTM 3 & FTM 3+



4 rows transplanation machine
FTM 4





MODEL FTM 1

Basic informations	
Model	FTM 1
Type	carried
Width (mm)	2150/3250
Length (mm)	2200
Height (mm)	1550
Mass (kg)	395
Demanded power (min. HP)	35
Transplanting informations	
No. of rows planted	1 row
Distance between rows (mm)	-
No. of transplanting cups	6
Cup dimensions (mm)	60 x 60
Distance in one row (cm)	22 - 150
Planting speed (plants per hour)	2600 - 3000

MODELS FTM 2 & FTM 2+



Basic informations

Model	FTM 2	FTM 2+
Type	carried	carried
Width (mm)	2150/3250	2650/3750
Length (mm)	2200	2200
Height (mm)	1550	1550
Mass (kg)	511	549
Demanded power (min. HP)	40	45

Transplanting informations

No. of rows planted	2 rows	2 rows
Distance between rows (mm)	350 - 1240	350 - 1740
No. of transplanting cups	6	6
Cup dimensions (mm)	60 x 60	60 x 60
Distance in one row (cm)	22 - 150	22 - 150
Planting speed (plants per hour)	5200 - 6000	5200 - 6000



MODELS FTM 3 & FTM 3+

Basic informations		
Model	FTM 3	FTM 3+
Type	carried	carried
Width (mm)	2650/3750	3650/3750
Length (mm)	2200	2200
Height (mm)	1550	1550
Mass (kg)	618	656
Demanded power (min. HP)	50	60
Transplanting informations		
No. of rows planted	3 rows	3 rows
Distance between rows (mm)	350 - 870	350 - 970
No. of transplanting cups	6	6
Cup dimensions (mm)	60 x 60	60 x 60
Distance in one row (cm)	22 - 150	22 - 150
Planting speed (plants per hour)	7800 - 9000	7800 - 9000



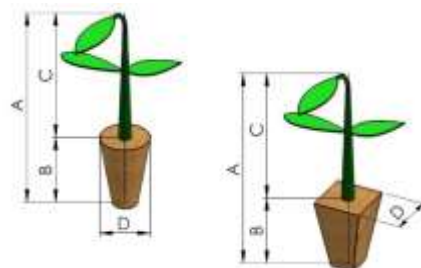
MODEL FTM 4

Basic informations	
Model	FTM 4
Type	carried
Width (mm)	3650/3750
Length (mm)	2200
Height (mm)	1550
Mass (kg)	734
Demanded power (min. HP)	70
Transplanting informations	
No. of rows planted	4 rows
Distance between rows (mm)	350 - 800
No. of transplanting cups	6
Cup dimensions (mm)	60 x 60
Distance in one row (cm)	22 - 150
Planting speed (plants per hour)	10400-12000

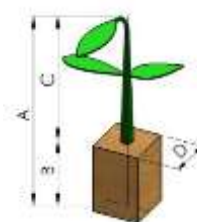
CUP (PLANT) SIZES



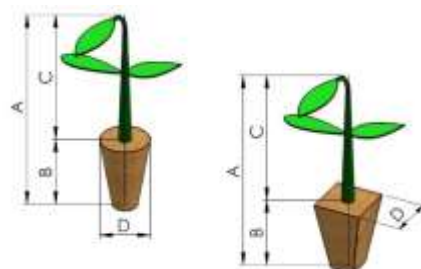
Cup size	maximal size (mm)			
	A	B	C	D
M	150	40	110	40








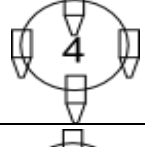
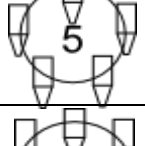

Cup size	maximal size (mm)			
	A	B	C	D
L	150	40	110	40



Cup size	maximal size (mm)			
	A	B	C	D
XL	170	60	110	60









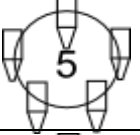

TRANSPLANTING DISTANCES WITHIN ONE ROW – STANDARD

No. of tooth sprocket on driveshaft has 	20	20	20	20
No. of tooth sprocket on wheel axle has 	23	22	21	20
One cup per transplanting section 	131	137	144	151
Two cups per transplanting section 	66	69	72	75
Three cups per transplanting section 	44	46	48	50
Four cups per transplanting section 	33	34	36	38
Five cups per transplanting section 	26	27	29	30
Six cups per transplanting section 	22	23	24	25

TRANSPLANTING DISTANCES

WITHIN ONE ROW –

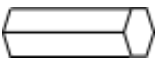







ADDITIONAL EQUIPMENT

No. of tooth sprocket on driveshaft has 	20	20	20	20	20	20	20
No. of tooth sprocket on wheel axle has 	26	25	24	19	18	17	16
One cup per transplanting section 	116	121	126	159	168	177	189
Three cups per transplanting section 	58	60	63	79	84	89	94
Tri čaše na sekciji za presađivanje 	39	40	42	53	56	59	63
Four cups per transplanting section 	29	30	31	40	42	44	47
Five cups per transplanting section 	23	24	25	32	34	35	38
Six cups per transplanting section 	19	20	21	26	28	30	31

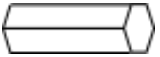


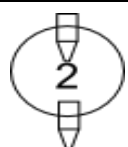


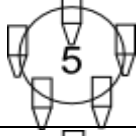

TRANSPLANTING DISTANCES

WITHIN ONE ROW –

ADDITIONAL EQUIPMENT

No. of tooth sprocket on driveshaft has 	18	18	18	18	18	18	18	18	18	18	18
No. of tooth sprocket on wheel axle has 	26	25	24	23	22	21	20	19	18	17	16
One cup per transplanting section 	104	109	113	118	123	129	136	143	151	160	170
Two cups per transplanting section 	52	54	57	59	62	65	68	71	75	80	85
Three cups per transplanting section 	35	36	38	39	41	43	45	48	50	53	57
Four cups per transplanting section 	26	27	28	30	31	32	34	36	38	40	42
Five cups per transplanting section 	21	22	23	24	25	26	27	29	30	32	34
Six cups per transplanting section 	17	18	19	20	21	22	23	24	25	27	28







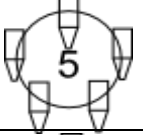

TRANSPLANTING DISTANCES WITHIN ONE ROW – ADDITIONAL EQUIPMENT

No. of tooth sprocket on driveshaft has 	23	23	23	23	23	23	23	23	23	23	23
No. of tooth sprocket on wheel axle has 	26	25	24	23	22	21	20	19	18	17	16
One cup per transplanting section 	133	139	145	151	158	165	173	183	193	204	217
Two cups per transplanting section 	67	69	72	75	79	83	87	91	96	102	108
Three cups per transplanting section 	44	46	48	50	53	55	58	61	64	68	72
Four cups per transplanting section 	33	35	36	38	39	41	43	46	48	51	54
Five cups per transplanting section 	27	28	29	30	32	33	35	37	39	41	43
Six cups per transplanting section 	22	23	24	25	26	28	29	30	32	34	36

TRANSPLANTING DISTANCES

WITHIN ONE ROW –




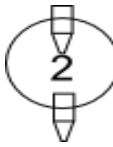




ADDITIONAL EQUIPMENT

No. of tooth sprocket on driveshaft has 	19	19	19	19	19	19	19	19	19	19	19
No. of tooth sprocket on wheel axle has 	26	25	24	23	22	21	20	19	18	17	16
One cup per transplanting section 	110	115	119	125	130	136	143	151	159	169	179
Two cups per transplanting section 	55	57	60	62	65	68	72	75	80	84	90
Three cups per transplanting section 	37	38	40	42	43	45	48	50	53	56	60
Four cups per transplanting section 	28	29	30	31	33	34	36	38	40	42	45
Five cups per transplanting section 	22	23	24	25	26	27	29	30	32	34	36
Six cups per transplanting section 	18	19	20	21	22	23	24	25	27	28	30





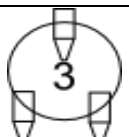

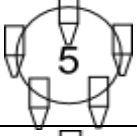

TRANSPLANTING DISTANCES

WITHIN ONE ROW –

ADDITIONAL EQUIPMENT

No. of tooth sprocket on driveshaft has 	21	21	21	21	21	21	21	21	21	21	21
No. of tooth sprocket on wheel axle has 	26	25	24	23	22	21	20	19	18	17	16
One cup per transplanting section 	110	115	119	125	130	136	143	151	159	169	179
Two cups per transplanting section 	55	57	60	62	65	68	72	75	80	84	90
Three cups per transplanting section 	37	38	40	42	43	45	48	50	53	56	60
Four cups per transplanting section 	28	29	30	31	33	34	36	38	40	42	45
Five cups per transplanting section 	22	23	24	25	26	27	29	30	32	34	36
Six cups per transplanting section 	18	19	20	21	22	23	24	25	27	28	30

TRANSPLANTING DISTANCES WITHIN ONE ROW – ADDITIONAL EQUIPMENT

No. of tooth sprocket on driveshaft has 	22	22	22	22	22	22	22	22	22	22	22
No. of tooth sprocket on wheel axle has 	26	25	24	23	22	21	20	19	18	17	16
One cup per transplanting section 	128	133	138	144	151	158	166	175	184	195	207
Two cups per transplanting section 	64	66	69	72	75	79	83	87	92	98	104
Three cups per transplanting section 	43	44	46	48	50	53	55	58	61	65	69
Four cups per transplanting section 	32	33	35	36	38	39	41	44	46	49	52
Five cups per transplanting section 	26	27	28	29	30	32	33	35	37	39	41
Six cups per transplanting section 	21	22	23	24	25	26	28	29	31	33	35

- **Manufactured in Croatia**
- **Machine is of European origin**



Click or scan to see

If you have any interest of purchasing this machine of ours,
be free to contact us.

Sincerely yours Agroservis - proizvodnja d.o.o. team



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