



The Vast Field Offers A Promising Future



JIANGSU AWON MACHINERY AND EQUIPMENT CO.,LTD



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FIELD MULCHER

AWON



AWON Group was founded in 2006 with its headquarter in the Netherlands, is an integrated solution provider for modern Agricultural, Orchard and Gardening applications. For some years now AWON Machinery has designed and manufactured a wide range of machinery including:mower,mulcher,wood shredder, cotton baler etc. Mulching is an important part of modern agriculture and helps providing a better growing environ-ment. Uniform application of the mulch prevents soil erosion and pesticides, helps the decomposition of crop residues and fast absorption of the nutrient value, and ultimately increases soil fertility.

OUR PRODUCT RANGE



FMH Offset Mowers

PAGE 17-18

FMH series are rear mounted, PTO driven flail mowers for tractors. 13 models in total, working width varies from 1,000 to 3,000mm, power demand 25-130HP. FMH series can be typically aggregated with tractors with 3-point hitch of Cat. I or II. Flail shaft is driven by PTO shaft, while the side-shift by the tractor's hydraulics to allow for shifting from one side to another, while therefore allow for obstacle passing and easier overlap adjustment.



SFM Rear-side Mowers

PAGE 19-20

SFM rear-side series are rear mounted, PTO driven flail mowers for tractors. 10 models in total, working width varies from 1,200 to 2,400mm, power demand 25-120HP. SFM series can be typically aggregated with tractors with 3-point hitch of Cat. I or II. SFM with parallelogram arm, enables operation in-line or at the side of the tractor. Down-tilt angle can reach up to 45°, which is perfect whenever road shoulders and slopes need to be mowed (tilt angle between -45°; +90°). SFM series are specially designed for carriageway maintenance, green belts, scarps, embankments, road shoulders or ditches.



FSD550 & FHD Side-disc Mowers

PAGE 21-22

The FSD/FHD is a light duty, inter-row to under/around tree mower for delved (V-shaped) vineyard or orchard rows – it freely adapts to side-sloping aspects with 60° and 45cm side-shift. With the hydraulic cylinder controlled from the tractor's hydraulics, Hydraulic Reservoir is not in need. This compact mower makes it best to be cost-effective with high efficiency.

01 MOWER



FM Standard Mowers

PAGE 15-16

FM series are rear mounted, PTO driven flail mowers for tractors. 14 models in total, working width varies from 1,000 to 3,000mm, power demand 25-120HP. FM series are designed for general maintenance of lawn, park, orchard, meadow and weed cut for undeveloped areas. The mowers cut the grass and spread it properly crumbled along the whole width of the cut surface.



DM520 DM folding telescopic-arm Mower

PAGE 23-24

DM are rear mounted, PTO driven flail mowers for tractors. power demand 140-180HP. DM has a hydraulically driven, extendable telescopic dipper arm, with which the mower has high work reach of 5200mm.. DM 520 is a Super Heavy Duty Mower that can chop heavy brush including grasses, debris, sticks, vines, branches. The head is attached to a mechanical arm allowing you to swing the mower beyond your up to 90 degrees for hedge or hillside work or down 45 degrees for ditch or bank work.

01 MOWER



HFM120 Hydraulic Mower for Loader PAGE 25-26

HFM120 loader mower is a natural extension of our cutter line. These brush cutters use a 3 blade system with hydraulic motors and could cut even in difficult conditions.

02 ORCHARD SHREDDER



FTS PICK-UP prunings Orchard Shredder PAGE 29

FTS series provide a perfect solution – picking up the pruning with a pick-up reel at ground level and lifting and carrying them inside the mulching chamber. You don't need to remove pruning anymore. When you use a FTS pick-up mulcher it will be mulched finely, through a fine mulching grid. This results in a fast biodegradation, within one season.



FTC Offset Orchard Shredder PAGE 30

FTC offset series are rear mounted, PTO driven flail mowers for tractors. 4 models in total, working width varies from 1,600 to 2,200mm, power demand 70-100HP. FTC series are mowers for grass, pruning residues, vine shoots and branches of up to 2 cm of diameter. The side-shift by the tractor's hydraulics could allow for shifting from one side to another.

03 STALK MULCHER



SC Standard Stalk Mulcher PAGE 33

SC series mulchers are heavy duty models designed for use on large agricultural tractors from 90-120 HP, working width 2,600-3,000mm, suitable for cutting crop residues such as cotton stalk, grain/maize/rape stubbles.



SCT Advanced Stalk Mulcher PAGE 33-34

SCT series mulchers are heavy duty models designed for use on large agricultural tractors from 120-160 HP, working width 3,500-4,000mm, suitable for cutting crop residues such as cotton stalk, grain/maize/rape stubbles.

It's not a must to choose a folding model if you want a high efficiency. SCT could make it with less tractor power and larger working width.



SC Folding Stalk Mulcher PAGE 34

SCF centrally folding series are rear mounted, PTO driven flail mowers for tractors. 3 models in total, power demand 140-180HP. SCF series are heavy duty models designed for large area coverage, suitable for cutting crop residues such as cotton stalk, grain/maize/rape stubbles. The Central Folding Design is very convenient for transportation. More importantly, the working width is effectively enlarged. The Central Folding Design is very convenient for transportation.

FM 100
120
140
160

Light



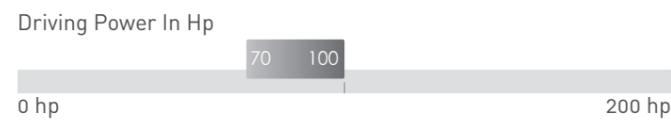
FM 165
185
205

Medium



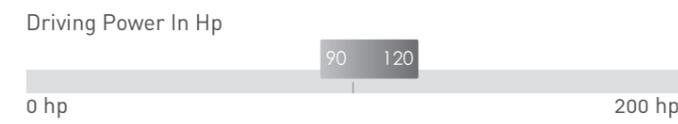
FM 180
200
220
240

Heavy



FM 260
280
300

Large



Product Feature

- Perfect ground following and even cutting height
- Automatically Belt-tension
- Overrunning clutch integrated with gearbox
- Housing can be lifted to leave the residues back to the field



SD550
SD550 could pass the obstacle and automatically returns
HD550
HD550 could detect obstacles without touching by hydraulic

Fittings Selection

- Offset Options:SD swing arm or HD swing arm
- Guard Options:Chain guard or metal plate guard
- Blade Options:Hammer or Y Blades



Y Blade **Hammer Blade**

Model Specifications

		A-B-C	mm/Inch	rpm	Hp-kw	N°	kg/lb	A01	A04
FM	FM100	1150x737x775	1000/39	540	25-40/18-30	3(xpb)	180/396	18	18
	FM120	1350x737x775	1200/47	540	25-40/18-30	3(xpb)	204/449	22	22
	FM140	1550x737x775	1400/55	540	30-50/22-37	3(xpb)	220/485	26	26
	FM160	1750x737x775	1600/63	540	30-50/22-37	3(xpb)	247/545	30	30
	FM165	1820x1020x820	1650/65	540	50-70/37-52	3(xpb)	395/871	22	22
	FM185	2020x1020x820	1850/73	540	50-70/37-52	3(xpb)	420/925	22	22
	FM205	2220x1020x820	2050/81	540	50-70/37-52	3(xpb)	435/960	26	26
	FM180	2000x1044x967	1800/71	540	70-100/52-75	4(xpb)	543/1197	16	16
	FM200	2200x1044x967	2000/79	540	70-100/52-75	4(xpb)	575/1267	18	18
	FM220	2400x1044x967	2200/87	540	70-100/52-75	4(xpb)	608/1340	20	20
	FM240	2600x1044x967	2400/95	540	70-100/52-75	4(xpb)	640/1410	22	22
	FM260	2850x1180x1040	2600/102	540	90-120/67-89	5(xpb)	853/1881	22	22
	FM280	3050x1180x1040	2800/110	540	90-120/67-89	5(xpb)	898/1980	24	24
	FM300	3250x1180x1040	3000/118	540	90-120/67-89	5(xpb)	1022/2253	26	26

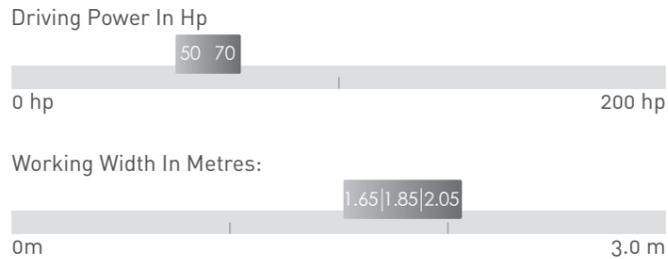
FMH 120
140
160

Light



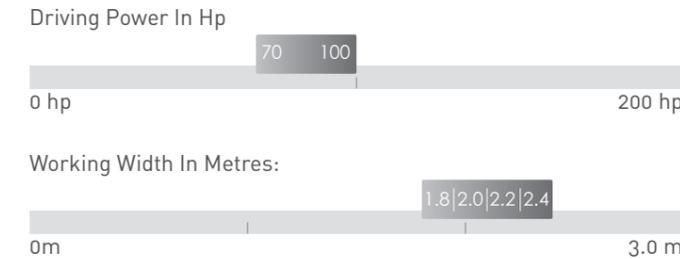
FMH 165
185
205

Medium



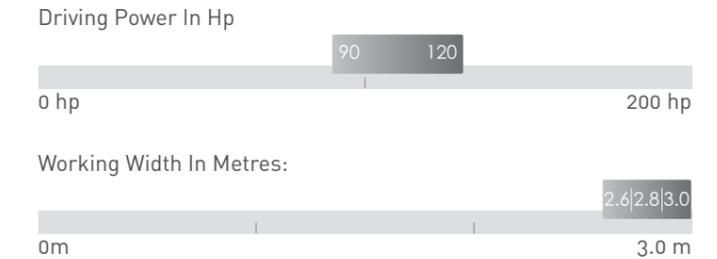
FMH 180
200
220
240

Heavy



FMH 260
280
300

Large



Product Feature

- Adjustable right side Offset
- Perfect ground following and even cutting height
- Automatically Belt-tension
- Overrunning clutch integrated with gearbox
- Housing can be lifted to leave the residues back to the field



SD550

HD550

- SD550 could pass the obstacle and automatically returns
- HD550 could detect obstacles without touching by hydraulic

Fittings Selection

- Offset Options:SD swing arm or HD swing arm
- Guard Options:Chain guard or metal plate guard
- Blade Options:Hammer or Y Blades



Y Blade



Hammer Blade

Model Specifications

MODEL	A-B-C	mm/Inch	rpm	cv-kw	N °	kg/lb	cm		A01	A04
							66	38		
FMH120	1350x815x770	1200/47	540	30-50/18-30	3(xpb)	239/526	54	102	22	22
FMH140	1550x815x770	1400/55	540	30-50/18-30	3(xpb)	244/538	74	102	26	26
FMH160	1750x815x770	1600/63	540	30-50/18-30	3(xpb)	268/591	94	122	30	30
FMH165	1820x1000x836	1650/65	540	50-70/37-52	3(xpb)	393/866	64	104	22	22
FMH185	2020x1000x836	1850/72	540	50-70/37-52	3(xpb)	426/939	84	124	22	22
FMH205	2220x1000x836	2050/80	540	50-70/37-52	3(xpb)	443/976	104	144	26	26
FMH180	2000x1044x1012	1800/71	540	70-100/52-75	4(xpb)	579/1276	67	90	16	16
FMH200	2200x1044x1012	2000/79	540	70-100/52-75	4(xpb)	612/1349	87	110	18	18
FMH220	2400x1044x1012	2200/87	540	70-100/52-75	4(xpb)	646/1424	107	130	20	20
FMH240	2600x1044x1012	2400/95	540	70-100/52-75	4(xpb)	680/1499	127	150	22	22
FMH260	2840x1264x1020	2600/102	540	90-130/67-97	5(xpb)	991/2184	124	164	22	22
FMH280	3040x1264x1020	2800/110	540	90-130/67-97	5(xpb)	1042/2297	144	184	24	24
FMH300	3240x1264x1020	3000/118	540	90-130/67-97	5(xpb)	1056/2328	164	204	26	26

SFM

120
140
160

Light



Driving Power In Hp



Working Width In Metres:



SFM

165
185
205

Medium



Driving Power In Hp



Working Width In Metres:



SFM

180
200
220
240

Heavy



Driving Power In Hp

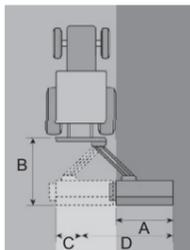


Working Width In Metres:



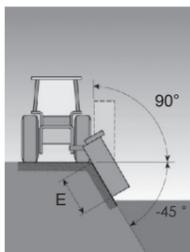
Product Feature

SFM with paralellogram arm, enables operation in-line or at the side of the tractor. Down-tilt angle can reach up to 45°, which is perfect whenever road shoulders and slopes need to be mowed (tilt angle between -45°; +90°).



Fittings Selection

Offset Options:SD or HD swing arm
Guard Options:Chain or metal guard
Blade Options:Hammer or Y Blades



Dimension

	MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
SFM	SFM120	1200	1660	450	1890	930
	SFM140	1400	1660	450	2090	1130
	SFM160	1600	1660	450	2290	1330
	SFM165	1650	1770	470	1930	1550
	SFM185	1850	1770	470	2130	1750
	SFM205	2050	1770	470	2230	1950
	SFM180	1800	2120	970	3130	1700
	SFM200	2000	2120	970	3330	1900
	SFM220	2200	2120	970	3530	2100
	SFM240	2400	2120	970	3730	2300

Model Specifications

	MODEL	A-B-C	mm/Inch	rpm	Hp-kw	N °	kg/lb	A01
SFM	SFM120	1354x1544x888	1200/47	540	25-40/19-30	3(xpb)	316/696	22
	SFM140	1554x1544x888	1400/55	540	30-50/22-37	3(xpb)	334/736	26
	SFM160	1754x1544x888	1600/63	540	30-50/22-37	3(xpb)	354/780	30
	SFM165	2152x1677x954	1650/65	540	60-80/45-60	3(xpb)	443/976	22
	SFM185	2352x1677x954	1850/72	540	60-80/45-60	3(xpb)	460/1014	22
	SFM205	2552x1677x954	2050/80	540	60-80/45-60	3(xpb)	507/1117	26
	SFM180	2281x1962x1048	1800/71	540	90-120/67-90	4(xpb)	679/1496	16
	SFM200	2481x1962x1048	2000/79	540	90-120/67-90	4(xpb)	712/1569	18
	SFM220	2681x1962x1048	2200/87	540	90-120/67-90	4(xpb)	743/1638	20
	SFM240	2881x1962x1048	2400/95	540	90-120/67-90	4(xpb)	772/1701	22

DM520

Driving Power In Hp

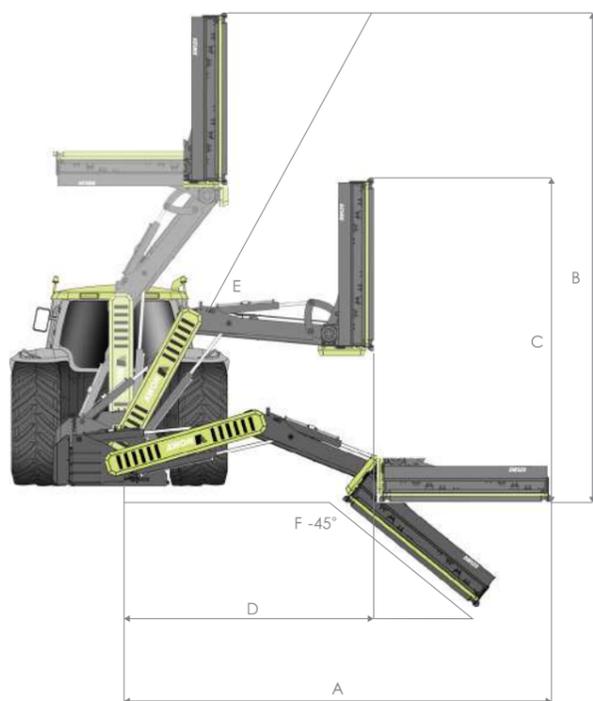
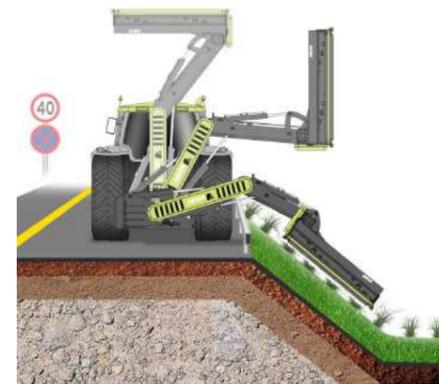
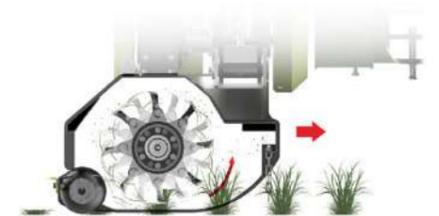
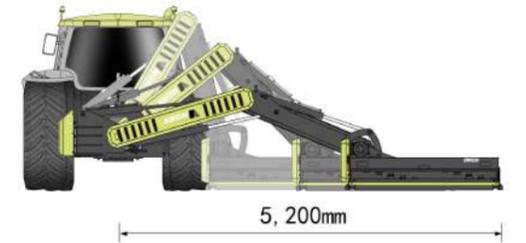


Working Width In Metres:



Product Feature

- Mowing of scarps, embankments, drainage ditches.
- Enables rise of the machine when obstacle is met.
- Feature high horizontal reach, up to 5850 cm which enables easy obstacle passing (e.g. road signs) without changing tractor's position.
- Possibility of working within the inclination of + 90° and -45°.
- Owing to the parallelogram arm works perfectly for heavy-duty road maintenance Assignments.
- Suitable for shredding branches of up to 35 mm in diameter .



Dimension

DM	MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E	F
	DM520	5200	5850	4000	3300	45°	-45°

- A:Max horizontal extension
- B:Max height
- C:Max height under cutting head
- D:Cutting width

Model Specifications

DM	MODEL	mm/inch	rpm	Hp-kw	N °	N °	kg/lb	A02
	DM520	2050/80	1000	140-180/104-134	8(xpb)	3(xpb)	1175/2590	26

HFM120

Working Width In Metres:



Product Feature

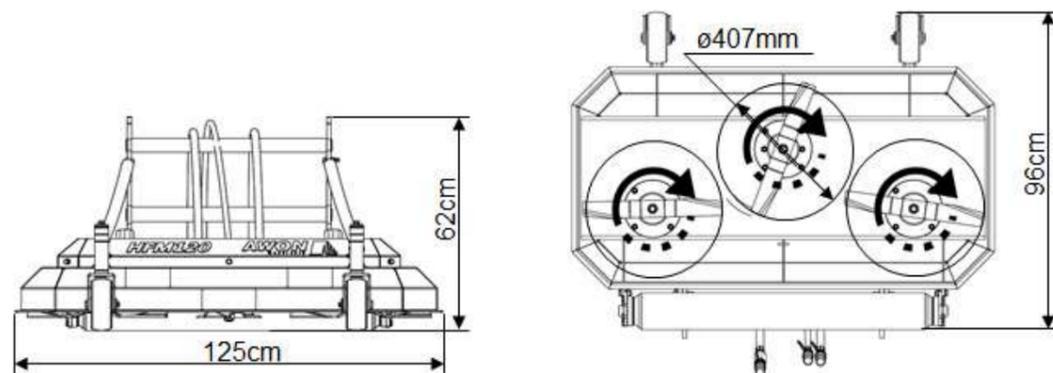
- Cutting width is 1200mm
- Can suit skid steer and wheel loaders
- Solid heavy duty design
- 3 blades driven by 3 hydraulic motors with high efficiency and stable operation

Motor Information

- Motor brand: Bondioli & Pavesi Oil
- pressure: 16Mpa
- Hydraulic oil displacement : 11ML
- Oil flow > 22L/min



“ FULL HYDRAULIC DRIVE ”



Model Specifications

	MODEL	nr.	nr.	Hp-kw	L/min	kg/lb	rpm	L/min	Mpa	A05
HFM	HFM120	2	1	25-50/18-37	≥42-51	150/331	2000	>22	>16	3

FSD550 FHD550

Driving Power In Hp



Product Feature

FSD/FHD is a light duty, inter-row to under/around tree mower for delved (V-shaped) vineyard or orchard rows – it freely adapts to side-sloping aspects with 60° and 79cm side-shift. With the hydraulic cylinder controlled from the tractor's hydraulics, Hydraulic Reservoir is not in need. This compact mower makes it best to be cost-effective with high efficiency.

Fittings Selection

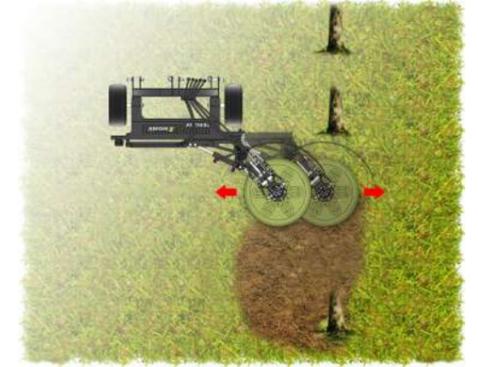
SD550 could pass the obstacle and automatically returns
HD550 could detect obstacles without touching by hydraulic



SD550



HD550



Excellent terrain adjustment
Large offset possibility
Unique Obstacle Avoidance System

Model Specifications

	MODEL	Hp-kw	nr.	nr.	nr.	kg/lb	rpm	Mpa
FSD	FSD550	25-100/17-75	2	2	1	180/241	2000	16
FHD	FHD550	25-100/17-75	2	2	1	180/241	2000	16

FTS 140
160
180

Pick-up/heavy



Driving Power In Hp



Working Width In Metres:



Product Feature

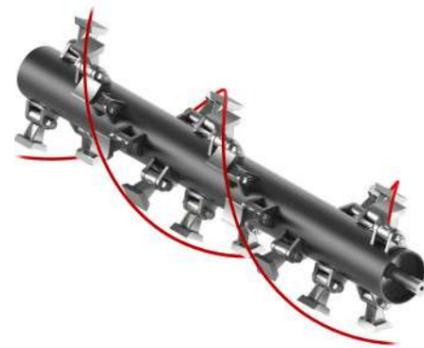
- Working width varies from 1,400 to 1,800mm
- Suitable for shredding pruning residues up to 5cm diameter
- pick-up reel at ground level and lifting and carrying them inside the mulching chamber
- Heavy-duty forged T-blade provides extreme durability even with the thick branches
- Balanced weight and precise helical arrangement of flail knives provide effective operation in difficult conditions



pick-up reel at ground level



heavy-duty forged T-blade



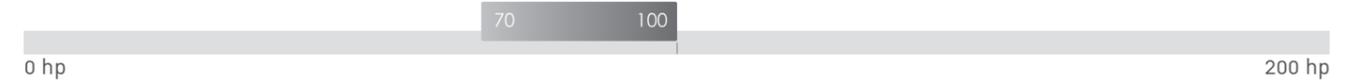
Balanced weight & precise helical arrange

FTC 160
180
200
220

Side-shift



Driving Power In Hp

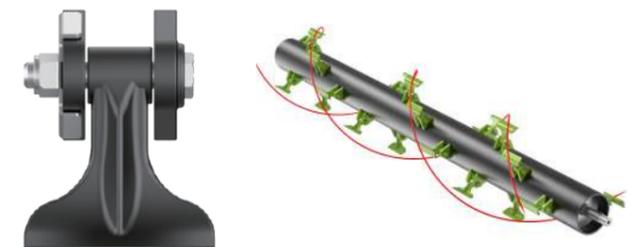


Working Width In Metres:



Product Feature

- Working width varies from 1,600 to 2,200mm
- Suitable for grass , pruning residues, vine shoots
- Capable of mowing grass as well as shredding prunings
- Capable of shredding branches of up to 2 cm of diameter
- Mulch both behind and alongside the tractor



Model Specifications

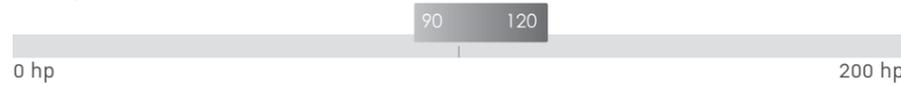
MODEL	A-B-C	mm/Inch	rpm	HP-kw	N °	kg/lb	A02	A01
FTS	FTS140	1645x1372x987	1000/39	540	80-120/60-90	7(xpb)	758/1671	18
	FTS160	1845x1372x987	1200/47	540	80-120/67-90	7(xpb)	822/1812	22
	FTS180	2045x1372x987	1400/55	540	100-120/75-90	7(xpb)	898/1980	24
FTC	FTC160	1808x1079x993	1600/63	540	70-100/52-75	4(xpb)	630/1389	16
	FTC180	2008x1079x993	1800/71	540	70-100/52-75	4(xpb)	680/1500	18
	FTC200	2208x1079x993	2000/79	540	70-100/52-75	4(xpb)	720/1587	20
	FTC220	2408x1079x993	2200/87	540	70-100/52-75	4(xpb)	770/1698	22

SC 260
280
300

Standard



Driving Power In Hp



Working Width In Metres:



Product Feature

heavy duty models designed for large area coverage
 Perfect chopper for crop residues such as cotton stalk, grain/maize/rape /corn stubbles
 Working width varies from 2,600 to 6,000mm
 High surface output, fast field changes and simple handling
 Folds hydraulically for fast field changes without getting off the tractor



Perfect chopper for crop residues



Blade Options: Hammer or Y Blades



High surface output

SCT 350
400

Advanced



Driving Power In Hp



Working Width In Metres:



SC 400
460
600

Folding



Driving Power In Hp



Working Width In Metres:



Model Specifications

MODEL	A-B-C	mm/Inch	rpm	HP-kw	N°	kg/lb	Blade Options			
							A04	A01	A03	
SC	SC260	2899x1466x1119	2600/1020	540	90-120/60-90	5(c)	1100/2425	56+28	28	28
	SC280	3099x1466x1119	2800/1100	540	90-120/60-90	5(c)	1200/2645	60+30	30	30
	SC300	3299x1466x1119	3000/1180	540	90-120/60-90	5(c)	1300/2866	64+32	32	32
SCT	SCT350	3900x1609x1178	3500/1380	1000	160-200/90-120	10(c)	2100/4630	80+40	40	40
	SCT400	4400x1609x1178	4000/1570	1000	160-200/90-120	10(c)	2278/5022	92+46	46	46
SC	SC400	4420x1550x1260	4000/1570	1000	140-180/104-134	10(c)	2000/4409	96+48	48	48
	SC460	5200x1550x1260	4600/1810	1000	140-180/104-134	10(c)	2183/4812	104+52	52	52
	SC600	6370x1780x1260	6000/2360	1000	210-250/156-186	12(c)	3050/6724	128+64	64	64



SC460-Folding Mulcher



DM520 folding telescopic-arm Mower



HFM120 Hydraulic Mower for Loader



SCT350-Advanced mulcher

AWON PRODUCT IN OPERATION



FM300 Standard Mower



SFM180 Rear-side Mower



FMH165 Offset Mower With Side Disc SD550



DM520 folding telescopic-arm Mower