

Снегоуборочное оборудование

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THE BEST HAS A NAME

ORSI *Group*

44° 41' 13" N
11° 20' 17" E

**FOR TRADITION
ONE STEP AHEAD**

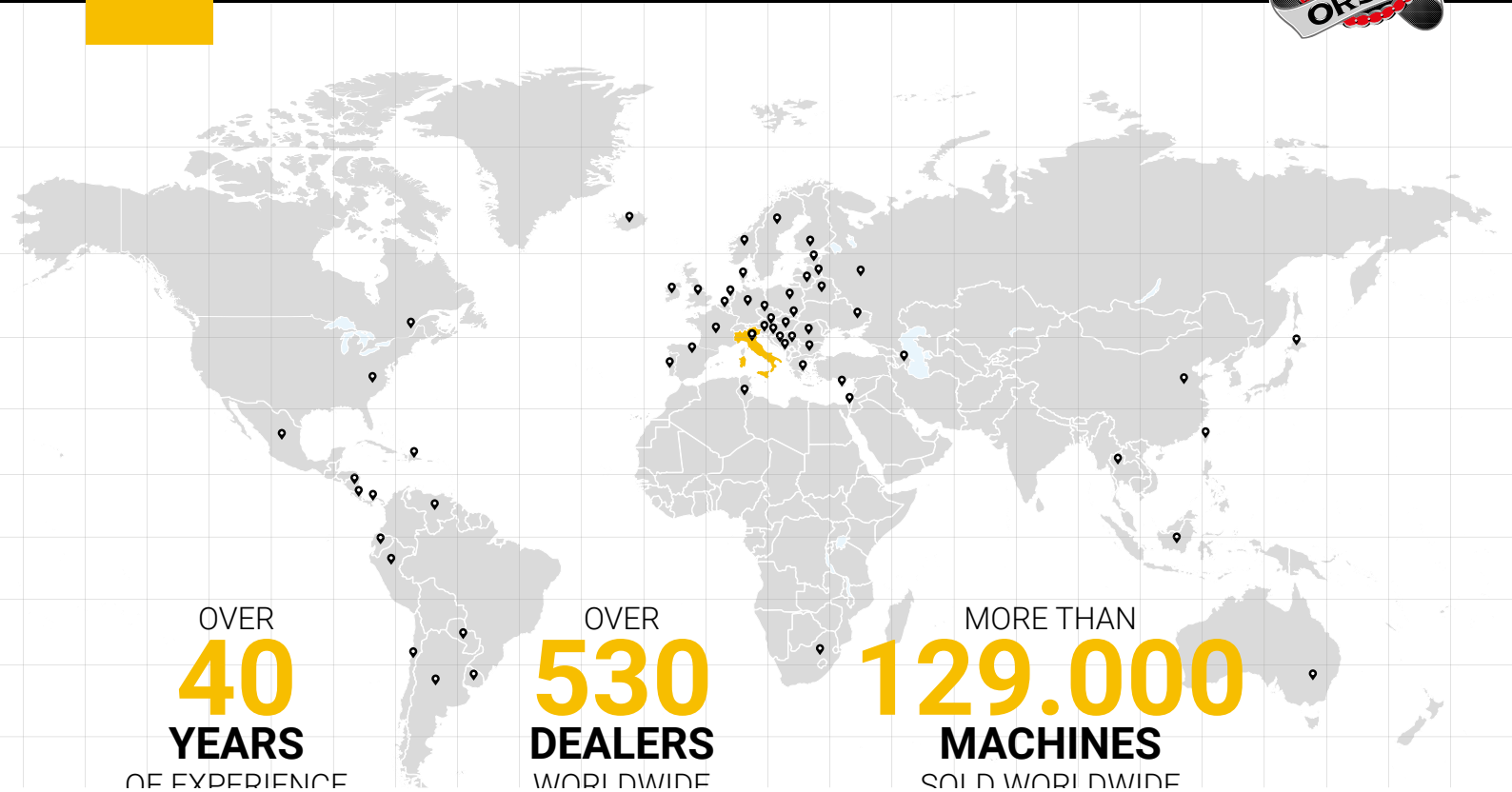


HEADQUARTER

MASCARINO DI CASTELLO D'ARGILE (BO) ITALY




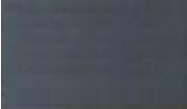
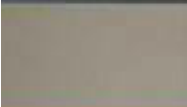

OUR DISTRIBUTION WORLD WIDE



ANTICORROSIVE TREATMENT

ANTICORROSIVE POWDER TREATMENT

- Shot Blasting SA Ø 2,5
- Primer application in zinc phosphate epoxy powder thickness 60-80 µm
- EXTRA polyurethane finishing powder (UV-resistant) thickness 60-80 µm polymerization at 180° for 20'
- Final dry thickness 120-160
- Orange colour RAL 2011
- Corrosivity class c5-i following DIN55633 and DIN EN ISO 12944-6 norms
- Salt spray resistance 2000h

	RAW SHEET
	GRITTED SHEET
	SHEET COVERED WITH POLYURETHANE ENAMEL
	SURFACE COVERED WITH ORANGE RAL 2011

ANTICORROSIVE LIQUID TREATMENT FOR MECHANICAL AND HYDRAULIC COMPONENTS

HIGH STRENGTH CYCLE

- Shot Blasting sa Ø 2,5
- Epoxy bi-component primer application in zinc CT90
- Expoprimer application CT113 grey 7035
- EXTRA bi-component polyurethane enamel application (UV-resistant)
- Final dry thickness 350-400 µm

STANDARD CYCLE

- Shot Blasting sa Ø 2,5
- Expoprimer application CT113 grey 7035
- EXTRA bi-component polyurethane enamel application (UV-resistant)
- Final dry thickness 180-200 µm

**“WHY AN EXCELLENT PAINTING IS IMPORTANT”
BECAUSE IT KEEPS THE PRICE OF THE MACHINE ON THE SECOND-HAND MARKET.**





WINTER EQUIPMENT



WHY WE USE HARDOX?

Hardox® 450

The most popular abrasion-resistant steel with excellent structural properties.

Hardox® 450 is an abrasion-resistant steel with a nominal hardness of 450 HBW. Hardox® 450 combines good bendability and weldability with an option for guaranteed impact toughness (Hardox® 450 Tuf).

The products can be used in many different components and structures that are subject to wear. Hardox® 450, with an extra 50 Brinell hardness over our 400 grade, provides better dent and abrasion resistance as well as longer wear life, so you can achieve even greater savings.



WHY WE USE STRENX?

Superior properties

Strenx® steel has extremely consistent properties, ensuring precision and efficiency in the workshop.

If you think all steel is basically the same, Strenx® performance steel will change your thinking. Strong and reliable from surface to core, Strenx® steel features exceptional surface quality as well as impressive thickness and flatness tolerances verified by the Strenx® guarantees. The steel's properties - yield and tensile strength, bending performance, impact toughness - are carefully tested to ensure reliability and consistency in every delivery.

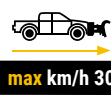




	T4
A mm	2004
B mm	1775 (1020dx + 755sx)
C mm	1885
α °	30°
D mm	1540
E mm	1075
F mm	605
H mm	375
I mm	160
L mm	640
P kg	140

T4

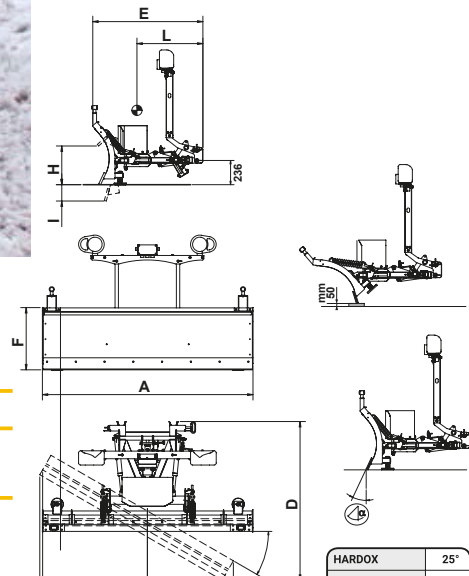
SNOW BLADE



max km/h 30



max - 30



STRENGTHS POINTS



Lt/1	3,5	bar	130
max Kw	Hp 140-190	max Kw	Hp 40-55

T4

SNOW BLADE

	T4
MACHINE	
Signal flags	✓
Blade made in polyethylene high density and steel frame	✓
Swing side	✓
Parallelogram version to couple to small tractors (A)	•
Parallelogram version and EPS controller to couple to pick up	•
Set of LED clearance lights with supports	•
Support winch	•
French signalling kit	•
Set of auxiliary lights completed with galvanized support and direction indicators (B)	•
ATTACHMENT FOR TRACTOR	
Attachment 3 points Cat. 1 N	✓
Fixing plate (snow blade-vehicle)	•
HYDRAULIC SYSTEM	
Hydraulic control right-left rotation with by pass safety valve	✓
SAFETIES	
Safety with tension springs	✓
N° Sectors	1
SCRAPING KNIVES	
Polyethylene HD plastic blade	✓
HARDOX HB400 steel knives	•



A
B



PK

SNOW BLADE



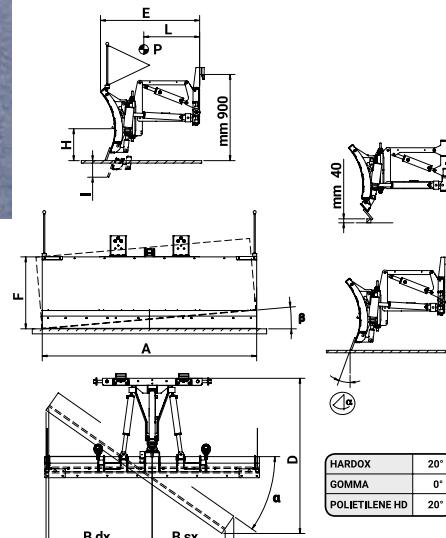
max km/h 40



max - 30



PK	1750	2150	2450	2600
A mm	1750	2150	2450	2590
B mm	1445 (890dx + 555sx)	1765 (1035dx + 730sx)	2015 (1160dx + 855sx)	2130 (1215dx + 915sx)
C mm	1535	1880	2125	2240
α°	35°	35°	35°	35°
β°	$\pm 5^\circ$	$\pm 5^\circ$	$\pm 5^\circ$	$\pm 5^\circ$
D mm	1435	1555	1640	1680
E mm	995	995	995	995
F mm	720	720	720	720
H mm	315	315	315	315
I mm	160	160	160	160
L mm	640	640	640	640
P kg	230	260	270	275



STRENGTHS POINTS



max Kw	Hp 45 - 65	max Kw	Hp 30 - 45
max Kw	Hp 140 - 190	max Kw	Hp 45 - 65
max Kw	Hp 125 - 170		

PK

SNOW BLADE

PK	1750	2150	2450	2600
MACHINE				
Signal flags	✓	✓	✓	✓
Blade micro alloyed steel made high yield STRENX 700/S700MC	✓	✓	✓	✓
Swing side	✓	✓	✓	✓
Change angle of incidence that allows the installation of different types of scraping blades	✓	✓	✓	✓
Rubber splash guard	•	•	•	•
Set of LED clearance lights with supports	•	•	•	•
French signalling kit	•	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators	•	•	•	•
ATTACHMENT FOR TRACTOR				
Attachment 3 points Cat. I - II	✓	✓	✓	✓
Demi- SETRA plate with parallelogram lifting	•	•	•	•
DIN 76060 plate size 3 ("B") with parallelogram lifting	•	•	•	•
DIN 76060 plate size 3 ("B") with parallelogram lifting - vehicle Caron	•	•	•	•
Assaloni 0,8 plate with parallelogram lifting	•	•	•	•
Skid Loader plate to couple to arms	•	•	•	•
TERNA hook plate version	•	•	•	•
HYDRAULIC SYSTEM				
Hydraulic control right-left rotation with by pass safety valve	✓	✓	✓	✓
Electro-hydraulic unit EP5-H complete panel with control box in the cab socket + plug wire and electrical cable 12V - 24V	•	•	•	•
SAFETIES				
Safety knife with adjustable compression springs	✓	✓	✓	✓
N° Sectors	2	2	2	2
Side bumpers	•	•	•	•
Shocks absorber in polyurethane on the blade	•	•	•	•
SCRAPING KNIVES				
HARDOX HB400 steel knives	✓	✓	✓	✓
Scraping rubber knife replacing the steel one	•	•	•	•
Scraping polietilene HD (plastic) knife replacing the steel one	•	•	•	•





TECNA

SNOW BLADE



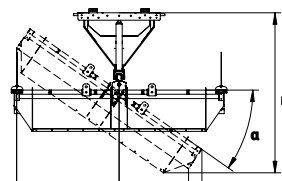
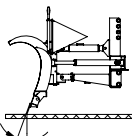
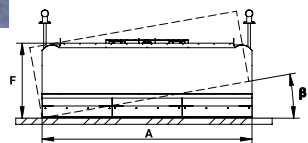
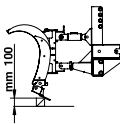
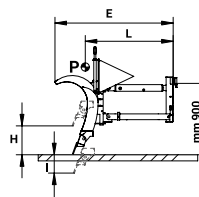
max km/h 40



max - 30



TECNA	25	27	30	34
A mm	2550	2720	3060	3400
B mm	2090 (1245dx + 845sx)	2230 (1315dx + 915sx)	2510 (1455dx + 1055sx)	2790 (1595dx + 1195sx)
C mm	2270	2410	2690	2970
α °	35°	35°	35°	35°
β °	10°	10°	10°	10°
D mm	1940	1990	2080	2180
E mm	1440	1440	1440	1440
F mm	850	850	850	850
H mm	345	345	345	345
I mm	135	135	135	135
L mm	1050	1050	1050	1050
P kg	450	465	495	510



HARDOX	20°
GOMMA	0°
POLURETANO	45°
POLIETILENE HD	20°
KOMBI	20°

STRENGTHS POINTS



max Kw	Hp 90-120 max	max Kw	Hp 110 - 150 max
max Kw	Hp 125 - 170 max	max Kw	Hp 90 - 125 max

TECNA	25	27	30	34
MACHINE				
Signal flags	✓	✓	✓	✓
Blade micro alloyed steel made high yield STREX 700/S700MC	✓	✓	✓	✓
Swing side	✓	✓	✓	✓
Change angle of incidence that allows the installation of different types of scraping blades	✓	✓	✓	✓
Rubber splash guard	•	•	•	•
Set of LED clearance lights with supports	•	•	•	•
French signalling kit	•	•	•	•
German signalling kit in presence of clearance lights	•	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators 12V - 24V	•	•	•	•
Polyurethane lateral edges	•	•	•	•
Adjustable supporting wheels	-	•	•	•
Sliding skates	•	•	•	•
ATTACHMENT FOR TRACTOR				
Attachment 3 points Cat. II	✓	✓	✓	✓
DIN 76060 plate size 3 ("B") with parallelogram lifting	•	•	•	•
DIN 76060 plate size 3 ("B") with parallelogram lifting - vehicle Caron	•	•	•	•
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•	•	•
SETRA plate with parallelogram lifting	•	•	•	•
TERNA hook plate version - GROUP 3	•	•	•	•
TERNA hook plate version - GROUP 5	•	•	•	•
HYDRAULIC SYSTEM				
Hydraulic control right-left rotation with by pass safety valve	✓	✓	✓	✓
Electro-hydraulic unit EP5-H complete panel with control box in the cab socket + plug wire and electrical cable 12V - 24V	•	•	•	•
SAFETIES				
Safety knife with springs torsion and locking of the elements to improve the scraping effect	✓	✓	✓	✓
Side bumpers	✓	✓	✓	✓
N° Sectors	3	4	4	4
SCRAPING KNIVES				
HARDOX HB400 steel knives	✓	✓	✓	✓
Scraping polietilene HD (plastic) knife replacing the steel one	•	•	•	•
Scraping rubber knife replacing the steel one	•	•	•	•
KOMBI blade steel and rubber with akuminium oxide inserts replacing the steel one	•	•	•	•
Scraping polyurethane knife replacing the steel one	•	•	•	•



(A.)



TRACTOR SNOW BLADE



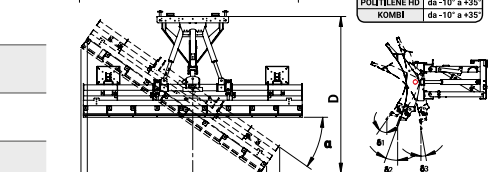
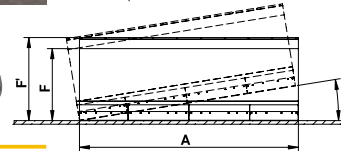
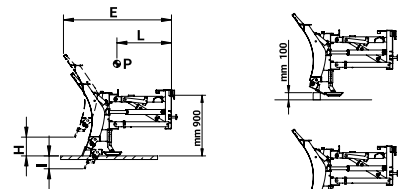
max km/h 40



max - 30



TRACTOR	27	30	34
A mm	2720	3060	3400
B mm	2230 (1315sx + 915sx)	2510 (1455sx + 1055sx)	2790 (1595sx + 1195sx)
C mm	2500	2780	3056
α °	35°	35°	35°
β °	10°	10°	10°
δ °	1 10°	10°	10°
	2 20°	20°	20°
	3 35°	35°	35°
D mm	2090	2187	2285
E mm	1410	1410	1410
F mm	1000	1000	1000
F' mm	1160	1160	1160
H mm	345	345	345
I mm	135	135	135
L mm	1050	1050	1050
P kg	565	595	610



STRENGTHS POINTS

MY DRIVE -
STRENX



max Kw

Hp 100 - 135 max



max Kw

Hp 125 - 170 max



max Kw

Hp 140 - 190 max



max Kw

Hp 100 - 135 max

TRACTOR

SNOW BLADE

TRACTOR	27	30	34
MACHINE			
Signal flags	✓	✓	✓
Blade micro alloyed steel made high yield STRENX 700/S700MC	✓	✓	✓
Bending radius open for high performance	✓	✓	✓
Swing side	✓	✓	✓
Change angle of incidence that allows the installation of different types of scraping blades	✓	✓	✓
Nitrogen accumulator	•	•	•
Rubber splash guard	•	•	•
Set of LED clearance lights with supports	•	•	•
French signalling kit	•	•	•
German signaling kit in presence of clearance lights	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators	•	•	•
Polyurethane lateral edges	•	•	•
Adjustable supporting wheels	•	•	•
Sliding skates	•	•	•
Set up right TRACTOR	•	•	•
ATTACHMENT FOR TRACTOR			
Attachment 3 points Cat. II	✓	✓	✓
DIN 76060 plate size 3 ("B") with parallelogram lifting	•	•	•
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•	•
SETRA plate with parallelogram lifting	•	•	•
TERNA hook plate version with fake piston to couple to arms GROUP 3 ("B")	•	•	•
TERNA hook plate version with fake piston to couple to arms GROUP 5 ("A")	•	•	•
HYDRAULIC SYSTEM			
Hydraulic control right-left rotation with by pass safety valve	✓	✓	✓
Hydraulic tilting control	•	•	•
Kit nitrogen accumulator	•	•	•
Electro-hydraulic unit EP5-H complete panel with control box in the cab socket + plug wire and electrical cables 12V - 24V	•	•	•
Electro-hydraulic unit EP7-H (for implement with option bi-steel rubber knife complete panel with control box in the cab socket + plug wire and electrical cables 24V	•	•	•
SAFETIES			
Safety knife with springs torsion and locking of the elements to improve the scraping effect (A)	✓	✓	✓
Side bumpers	✓	✓	✓
N° Sectors	4	4	4
SCRAPING KNIVES			
HARDOX HB400 steel knives	✓	✓	✓
Scraping polietilene HD (plastic) knife replacing the steel one	•	•	•
Scraping rubber knife replacing the steel one	•	•	•
KOMBI blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•	•
Scraping polyurethane knife replacing the steel one	•	•	•



(A.)





ML PLUS

SNOW BLADE



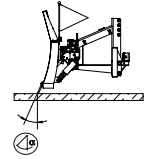
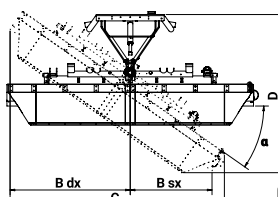
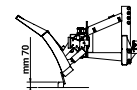
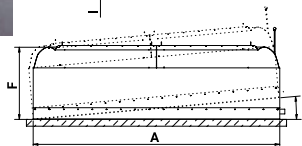
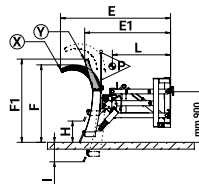
max km/h 40



max - 30



ML PLUS	28	32	36
A mm	2830	3230	3630
B mm	2320 (1440sx + 880sx)	2645 (1605sx + 1040sx)	2975 (1770sx + 1205sx)
C mm	2500	2830	3160
α°	35°	35°	35°
β°	$\pm 5^\circ$	$\pm 5^\circ$	$\pm 5^\circ$
D mm	1	2070	2180
	2	2095	2210
E1 mm	1345	1345	1345
E mm	1625	1625	1625
F1 mm	1220	1220	1220
F mm	1060	1060	1060
H mm	460	460	460
I mm	130	130	130
L mm	790	790	790
P kg	715	750	800



HARDOX 24°

STRENGTHS POINTS



max Kw

Hp 140 - 190 max



max Kw

Hp 140 - 190 max



max Kw

Hp 180 - 245 max

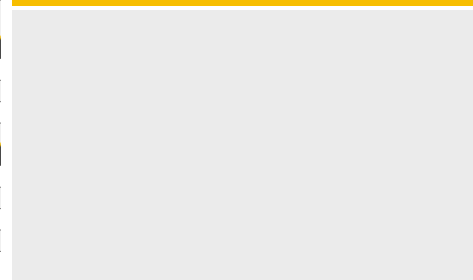


max Kw

ML PLUS

SNOW BLADE

ML PLUS	28	32	36
MACHINE			
Signal flags	✓	✓	✓
Blade micro alloyed steel made high yield STRENX 700/S700MC	✓	✓	✓
Change angle of incidence that allows the installation of different types of scraping blades	✓	✓	✓
Swing side	✓	✓	✓
Curved lift kit	✓	✓	✓
Straight lift kit	•	•	•
Rubber splash guard	•	•	•
Set of LED clearance lights with supports	•	•	•
French signalling kit	•	•	•
German signaling kit in presence of clearance lights	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators 12V - 24V	•	•	•
Polyurethane lateral edges	•	•	•
Forced release to improve the capacity of scraper	•	•	•
ATTACHMENT FOR TRACTOR			
Attachment 3 points Cat. II	✓	✓	✓
DIN 76060 plate size 3 ("B") with parallelogram lifting	•	•	•
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•	•
SETRA plate with parallelogram lifting	•	•	•
TERNA hook plate version with fake piston to couple to arms GROUP 3	•	•	•
TERNA hook plate version with fake piston to couple to arms GROUP 5	•	•	•
DIN 76060 Plate Size 3/ ASSALONI mt 1,20	•	•	•
HYDRAULIC SYSTEM			
Hydraulic control right-left rotation with by pass safety valve	✓	✓	✓
Kit accumulator weight (not compatible with the basic version with 3-point attachment) (necessary with Bi-steel system for insertion 2nd steel or polyurethane knife)	•	•	•
Electro-hydraulic unit EP5-H complete panel with control box in the cab socket + plug wire and electrical cable: 12 V - 24 V	•	•	•
Electro-hydraulic unit EP7-H (for implement with option bi-steel rubber knife) complete panel with control box in the cab socket + plug wire and electrical cables 24 V	•	•	•
SAFETIES			
Side bumpers	✓	✓	✓
Side bumpers	✓	✓	✓
N° Sectors	1	1	1
Kit pair of auxiliary springs to increase resistance to release	•	•	✓
SCRAPING KNIVES			
HARDOX HB400 steel knives	✓	✓	✓
Scraping polietilene HD (plastic) knife replacing the steel one	•	•	•
Scraping rubber knife replacing the steel one	•	•	•
Scraping polyurethane knife replacing the steel one	•	•	•
Bi-steel system for insertion 2nd steel or polyurethane knife (it is necessary to add the weight accumulator kit)	•	•	•





M2 EVOLUTION

SNOW BLADE



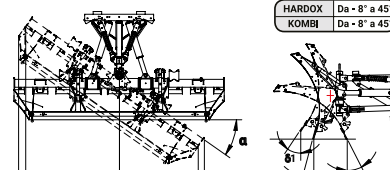
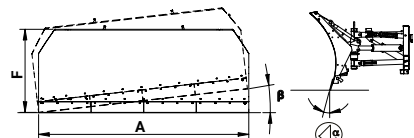
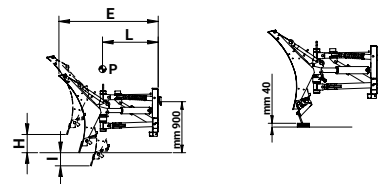
max km/h 20



max - 30



M2 EVOLUTION	28	30	33
A mm	2850	3050	3350
A' mm	3300	3500	3800
B mm	2334 (14560x + 878sx)	2498 (15380x + 960sx)	2744 (16610x + 1083sx)
C mm	2780	2944	3190
α °	35°	35°	35°
β °	±5°	±5°	±5°
δ °	1	45°	45°
	2	27,5°	27,5°
	3	8°	8°
D mm	2224	2282	2368
E mm	1440	1440	1063
F mm	1215	1215	1215
H mm	460	460	460
I mm	200	200	200
L mm	900	900	900
P kg	830	850	880



HARDOX Da - 8° a 45°

KOMBI Da - 8° a 45°

STRENGTHS POINTS

MY CHOICE - **STRENX**



max Kw

Hp 180 - 245 max

max Kw

Hp 180 - 245 max

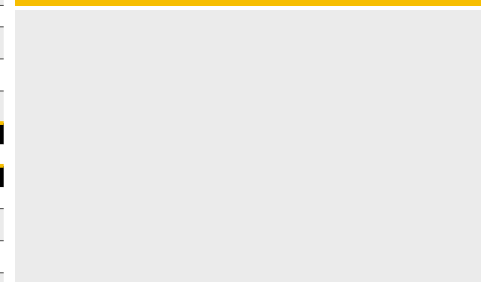
max Kw

Hp 280 - 320 max

M2 EVOLUTION

SNOW BLADE

M2 EVOLUTION	28	30	33
MACHINE			
Signal flags	✓	✓	✓
One body of great strength steel STRENX 700/S700MC with rear tube and reinforcing ribs	✓	✓	✓
Central system of oscillation that automatically locks the blade in transport position and leaves it free to follow the road in working position	✓	✓	✓
Manual adjustment of the angle of incidence	✓	✓	✓
Set of LED clearance lights with supports	•	•	•
Cushioning system through adjustable compression springs* (No. 4 sectors)	•	•	•
Spring shock absorber locking kit	•	•	•
Lateral extension for enlargement	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators (not with attachment e points CAT. II) 12V - 24V	•	•	•
Adjustable supporting wheels (not with equipment bi-knife)	•	•	•
Sliding skates (not with equipment bi-knife)	•	•	•
ATTACHMENT FOR TRACTOR			
Attachment 3 points Cat. II	✓	✓	✓
ASSALONI mt 1,20 plate with parallelogram lifting (specify if with cones or panel)	•	•	•
DIN 76060 plate size 3 ("B") with parallelogram lifting	•	•	•
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•	•
SETRA plate with parallelogram lifting	•	•	•
TERNA hook plate version with fake piston to couple to arms GROUP 3	•	•	•
TERNA hook plate version with fake piston to couple to arms GROUP 5	•	•	•
HYDRAULIC SYSTEM			
Hydraulic control right-left rotation with by pass safety valve	✓	✓	✓
Kit hydraulic feet (only for version with plate engaging ASSALONI 1.20)	•	•	•
Hydraulic adjustment of the angle of incidence	•	•	•
Hydraulic adjustment of the angle of incidence with nitrogen accumulator *	•	•	•
Kit accumulator weight advised with knife polyurethane (not with attachment e points CAT. II)	•	•	•
Electro-hydraulic control unit EP5-H complete with pushbutton panel with plug + metal socket and electrical cables (only lifting and rotating) 12 V - 24V	•	•	•
Electro-hydraulic control unit EP7-H complete with pushbutton panel with plug + metal socket and electrical cables (only lifting and rotating + insertion of double knife or hydraulic adjustment of the angle of incidence) 12 V - 24V	•	•	•
Electro-hydraulic control unit EP9-HA complete with pushbutton panel with plug + metal socket and electrical cables (only lifting and rotating + insertion of double knife + hydraulic adjustment of the angle of incidence) 12 V - 24V	•	•	•
SAFETIES			
N° Sectors	1	1	1
SCRAPING KNIVES			
HARDOX HB400 steel knives	✓	✓	✓
Bi-steel system for insertion 2nd rubber knife (no with optional *Cushioning system through adjustable compression springs)	•	•	•
Equipment bi-knife for insertion 2nd knife polyurethane (no with optional *Cushioning system through adjustable compression springs)	•	•	•
KOMRI S36 blade in steel and rubber high strength with aluminium oxide inserts	•	•	•





FUTURA	24	28	32	36
A mm	2400	2800	3200	3600
B mm	1956 (1280dx + 685sx)	2290 (1440dx + 850sx)	2620 (1605dx + 1015sx)	2950 (1770dx + 1180sx)
C mm	2215	2540	2870	3200
α °	35°	35°	35°	35°
β °	±5°	±5°	±5°	±5°
D mm	2035	2150	2265	2380
E mm	1690	1690	1690	1690
F mm	1080	1080	1080	1080
H mm	485	485	485	485
I mm	120	120	120	120
L mm	790	790	790	790
P kg	870	940	1030	1120

FUTURA

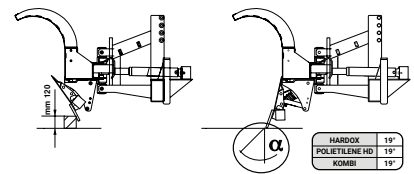
SNOW BLADE



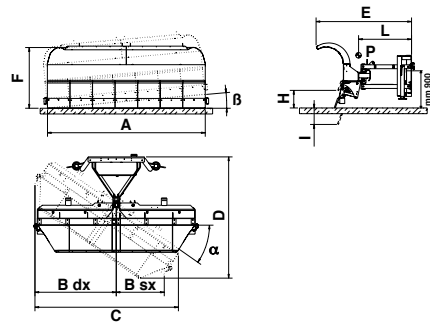
max km/h 60



max - 30



HARDOX	19°
POLILENE HD	19°
KOMBI	19°



STRENGTHS POINTS



max Kw

Hp 155 - 210 max



max Kw

Hp 155 - 210 max



max Kw

Hp 230 - 320 max

FUTURA

SNOW BLADE

FUTURA	24	28	32	36
MACHINE				
Signal flags	✓	✓	✓	✓
Blade micro alloyed steel made high yield STRENGTH 700/S700MC	✓	✓	✓	✓
Swing side	✓	✓	✓	✓
Curved lift kit (to be specified when ordering)	✓	✓	✓	✓
Straight lift kit	•	•	•	•
Rubber splash guard	•	•	•	•
Set of LED clearance lights with supports	•	•	•	•
French signalling kit	•	•	•	•
German signalling kit in presence of clearance lights	•	•	•	•
Polyurethane lateral edges	•	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators 12V - 24V	•	•	•	•
Adjustable supporting wheels	•	•	•	•
Sliding skates	•	•	•	•
ATTACHMENT FOR TRACTOR				
Attachment 3 points CAT. II	✓	✓	✓	✓
DIN 76060 plate size 3 ("B") with parallelogram lifting	•	•	•	•
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•	•	•
SETRA plate with parallelogram lifting	•	•	•	•
TERNA hook plate version with fake piston to couple to arms	•	•	•	•
HYDRAULIC SYSTEM				
Hydraulic control right-left rotation with by pass safety valve	✓	✓	✓	✓
Kit accumulator weight advised with knife polyurethane (not compatible with the basic version with 3-point attachment)	•	•	•	•
Electro-hydraulic control unit EP5-H complete with pushbutton panel with plug + metal socket and electrical cables 12 V - 24V	•	•	•	•
SAFETIES				
Safety on the down modular elements with compression springs	✓	✓	✓	✓
Side bumpers	✓	✓	✓	✓
Sectors cm 40-80-120 specify when ordering	✓	✓	✓	✓
SCRAPING KNIVES				
HARDOX HB400 steel knives	✓	✓	✓	✓
KOMBI blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•	•	•
Scraping polyethylene HD (plastic) knife replacing the steel one	•	•	•	•





SECTOR

SNOW BLADE



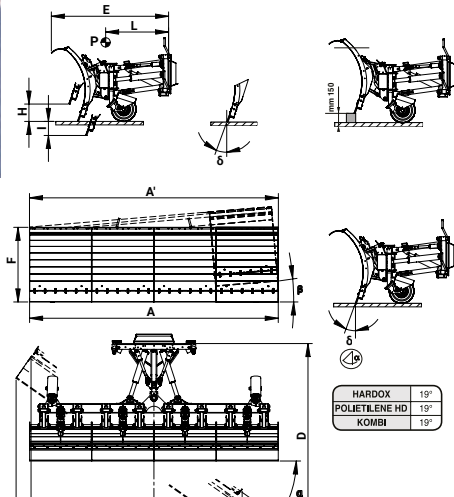
max km/h 60



max - 30



SECTOR	27	30	34	37	40
A mm	2710	3010	3410	3710	4010
A' mm	3716	3016	3416	3716	4016
B mm	2215 (1449dx + 766sx)	2471 (1572dx + 899sx)	2798 (1736dx + 1062sx)	3044 (1860dx + 1184sx)	3289 (1982dx + 1307sx)
C mm	2582	2828	3155	3401	3647
α °	35°	35°	35°	35°	35°
β °	±7°	±7°	±7°	±7°	±7°
δ °	20°	20°	20°	20°	20°
D mm	2487	2573	2687	2773	2860
E mm	1892	1892	1892	1892	1892
F mm	1202	1202	1202	1202	1202
H mm	370	370	370	370	370
I mm	220	220	220	220	220
L mm	1016	1016	1016	1016	1016
P kg	940	1020	1100	1180	1240



STRENGTHS POINTS



max Kw

Hp 155 - 210 max



max Kw

Hp 155 - 210 max



max Kw

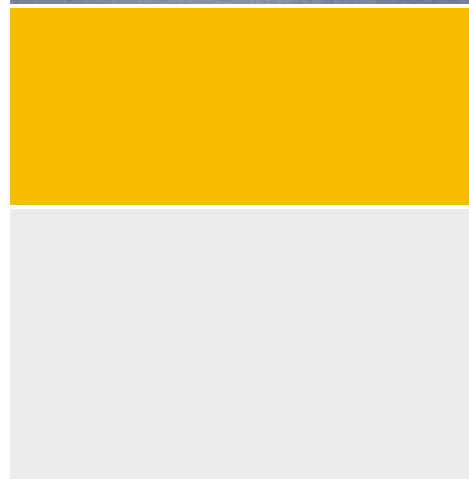
Hp 230 - 320 max

HARDOX	19°
POLYETILENE HD	19°
KOMBI	19°

SECTOR

SNOW BLADE

SECTOR	27	30	34	37	40
MACHINE					
Signal flags	✓	✓	✓	✓	✓
Blade micro alloyed steel made high yield STREX 700/S700MC	✓	✓	✓	✓	✓
Swing side	✓	✓	✓	✓	✓
Sliding skates	✓	✓	✓	✓	✓
Rubber splash guard	•	•	•	•	•
Forced release kit to improve the scraping ability	3 Sectors	•	•	•	•
	4 Sectors	•	•	•	•
Splash cover adjustable	•	•	•	•	•
Set of LED clearance lights with supports	•	•	•	•	•
French signalling kit	•	•	•	•	•
German signaling kit in presence of clearance lights	•	•	•	•	•
Polyurethane lateral edges	•	•	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators 12V - 24V	•	•	•	•	•
Adjustable supporting wheels	•	•	•	•	•
ATTACHMENT FOR TRACTOR					
DIN 76060 plate size 3 ("B") with parallelogram lifting	✓	✓	✓	✓	✓
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•	•	•	•
ASSALONI 1,20 plate with parallelogram lifting	•	•	•	•	•
SETRA plate with parallelogram lifting	•	•	•	•	•
TERNA hook plate version with fake piston to couple to arms - GR.3 ("B")	•	•	•	•	•
TERNA hook plate version with fake piston to couple to arms - GR.5 ("A")	•	•	•	•	•
Attachment 3 point Cat. II	•	•	•	•	•
HYDRAULIC SYSTEM					
Hydraulic control right-left rotation with by pass safety valve	✓	✓	✓	✓	✓
Kit hydraulic feet (only for version with plate engaging ASSALONI 1.20)	•	•	•	•	•
Electro-hydraulic unit EP9-AS complete panel with control box in the cab socket + plug wire 24V	•	•	•	•	•
Electro-hydraulic unit EP5-H complete panel with control box in the cab socket + plug wire and electrical cable 24V	•	•	•	•	•
SAFETIES					
Side bumpers	✓	✓	✓	✓	✓
Safety on modular sectors with traction springs and polyurethane shock absorbers drive between knife and aileron	✓	✓	✓	✓	✓
N° Sectors	3	3	4	4	4
SCRAPING KNIVES					
HARDOX HB400 steel knives con ammortizzatori in poliuretano	✓	✓	✓	✓	✓
KOMBI S36 blade in steel and rubber high strength with aluminium oxide inserts	•	•	•	•	•
KOMBI S50 blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•	•	•	•





G2

SNOW BLADE



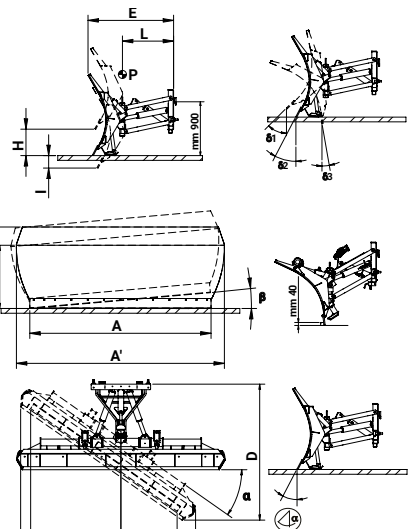
max km/h 20



max - 30



G2	2850	3050	3350
A mm	2850	3050	3350
A' mm	3300	3500	3800
B mm	2334 (14560x + 878sx)	2498 (15380x + 950sx)	2744 (16610x + 1083sx)
C mm	2780	2944	3190
α °	35°	35°	35°
β °	±5°	±5°	±5°
δ °	1	45°	45°
	2	27,5°	27,5°
	3	8°	8°
D mm	2224	2282	2368
E mm	1440	1440	1440
F mm	1063	1063	1063
F1 mm	1370	1370	1370
H mm	445	445	445
I mm	210	210	210
L mm	860	860	860
P kg	900	920	950



STRENGTHS POINTS



max Kw

Hp 180 - 245 max



max Kw

Hp 180 - 245 max



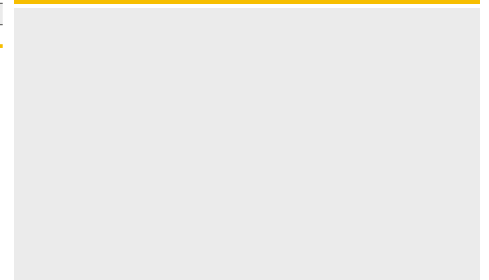
max Kw

Hp 280 - 380 max

G2

SNOW BLADE

G2	2850	3050	3350
MACHINE			
Signal flags	✓	✓	✓
One body of great strenght steel STRENX 700/S700MC with rear tube and rise above	✓	✓	✓
Rotation column free to follow the side of the road during work and locked automatically in transport position	✓	✓	✓
Set of LED clearance lights with supports	•	•	•
French signalling kit	•	•	•
German signaling kit in presence of clearance lights	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators	•	•	•
Sliding skates	•	•	•
ATTACHMENT FOR TRACTOR			
DIN 76060 plate size 3 ("B") with parallelogram lifting	✓	✓	✓
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•	•
ASSALONI 1,20 plate with parallelogram lifting	•	•	•
SETRA plate with parallelogram lifting	•	•	•
TERNA hook plate version with fake piston to couple to arms - GR.3	•	•	•
TERNA hook plate version with fake piston to couple to arms - GR.5	•	•	•
HYDRAULIC SYSTEM			
Hydraulic control right-left rotation with by pass safety valve	✓	✓	✓
Hydraulic tilting control	✓	✓	✓
Electro-hydraulic unit EP7-H complete panel with control box in the cab socket + plug wire and electrical cables	•	•	•
SAFETIES			
Safety system through with nitrogen accumulator	✓	✓	✓
SCRAPING KNIVES			
HARDOX HB400 steel knives	✓	✓	✓
KOMBI S36 blade in steel and rubber high strength with aluminium oxide inserts	•	•	•
KOMBI S50 blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•	•





HW 4000

SNOW BLADE



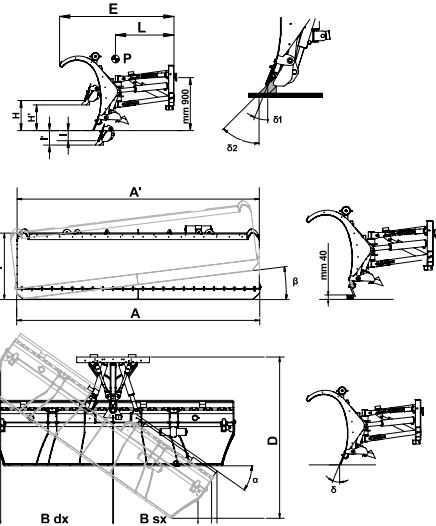
max km/h 50



max - 20



HW	35	40	45	50
A mm	3505	4005	4505	5005
A' mm	3490	3990	4490	4990
B mm	1660dx + 1210sx	1865dx + 1415sx	2070dx + 1620sx	2275dx + 1825sx
C mm	steel C1 polyurethane C2	3205 3615	4025 4120	4435 4550
α °	35°	35°	35°	35°
β °	±7°	±7°	±7°	±7°
δ °	steel δ1 polyurethane δ2	+22° +45°	+22° +45°	+22° +45°
D mm	2515	2655	2760	2870
E mm	1790	1790	1790	1790
F mm	1095	1095	1095	1095
H mm	400	400	400	400
I mm	230	230	230	230
L mm	900	900	900	900
P kg	1085	1140	1185	1250



STRENGTHS POINTS



Lt/1'	10	bar	120
max Kw	Hp 75 - 150 max	max Kw	Hp 130 - 285 max
max Kw	Hp 130 - 280 max		

HW 4000

LAMA SGOMBRANEVE

HW	35	40	45	50
MACHINE				
One body of great strength steel STREX 700/S700MC with rear tube	✓	✓	✓	✓
Central system of oscillation that automatically locks the blade in transport position and leaves it free to follow the road in working position	✓	✓	✓	✓
Signal flags	✓	✓	✓	✓
Set of LED clearance lights with supports	•	•	•	•
In height adjustable supporting wheels	•	•	•	•
Supporting wheel right side	•	•	•	•
Supporting wheel left side	•	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators 12V - 24V	•	•	•	•
Rubber splash guard	•	•	•	•
French signalling kit	•	•	•	•
German signalling kit in presence of clearance lights	•	•	•	•
Polyurethane lateral edges	•	•	•	•
ATTACHMENT FOR TRACTOR				
DIN 76060 plate group 3 ("B") with parallelogram lifting	✓	✓	✓	✓
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•	•	•
ASSALONI 1,20 plate with parallelogram lifting	•	•	•	•
SETRA plate with parallelogram lifting	•	•	•	•
TERNA hook plate version with fake piston to couple to arms - GR.3	•	•	•	•
TERNA hook plate version with fake piston to couple to arms - GR.5	•	•	•	•
Attachment 3 point CAT. II (only with polyurethane knife in place of the steel one)	•	•	•	•
HYDRAULIC SYSTEM				
Hydraulic rotation right-left with by pass safety valve	✓	✓	✓	✓
Kit hydraulic feet (only for version with plate engaging ASSALONI 1.20)	•	•	•	•
Electro-hydraulic unit EP9-AS complete panel with control box in the cab CANBUS socket + plug wire + electrical cable + joystick + electronic control of the weight	•	•	•	•
Battery weight	•	•	•	•
SAFETIES				
N. sectores	2	2	2	2
Safety system for shock through poliurethane elements between knife and blade	✓	✓	✓	✓
SCRAPING KNIVES				
HARDOX HB400 steel knives with polyurethane dampers	✓	✓	✓	✓
Quick knife change - patented system	•	•	•	•
KOMBI S36 blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•	•	•
KOMBI S50 blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•	•	•
Equipment bi-knife for insertion of second knife polyurethane (complete whit accumulator of weight)	•	•	•	•





AS	35	40	45	50
A mm	3505	4005	4505	5005
A' mm	3500	4000	4500	5000
B mm	1585 dx 1285 sx	1790 dx 1490 sx	1995 dx 1695 sx	2200 dx 1900 sx
C mm	steel C1 polyurethane C2	3280 3690	3940 4100	4350 4510
α °	35°	35°	35°	35°
β °	±7°	±7°	±7°	±7°
δ °	steel δ1 polyurethane δ2	15° 45°	15° 45°	15° 45°
D mm	2550	2690	2840	2970
E mm	1830	1830	1830	1830
F mm	955	955	955	955
F' mm	1055	1055	1055	1055
H mm	460	460	460	460
I mm	200	200	200	200
L mm	955	955	955	955
P kg	1075	1130	1190	1250

AS

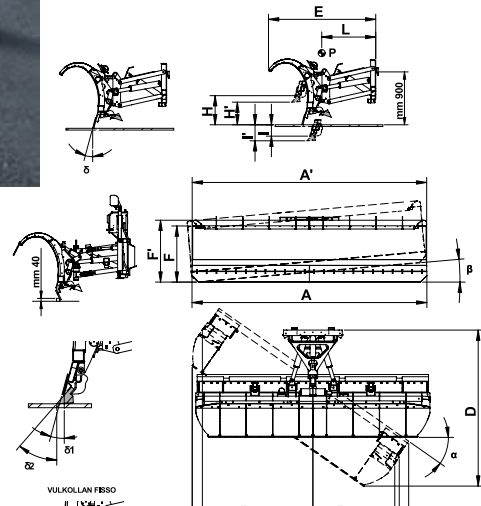
SNOW BLADE



max km/h 40



max - 30



STRENGTHS POINTS



max Kw

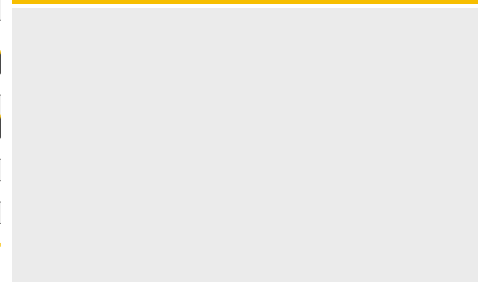
Hp 180 - 245 max



max Kw

Hp 280 - 380 max

AS	35	40	45	50
MACHINE				
One body of great strenght steel STRENX 700/S700MC with rear tube	✓	✓	✓	✓
Central system of oscillation that automatically locks the blade in transport position and leaves it free to follow the road in working position	✓	✓	✓	✓
Signal flags	✓	✓	✓	✓
Set of LED clearance lights with supports	•	•	•	•
Set of auxiliary lights completed with galvanized support and direction indicators 12V - 24V	•	•	•	•
French signalling kit	•	•	•	•
German signaling kit in presence of clearance lights	•	•	•	•
Rubber splash guard	•	•	•	•
Polyurethane lateral edges	•	•	•	•
Adjustable supporting wheels	•	•	•	•
ATTACHMENT FOR TRACTOR				
DIN 76060 plate group 3 ("B") with parallelogram lifting	✓	✓	✓	✓
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•	•	•
ASSALONI 1,20 plate with parallelogram lifting	•	•	•	•
SETRA plate with parallelogram lifting	•	•	•	•
TERNA hook plate version with fake piston to couple to arms - GR.3	•	•	•	•
TERNA hook plate version with fake piston to couple to arms - GR.5	•	•	•	•
Attachment 3 point CAT. II (only with polyurethane knife in place of the steel one)	•	•	•	•
HYDRAULIC SYSTEM				
Hydraulic rotation right-left with by pass safety valve	✓	✓	✓	✓
Kit hydraulic feet (only for version with plate engaging ASSALONI 1.20)	•	•	•	•
Hydraulic tiltin control + Nitrogen accumulator	•	•	•	•
Kit accumulator weight (necessary with Bi-steel system for insertion 2nd steel or polyurethane knife)	•	•	•	•
Electro-hydraulic unit EP9-AS complete panel with control box in the cab CANBUS socket + plug wire + electrical cable + joystick + electronic control of the weight	•	•	•	•
SAFETIES				
N. Sectors	2	2	2	2
Safety system for shock through poliurethane elements between knife and blade	✓	✓	✓	✓
SCRAPING KNIVES				
HARDOX HB400 steel knives with polyurethane dampers	✓	✓	✓	✓
Quick knife change - patented system	•	•	•	•
KOMBI S36 blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•	•	•
KOMBI S50 blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•	•	•
Equipment bi-knife for insertion 2nd knife polyurethane	•	•	•	•





AS40-50R

SNOW BLADE



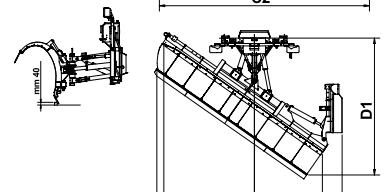
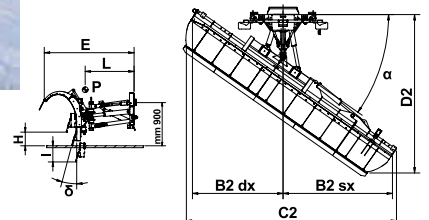
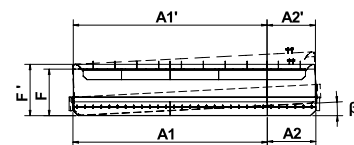
max km/h 40



max - 30



AS40-50R		AS40-50R	
A mm	A1 + A2	4004 + 1000	
A' mm	A1' + A2'	3990 + 995	
B mm	B1	3190 (1770 dx + 1420 sx)	
	B2	3920 (1770 dx + 2150 sx)	
C mm	C1	3775	
	C2	4402	
α °		35°	
β °		±7°	
δ °		15°	
D mm	D1	2796	
	D2	3254	
E mm		1857	
F mm		955	
F' mm		1055	
H mm		460	
I mm		200	
L mm		955	
P kg		1380	



STRENGTHS POINTS

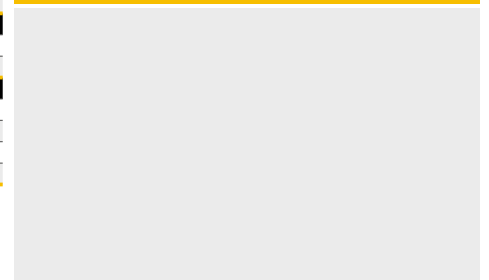


Lt/1'	10	bar	120
max Kw	Hp 75 - 150 max	max Kw	Hp 130 - 285 max
max Kw	Hp 130 - 280 max		

AS40-50R

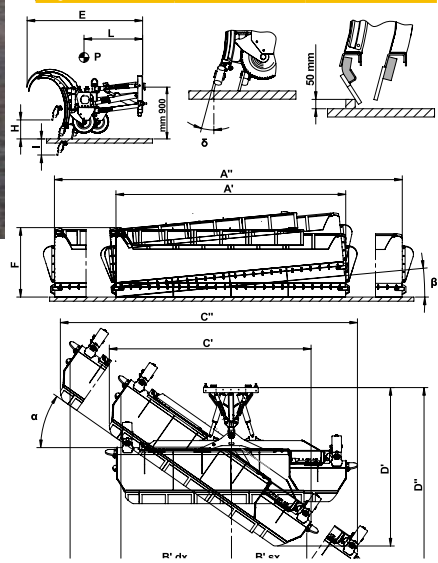
SNOW BLADE

AS40-50R	AS40-50R
MACHINE	
One body of great strenght steel STRENX 700/S700MC with rear tube	✓
Central system of oscillation that automatically locks the blade in transport position and leaves it free to follow the road in working position	✓
Signal flags	✓
Adjustable supporting wheels	✓
Extension fold on the left side that carries the width from 4 to 5 mt	✓
Set of LED clearance lights with supports	•
Set of auxiliary lights completed with galvanized support and direction indicators	•
French signalling kit	•
German signaling kit in presence of clearance lights	•
Rubber splash guard	•
Polyurethane lateral edges	•
ATTACHMENT FOR TRACTOR	
DIN 76060 plate group 3 ("B") with parallelogram lifting	✓
DIN 76060 plate size 5 ("A") with parallelogram lifting	•
ASSALONI 1,20 plate with parallelogram lifting	•
SETRA plate with parallelogram lifting	•
TERNA hook plate version with fake piston to couple to arms - GR,3	•
TERNA hook plate version with fake piston to couple to arms - GR,5	•
HYDRAULIC SYSTEM	
Hydraulic rotation right-left with by pass safety valve	✓
Battery weight	✓
Kit hydraulic feet (only for version with plate engaging ASSALONI 1.20)	•
Electro-hydraulic unit EP9-AS complete panel with control box in the cab CANBUS socket + plug wire + electrical cable + joystick + electronic control of the weight	•
SAFETIES	
N° Sectors	2 + 1
Safety system for shock through poliurethane elements between knife and blade	✓
SCRAPING KNIVES	
HARDOX HB400 steel knives with polyurethane dampers	✓
Quick knife change - patented system	•
KOMBI S36 blade steel and rubber with aluminium oxide inserts replacing the steel one	•
KOMBI S50 blade steel and rubber with aluminium oxide inserts replacing the steel one	•





DOPPELT	TSP 36-55	TSP 42-73
A' mm	3636	4200
A" mm	5435	7300
B' (35°) mm	2972	3433
B" (35°) mm	4447	5972
B' (32°) mm	3078	3554
B" (32°) mm	4604	6183
B' (30°) mm	3143	3629
B" (30°) mm	4701	6314
C mm	3239	3680
C' mm	4712	6220
α max	35°	35°
β	17°	17°
δ	15°	15°
D' mm	2792	2900
D" mm	3595	4100
E mm	2130	2130
F mm	1270	1270
H mm	345	345
I mm	250	250
L mm	1140	1140
P kg	1595	2060



DOPPELT

SNOW BLADE

max - 30



STRENGTHS POINTS

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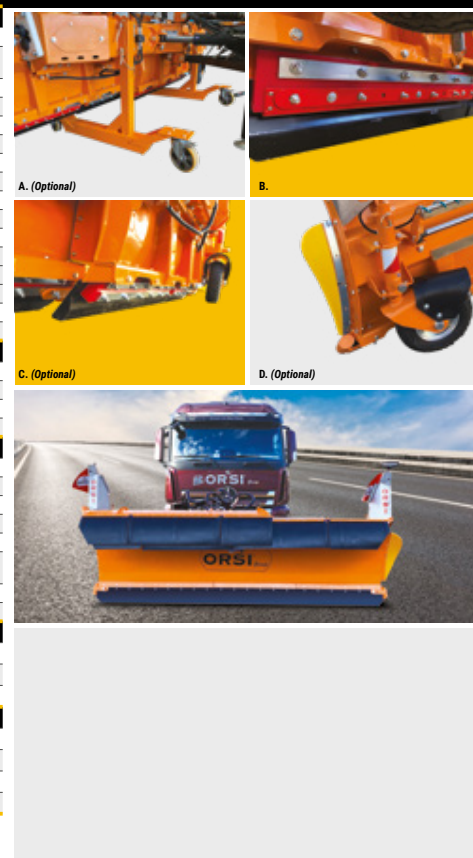
STRENX

Lt/1'	25	bar	175
max Kw	6x2 Kw 200-350		
	6x4 Kw 200-350		

DOPPELT

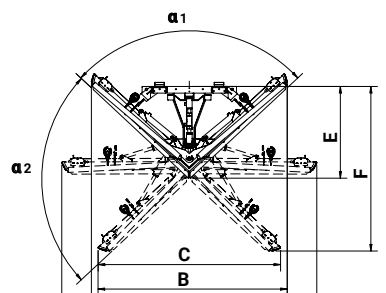
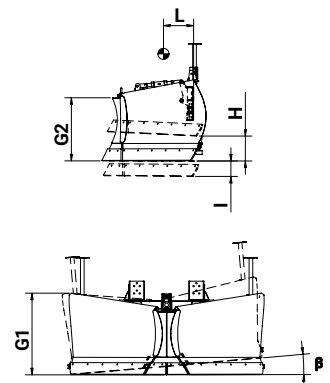
SNOW BLADE

DOPPELT	TSP 36-55	TSP 42-73
MACHINE		
Supporting frame and sliding elements in steel STRENX 700 MC PLUS	✓	✓
Central system of oscillation that automatically locks the blade in transport position and leaves it free to follow the road in working position	✓	✓
Rubber splash guard	✓	✓
Centrisaized lubrication	✓	✓
Stainless steel bolts INOX AISI 316 (A4)	✓	✓
Signal flags	✓	✓
Self-adjustable supporting wheels	✓	✓
Set of LED clearance lights with supports and backward lightening system with blinking led lights	✓	✓
Working light	•	•
Set of auxiliary lights completed with galvanized support and direction indicators	•	•
Polyurethane lateral edges (D)	•	•
French signalling kit	•	•
German signalling kit in presence of clearance lights	•	•
Polyurethane reinforced anti-splash bar	•	•
Truck for movement (with 4 wheels all equipped with brakes) (A)	•	•
Closing (only with Hardox knives)	•	•
ATTACHMENT FOR TRACTOR		
DIN 76060 plate group 3 ("B") with parallelogram lifting	✓	✓
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•
ASSALONI mt 1,20 plate with parallelogram lifting	•	•
MULTI-FASTER connection plates (P506-G + P506-K)	•	•
HYDRAULIC SYSTEM		
Hydraulic rotation right-left with by pass safety valve	✓	✓
Hydraulic wings opening	✓	✓
Kit weight accumulator (necessary with Electro-hydraulic unit or Electro-hydraulic distributor)	•	•
Kit hydraulic feet (only for version with plate engaging ASSALONI 1.20)	•	•
Electro-hydraulic unit EP9-AS/24V complete with joystick control box in the cab + weight lightening devise	•	•
Electro-hydraulic unit EP11-AS/24V complete panel with joystick control box in the cab (necessary for version with Kit hydraulic feet) + weight lightening devise	•	•
Electro-hydraulic 4 controls distributor's kit + floating + weight lightening devise	•	•
Electro-hydraulic diverter valve (to double 1 command of the vehicle)	•	•
SAFETIES		
N. 3 Side bumpers	✓	✓
Safety system for shock through poliurethane elements between knife and blade	✓	✓
N. 3 Side bumpers for KUPER S50 blade	•	•
SCRAPING KNIVES		
HARDOX HB400 steel knives with polyurethane dampers	✓	✓
Quick change knives (patented) (B)	✓	✓
KOMBI S50 blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•
KUPER S50 blade steel and rubber with aluminium oxide inserts replacing the steel one	•	•





VK	18	20
A mm	1840	2075
B mm	1770	2005
C mm	1695	1935
D mm	2375	2703
E mm	970	970
F mm	1635	1745
G1 mm	845	865
G2 mm	700	700
$\alpha 1^\circ$	$\pm 94^\circ$	$\pm 94^\circ$
$\alpha 2^\circ$	$\pm 86^\circ$	$\pm 86^\circ$
β°	$\pm 5^\circ$	$\pm 5^\circ$
H mm	265	265
I mm	165	165
L mm	320	320
P kg	315	330



VK VOMERE



max km/h 10



max - 30



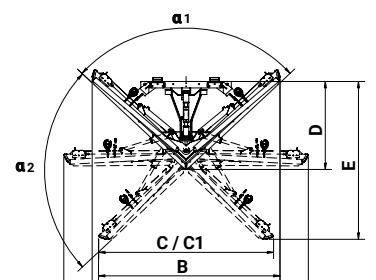
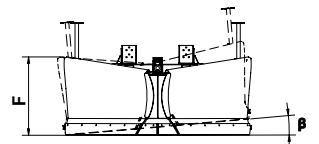
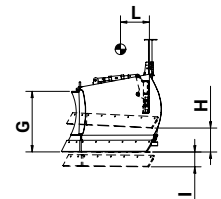
max Kw	Hp 45 - 60 max	max Kw	Hp 45 - 60 max
max Kw	Hp 125 - 170 max		

VK	18	20
MACHINE		
2 Steel STRENX 700/S700MC lateral blades to turn around a centrale pin	✓	✓
Swing side	✓	✓
Manual tilting control	✓	✓
Signal flags	✓	✓
Set of LED clearance lights with supports	•	•
Set of auxiliary lights completed with galvanized support and direction indicators	•	•
French signalling kit	•	•
German signalling kit in presence of clearance lights	•	•
ATTACHMENT FOR TRACTOR		
Attachment 3 point CAT. I	✓	✓
DIN 76060 plate size 3 ("B") with parallelogram lifting	•	•
ASSALONI 0,8 plate with parallelogram lifting	•	•
DEMI-SETRA plate with parallelogram lifting	•	•
Skid Loader plate to couple to arms	•	•
HYDRAULIC SYSTEM		
Aileron's independent hydraulic control	✓	✓
Electro-hydraulic unit EP7-H complete panel with control box in the cab socket + plug wire and electrical cables 12V	•	•
Electrohydraulic diverter valve to double a vehicle command	•	•
SAFETIES		
Oleopneumatic safety on the wings and through springs on knives	✓	✓
SCRAPING KNIVES		
HARDOX HB400 steel knives	✓	✓
Scraping polyethylene HD (plastic) knife replacing the steel one	•	•





VY	26	30
A mm	2600	3000
B mm	2350	2500
C mm	2100	2250
C1 mm	2545	2830
C2 mm	3860	4190
D mm	1600	1600
E mm	2700	2850
F mm	1330	1400
G mm	900	900
$\alpha 1^\circ$	$\pm 94^\circ$	$\pm 94^\circ$
$\alpha 2^\circ$	$\pm 86^\circ$	$\pm 86^\circ$
β°	$\pm 5^\circ$	$\pm 5^\circ$
H mm	354	354
I mm	298	298
L mm	630	630
P kg	1010	1300



VY

VOMERE



max km/h 10



max - 30



max Kw	Hp 150 - 205 max	max Kw	Hp 150 - 205 max
max Kw	Hp 280 - 380 max		

VY	26	30
MACHINE		
2 Steel STRENX 700/S700MC lateral blades to turn around a centrale pin	✓	✓
Swing side	✓	✓
Manual tilting control	✓	✓
Signal flags	✓	✓
Nitrogen accumulator	✓	✓
Set of LED clearance lights with supports	•	•
Set of auxiliary lights completed with galvanized support and direction indicators 12V - 24V	•	•
German signaling kit in presence of clearance lights	•	•
Sliding skates	•	•
ATTACHMENT FOR TRACTOR		
DIN 76060 plate size 3 ("B") with parallelogram lifting	✓	✓
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•
HYDRAULIC SYSTEM		
Aileron's independent hydraulic control	✓	✓
Hydraulic system version snow shovel (The shovel must be equipped with DIN 76060 GROUP 3 or 5 striking plate)	•	•
Hydraulic tilting control	•	•
Electro-hydraulic unit EP7-H complete panel with control box in the cab socket + plug wire and electrical cables 12V - 24V	•	•
Electro-hydraulic unit EP9-H complete panel with control box in the cab socket + plug wire and electrical cables (for machines equipped with hydraulic adjustment of the angle of attack) 12V - 24V	•	•
SAFETIES		
Oleopneumatic safety on the wings	✓	✓
SCRAPING KNIVES		
HARDOX HB400 steel knives	✓	✓





VARIA

SNOW PLOUGH



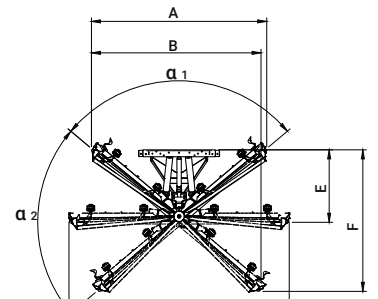
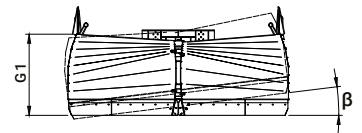
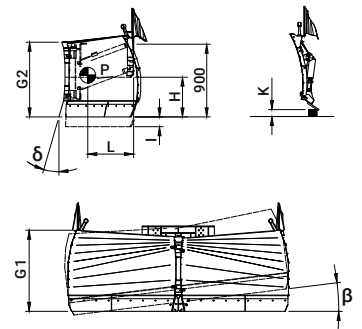
max km/h 40



max - 30



VARIA	2850	3050	3250	3550
A mm	2280	2430	2580	2810
B mm	2290	2440	2590	2820
C mm	2120	2270	2420	2650
D mm	2850	3050	3250	3550
E mm	1000	1000	1000	1000
F mm	1700	1960	2220	2600
G1 mm	1120	1125	1130	1235
G2 mm	1000	1000	1000	1100
α1 °	100°	100°	100°	100°
α2 °	80°	80°	80°	80°
β °	7°	7°	7°	7°
δ °	14°	14°	14°	14°
H mm	95	95	95	95
K mm	545	545	545	545
I mm	135	135	135	135
L mm	550	550	550	550
P kg	600	620	650	690

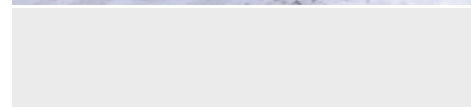


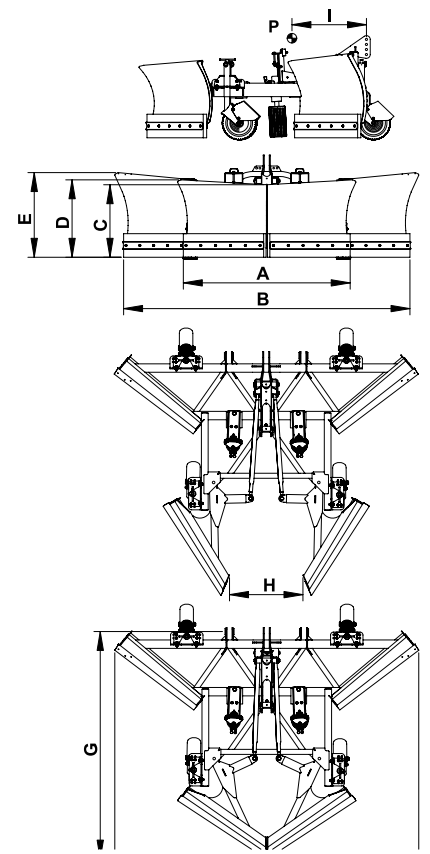
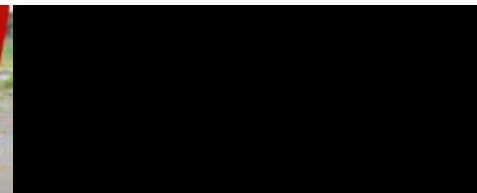
max Kw	Hp 140 - 190	max Kw	Hp 140 - 190
max Kw	Hp 180 - 245		

VARIA

SNOW PLOUGH

VARIA	2850	3050	3250	3550
MACHINE				
Blade micro alloyed steel made high yield STRENX 700/S700MC	✓	✓	✓	✓
Swing side	✓	✓	✓	✓
Manual tilting control	✓	✓	✓	✓
Signal flags	✓	✓	✓	✓
Laterla extension for enlargement	•	•	•	•
Set of LED clearance lights with supports	•	•	•	•
Sliding skates	•	•	•	•
Rubber splash guard	•	•	•	•
ATTACHMENT FOR TRACTOR				
Attachment 3 point CAT. II	✓	✓	✓	✓
DIN 76060 plate size 3 ("B") with parallelogram lifting	•	•	•	•
TERNA hook plate version with fake piston to couple to arms GROUP 5 - GROUP 3	•	•	•	•
HYDRAULIC SYSTEM				
Aileron's independent hydraulic control	✓	✓	✓	✓
Electro-hydraulic unit EP5-H complete panel with control box in the cab socket + plug wire and electrical cables 12V - 24V	•	•	•	•
Electrohydraulic diverter valve to double a vehicle command	•	•	•	•
SAFETIES				
Shock absorber system with adjustable compression springs (N. 4 Sectors)	✓	✓	✓	✓
Oleopneumatic safety on the wings	✓	✓	✓	✓
Side bumpers	✓	✓	✓	✓
SCRAPING KNIVES				
HARDOX HB400 steel knives	✓	✓	✓	✓
Scraping rubber knife replacing the steel one	•	•	•	•





SAL

SNOW PLOUGH

max km/h 40

max - 20



PLOUGHSHARE WITH BUILT-IN BRUSHERS FOR SNOW REMOVAL AND LIGHTS CLEANING ON THE TRACK AT AIRPORTS

Min. Lt/1'	50	Min. bar	100
Max Lt/1'	120	Max bar	200
max Kw	Hp 75 - 150 max		

SAL	3500
A mm	1982
B mm	3402
C mm	861
D mm	919
E mm	1005
F mm	3612
G mm	2703
H mm	872
I mm	885

SAL

SNOW PLOUGH

SAL 3500	3550
MACHINE	
Ailerons in Domex 700/S700MC	✓
Counter-rotating brushes hydraulically actuated	✓
4 Supporting wheels	✓
FE 510 Structure	✓
Signal flags	✓
Opening / closing timer	•
ATTACHMENT FOR TRACTOR	
Itch CAT. II	✓
HYDRAULIC SYSTEM	
Hydraulic opening of moldboards	✓
SCRAPING KNIVES	
Rubber knives	✓





PR

SALT SPREADER



max km/h 20



max - 30

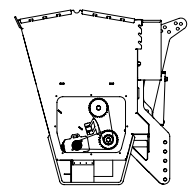
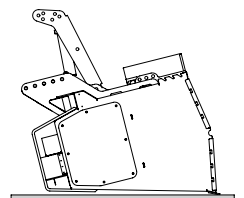
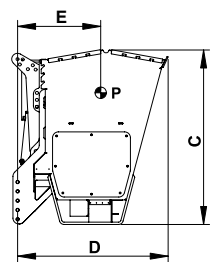
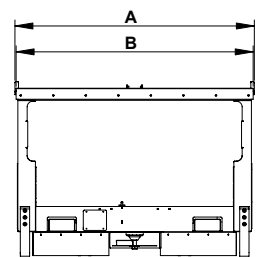


PR	600	800	1000	1200
Hopper capacity l	585	740	930	1145
Spreading width m	2-6	2-6	2-6	2-6
Dimensions cm	165x125x92	165x125x100	165x125x108	165x125x115
Unloaded weight kg	145	178	190	180
Min. tractor power Hp	50	55	80	85

max Kw	Hp 35 - 50 max PR 600/800
	Hp 60 - 85 max PR 1000/1200

PR	600	800	1000	1200
MACHINE				
Hopper in AISI 304 stainless steel and tipping	✓	✓	✓	✓
3-hole dispenser in AISI 304 stainless steel	✓	✓	✓	✓
Manual lever dispenser opening	✓	✓	✓	✓
Manual lever selection outlet holes	✓	✓	✓	✓
Dispenser disk stainless steel AISI 304	✓	✓	✓	✓
High swivel mixer with flange in rubber	✓	✓	✓	✓
Rain cover	✓	✓	✓	✓
Lights kit	✓	✓	✓	✓
Stainless steel AISI 304 spread regulator for spreading right-left or central	✓	✓	✓	✓
Hydraulic dispenser opening	•	•	•	•
ATTACHMENT FOR TRACTOR				
Attachment 3 point CAT. I e II	✓	✓	✓	✓
TRANSMISSION				
Drive shaft I = 800mm	✓	✓	✓	✓
HYDRAULIC SYSTEM				
Kit for hydraulic adjustment of spreader regulator	•	•	•	•
SAFETIES				
Safety grill	✓	✓	✓	✓





SAT

SELFLOADING SALT SPREADER

Lt/1' - 50

 max Kw
Hp 75 - 150 max



max km/h 40 max - 20



SAT	1000	1500
A mm	1560	2060
B mm	1510	2040
C mm	1500	1500
D mm	1295	1295
E mm	475	475
P kg	715	780
Hopper capacity mc	1,00	1,50
Spreading width m	2 ÷ 8	2 ÷ 8
Salt dosing m ²	5 ÷ 40 nr/m ²	5 ÷ 40 nr/m ²

SAT

SELFLOADING SALT SPREADER

SAT	1000	1500
MACHINE		
Supply system by worm screw	✓	✓
Start/stop of spreading by the tractor's hydraulic system	✓	✓
Compensated distributor unit with manual adjustment of the spread quantity and launch diameter (A.)	✓	✓
Manual adjustment of throwing direction (D.)	✓	✓
Supporting feet	✓	✓
Repetition rear lights vehicle	✓	✓
Spreading disc made in stainless steel AISI 304L	✓	✓
Protection cover of distributor	✓	✓
Salt self loading by hopper tipping with hydraulic control	•	•
Crusher shaft kit	•	•
Electroproportional compensated controls (adjustment of the spread quantity and launch diameter)	•	•
Electroproportional potentiometric compensated controls (adjustment of the spread quantity, launch diameter and launch direction with electric cylinder) (C.)	•	•
Kit rear warning sign (70X70)	•	•
PVC cover sheet kit	•	•
Sorting grid	•	•
Auger protection kit	•	•
ATTACHMENT FOR TRACTOR		
Attachment 3 point Cat. II	✓	✓
TRANSMISSION		
Screw trasmission (and crusher optional) to chain with automatic tensioner (B.)	✓	✓
HYDRAULIC SYSTEM		
Drived by the hydraulic tractor's system	✓	✓





These are electrically operated (12 V) spreaders with a hopper made of high density rotational polyethylene and spreading system with screw + rotating disc auger. The ribs created on the outer tank, as well as the system of union with the inner tank (made by thermo-fusion through the use of special machinery) make the equipment self-supporting. No. 4 steel lifting points/hooks, placed on the two longitudinal sides of the hopper, are also useful as an anchoring system to the vehicle body.

A control panel to be positioned in the driver's cab allows adjustment of the spreading width and quantity of material spread.

ESP	600	1200
Hopper Capacity l	620	1.200
Spreading width m	1,5 - 9	1,5 - 9
Dimension cm	135 x 122	221 x 127
Unloaded Weight kg	110	235
Supply voltage	12 V	12 V

ESP 600 - 1200

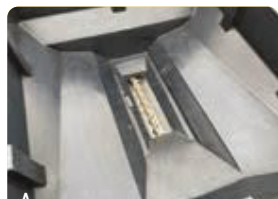
ELECTRIC SALT SPREADER



max km/h 40



max - 30



ESP	600	1200
MACCHINA		
AISI 304L stainless steel auger, with stainless steel containment box underneath (A)	✓	✓
Rear spreading unit made of polyethylene, but with AISI 304L stainless steel salt throw orientation sheet, hinged to the rear part of the material ejection tunnel by means of shaped stainless-steel supports and retractable pins with safety pins for quick coupling/uncoupling (B)	✓	✓
Electric motor compartment for auger movement completely protected and easy to inspect. The same applies to the electric motor compartment for the spreading disc (C)	✓	✓
External electric vibrator, bolted to the auger containment box and operated by means of a special control from a push-button panel in the cab, to facilitate the auger's pushing and pulling of the material to be spread (D)	✓	✓
N° 4 steel hooks both for lifting the equipment and for fastening it to the body of the carrier vehicle by means of special belts (E)	✓	✓
Galvanised steel mesh screen, fixed to the top of the hopper and useful both for safety and to prevent the entry of foreign bodies of a certain size (which could cause damage or malfunction to the spreading auger) (F)	✓	✓
PVC cover with elastic hooks on all 4 sides	✓	✓
Control panel for adjusting the spreading parameters (spread width and quantity of material) (G)	✓	✓
Electrical kit with cables and plugs for power supply from the battery of the carrier vehicle (H)	✓	✓





These are electrically operated spreaders (12 V) with a high-density rotational polyethylene hopper and a spreading system with auger + rotating disc. Adaptive supports allow easy attachment to the rear crossbar of small vehicle bodies.

A control panel in the driver's cab allows the width of the spread to be adjusted.

A control panel in the driver's cab allows the spreading width and quantity of material to be adjusted.

ESP	220	320
Hopper Capacity l	220	320
Spreading width m	1 - 9	1 - 9
Dimension cm	96 x 71	134 x 80
Unloaded Weight kg	80	100
Supply voltage	12 V	12 V

ESP 220 -320

ELECTRIC SALT SPREADER



max km/h 40



max - 30



ESP 220 - 320

ELECTRIC SALT SPREADER

ESP	220	320
MACHINE		
Horizontal-type material distribution auger, with AISI 304L stainless steel tank (A)	✓	✓
Spreading plate in polyethylene, with salt throw orientation sheet in AISI 304L stainless steel (B)	✓	✓
Electric motor compartment also in polyethylene, fully protected and easy to inspect (C)	✓	✓
External electric vibrator, bolted to the auger containment box and operated by means of a special control from a push-button panel in the cabin, to facilitate the auger's pushing and pulling of the material to be spread (D)	•	✓
Fixing system to the rear towing crossbar of the carrying vehicle (E - F)	•	•
Control panel for adjusting the spreading parameters (spread width and quantity of material) (G)	✓	✓
Electrical kit complete with cables and plugs for 12 V power supply from the vehicle battery (H)	✓	✓



E.



F.



G.

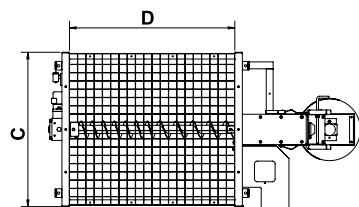
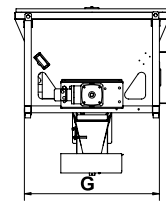
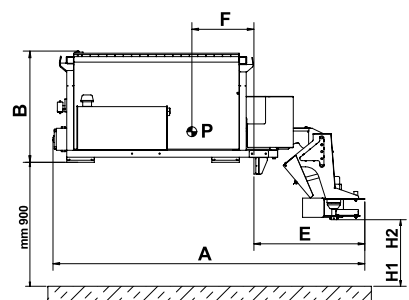


H.



ARTIK

SALT SPREADER



HOPPER CAPACITY

MODEL	ABILITY TO SALT SATIN m ³	ABILITY TO SALT HEAPED m ³
-------	--------------------------------------	---------------------------------------

ARTIK		50 / 75
Driving through the hydraulic system of the truck or independent motion-pump system	lit/1'	30
Power supply	bar	120
	V	12-24 TO BE SPECIFIED AT ORDER
Working width	m	2 + 8
Salt dosing	gr/m ²	5 ÷ 40
Sand-gravel dosing	gr/m ²	10 ÷ 350
Working speed	Max Km/h	0-50
Temperature	°C	-30

ARTIK	50	75
A mm	2264	2264
B mm	807	1007
C mm	1120	1120
D mm	1200	1200
E mm	800	800
F mm	450	450
H1 mm ↓	433	433
H2 mm ↑	583	583

ARTIK

SALT SPREADER

ARTIK	50	75
MACHINE		
Fully built in stainless steel AISI 304L	✓	✓
Compensated distributor unit with manual adjustment of the spread quantity and launch diameter	✓	✓
Supply system by worm screw	✓	✓
Simplified on/off control by box in driver's cab	✓	✓
Sorting grid	✓	✓
Supporting feet	✓	✓
Working light	✓	✓
Fixing belts to the body of vehicle	✓	✓
Manual adjustment of throwing direction	✓	✓
Electroproportional compensated controls (adjustment of the spread quantity and launch diameter) (operated by hydraulic system/ aux motor) (B.)	•	•
Kit rear warning sign (70x70)	•	•
Kit of auxiliary petrol engine 7 HP with pull start	•	•
Kit of auxiliary petrol engine 7 HP with electric starting from the cab (C.)	•	•
PVC cover sheet kit	•	•
Revolving light on special bayonet support	•	•
Voltage reduction kit from 24V to 12V (necessary for 12V auxiliary engine and mounting on 24V vehicles)	•	•
HYDRAULIC SYSTEM		
Driven by the hydraulic vehicle's system	✓	✓
ELECTRICAL SYSTEM		
Power supply 12-24V to be specified at order	✓	✓





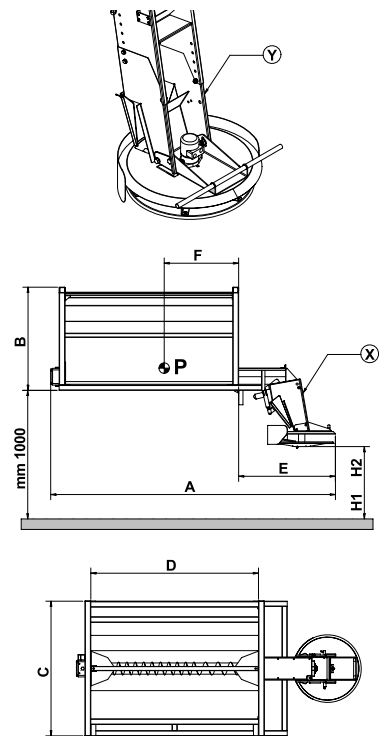
SPES

SALT SPREADER



SPES		16.10 / 16.15 / 20.15 / 20.20
Driving through the hydraulic system of the truck or independent motion-pump system	lt/1'	30
Power supply	bar	120
	V	12-24 TO BE SPECIFIED AT ORDER
Working width	m	2 + 8
Salt dosing	gr/m ²	5 + 40
Sand-gravel dosing	gr/m ²	10 + 350
Working speed	Max Km/h	0-50
Temperature	°C	-30

SPES		16.10 / 16.15	20.15 / 20.20
A mm		2750	3150
B mm		1050	1050
C mm		1297	1297
D mm		1600	2000
E mm		820 / 1000	820 / 1000
F mm		710	940
X	H1 mm	559	559
	H2 mm	709	709
	H1 mm	56	56



HOPPER CAPACITY

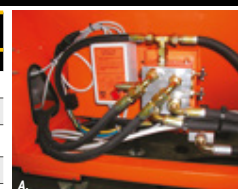
MODEL	ABILITY TO SALT SATIN m ³	ABILITY TO SALT HEAPED m ³
16.10	1	1,15
16.15**	1,5	1,6

**WITH RISING

SPES

SALT SPREADER

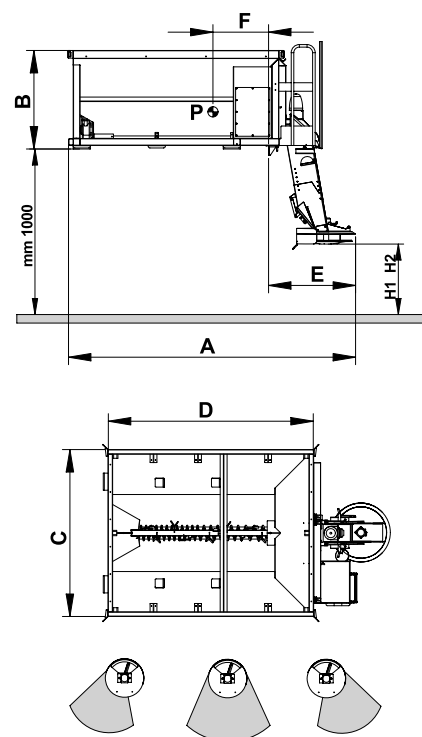
SPES	16.10 / 16.15	20.15 / 20.20
MACHINE		
Fully built in stainless steel AISI 304L	✓	✓
Worm in stainless steel AISI 304L	✓	-
Electroproportional compensated controls (adjustment of the spread quantity and launch diameter) (operated by hydraulic system/ aux motor) (B.)	✓	✓
Supply system by worm screw	✓	✓
Sorting grid	✓	✓
Supporting feet	✓	✓
Working light	✓	✓
Fixing belts to the body of vehicle	✓	✓
Manual adjustment of throwing direction	✓	✓
Short adjustable ramp	✓	-
Long adjustable ramp	-	✓
Kit of auxiliary petrol engine 7 HP SPES 16 with electric starting (12V) from the cab (C.)	•	-
Kit of auxiliary petrol engine 9 HP SPES 20 with electric starting (12V) from the cab (C.)	-	•
Kit of auxiliary diesel engine 10 HP SPES 20 awith electric starting (12V) from the cab	•	•
Voltage reduction kit from 24V to 12V (necessary for 12V auxiliary engine and mounting on 24V vehicles) (A.)	•	•
Chain replacing the standard belt fixing	•	•
Reduction for manual control of spread quantity and launch diameter	•	•
Surcharge for long adjustable ramp	•	-
Price reduction for short adjustable ramp	-	•
Kit + 150mm for short adjustable ramp th	•	•
PVC cover sheet kit	•	•
Revolving light on special bayonet support	•	•
Kit rear warning sign (90x90)	•	•
Kit rear bar without lights	•	•
Kit lamiera di invito per carico materiale	•	•
Control of launch direction with electric cylinder	•	•
HYDRAULIC SYSTEM		
Driven by the hydraulic vehicle's system	✓	✓
ELECTRICAL SYSTEM		
Power supply 12-24V to be specified at order	✓	✓





ALP

SALT SPREADER



ALP		23.27 / 23.33 23.40 / 23.50
Driving through the hydraulic system of the truck or independent motion-pump system	lt/1'	50
Power supply	bar	180
Working width	V	1224
Salt dosing	m	2 ÷ 10
Sand-gravel dosing	gr/m ²	5 ÷ 40
Working speed	gr/m ²	10 ÷ 350
Temperature	Max Km/h	0-60
	°C	-30

ALP	23.27 / 23.33 / 23.40 / 23.50
A mm	3671
B mm	1050
C mm	1800
D mm	2320
E mm	1347
F mm	870
H1 mm	89
H2 mm	286
P kn	720

HOPPER CAPACITY

MODEL	ABILITY TO SALT SATIN m ²	ABILITY TO SALT HEAPED m ²
23.27	2,7	3,0
23.33	3,3	3,6
23.40	4,0	4,4
23.50	5,0	5,5

ALP

SALT SPREADER

ALP	23.27	23.33	23.40	23.50
MACHINE				
Fully built in stainless steel AISI 304L	✓	✓	✓	✓
Electroproportional compensated controls (adjustment of the spread quantity and launch diameter) (operated by hydraulic system/ aux motor) (A)	✓	✓	✓	✓
Manual adjustment of throwing direction	✓	✓	✓	✓
Supply system by worm screw	✓	✓	✓	✓
Sorting grid	✓	✓	✓	✓
Supporting feet	✓	✓	✓	✓
Working light	✓	✓	✓	✓
Ladder for hopper inspection	✓	✓	✓	✓
Fixing chains to the body of vehicle	✓	✓	✓	✓
Kit of auxiliary diesel engine 22 HP with electric starting from the cab	•	•	•	•
Control of launch direction with electric cylinder	•	•	•	•
PVC cover sheet kit and easy opening from the ground	•	•	•	•
Revolving light on special bayonet support	•	•	•	•
Kit rear warning sign (90x90)	•	•	•	•
Kit rear bar with lights	•	•	•	•
Crusher shaft kit	•	•	•	•
HYDRAULIC SYSTEM				
Driven by the hydraulic vehicle's system	✓	✓	✓	✓
ELECTRICAL SYSTEM				
Power supply 12-24V to be specified at order	✓	✓	✓	✓





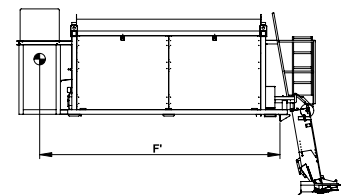
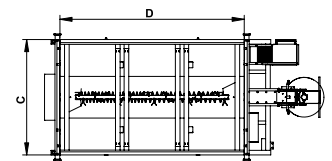
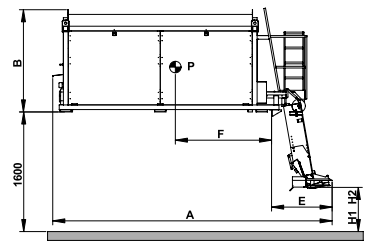
ICE

SALT SPREADER



ICE		32.60
Driving through the hydraulic system of the truck or independent motion-pump system	lt/1'	60
	bar	200
Power supply	V	24
Working width	m	2 ÷ 12
Salt dosing	gr/m ²	5 ÷ 40
Sand-gravel dosing	gr/m ²	10 ÷ 350
Working speed	Max Km/h	0-60
Temperature	°C	-30

ICE	32.60
A mm	4750
B mm	1775
C mm	2004
D mm	3200
E mm	961
F mm	1670
H mm	286-483
P kg	1150



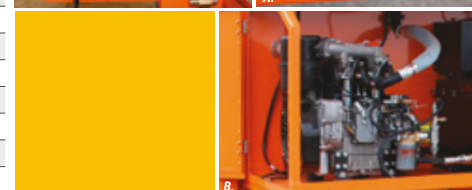
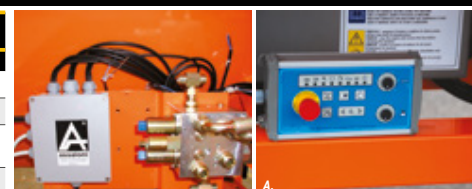
HOPPER CAPACITY

MODEL	ABILITY TO SALT SATIN m ³	ABILITY TO SALT HEAPED m ³
32.60	6	6,9

ALP

SALT SPREADER

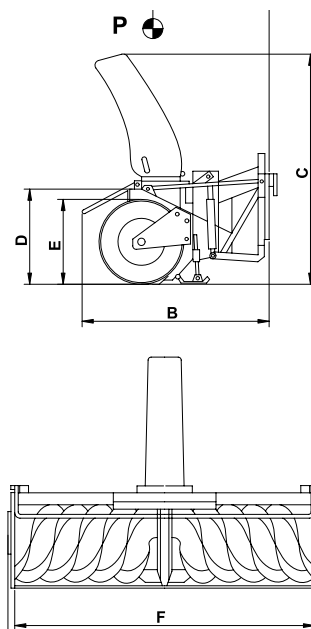
ICE	32.60
MACHINE	
Fully built in stainless steel AISI 304L	✓
Supply system by worm screw	✓
Electroproportional compensated controls (adjustment of the spread quantity and launch diameter) (operated by hydraulic system/ aux motor) (A.)	✓
Sorting grid	✓
Supporting feet	✓
Working light	✓
Fixing belts to the body of vehicle	✓
Manual adjustment of throwing direction	✓
Kit of auxiliary diesel engine 28 HP with electric starting from the cab (B.)	•
Control of launch direction with electric cylinder	•
PVC cover sheet kit and easy opening from the ground	•
Revolving light on special bayonet support	•
Warning signaling kit cm 90x90	•
Kit rear bar with lights	•
Crusher shaft kit	•
Sensor low salt	•
HYDRAULIC SYSTEM	
Driven by the hydraulic vehicle's system	✓





FF204-ID

SNOW BLOWER



FF204	FF204/A-ID
Lateral swing °	±10°
Chimney orientation °	±270°
Clearing capacity m ³ /h	2700
Throwing distance m	8-15
Continuous flow L/1'	140
Pressure Bar	250
Drive speed Km/h	0,2-2
Applicable power Kw	35-75

FF204	FF204/A-ID
A mm	2280
B mm	1540
C mm	1660
C mm	740
E mm	600
F mm	2270
G mm	800
P kn	855

FF204-ID

SNOW BLOWER

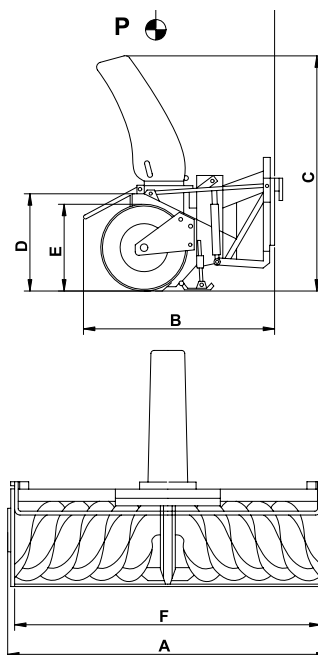
FF204	FF204/A-ID
MACHINE	
Front snow cutter constituted by a sturdy housing and 2 drums	✓
Rotation of the chimney through the carousel completely protected from water and ice driven by hydraulic motor with by-pass valve	✓
Lifting and lowering through backhoe arms	✓
Pair of sliding shoes in adjustable height	✓
Security on the transmission through shearing plug between the motor and the drum	✓
Splash protection in rubber	✓
Special chimney with hydraulic adjustment for directed throwing	•
ATTACHMENT FOR TRACTOR	
DIN 76060 GROUP 3 ("B")	✓
HYDRAULIC SYSTEM	
Drive through axial pistons motor	✓





FF204 PTO

SNOW BLOWER



FF204 PTO	FF204-A
Lateral swing °	±10°
Chimney orientation °	±270°
Clearing capacity m ³ /h	2700
Throwing distance m	8-15
Continuous flow L/1'	140
PTO Rpm	1000
Drive speed Km/h	0,2-2
Applicable power Kw	45-75

FF204 PTO	FF204-A
A mm	2280
B mm	1540
C mm	1660
D mm	740
E mm	600
F mm	2270
G mm	800
P kn	855

FF204 PTO

SNOW BLOWER

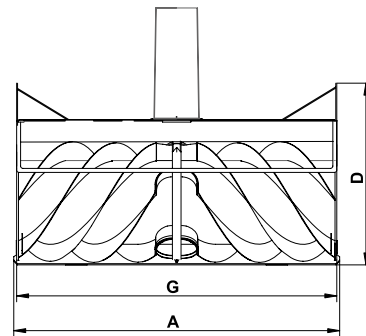
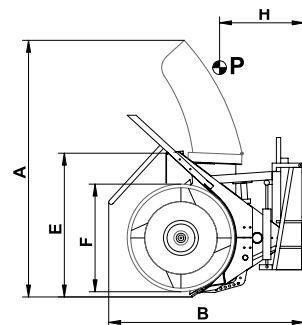
FF204 PTO	FF204-A
MACHINE	
Front snow cutter constituted by a sturdy housing and 2 drums	✓
Rotation of the chimney through the carousel completely protected from water and ice driven by hydraulic motor with by-pass valve	✓
Security on the transmission through shearing plug between the motor and the drum	✓
Pair of sliding shoes in adjustable height	✓
Splash protection in metal sheet	✓
Special chimney with hydraulic adjustment for directed throwing	•
ATTACHMENT FOR TRACTOR	
Lifting and lowering through 3-point hitch	✓
Attachment 3 point CAT. II	✓
TRANSMISSION	
Drive through the pto shaft of the vehicle	✓
Transmission return by chain/gears in oil bath	✓





FF

SNOW BLOWER



FF	FF228/1-TR	FF248/1-TR
Lateral swing °	12°	12°
Chimney orientation °	270°	270°
Clearing capacity m ³ /h	3300	3500
Throwing distance m	8-18	8-18
PTO Rpm	1000	1000
Drive speed Km/h	0,2-2	0,2-2
Applicable power Kw	75-180	75-180

FF	FF228/1-TR	FF248/1-TR
A mm	2330	2530
B mm	1710	1710
C mm	2340	2340
D mm	1540	1540
E mm	1220	1220
F mm	900	900
G mm	2280	2480
H mm	720	720

FF	FF228/1-TR	FF248/1-TR
MACHINE		
Front snow cutter constituted by a sturdy housing and relative roller	✓	✓
Rotation of the chimney through the carousel completely protected from water and ice driven by hydraulic motor with by-pass valve	✓	✓
Security on the transmission through shearing plug between the motor and the drum	✓	✓
Pair of sliding shoes in adjustable height	✓	✓
Splash protection in metal sheet	✓	✓
Loading chimney with mechanical adjustment	•	•
Loading chimney with hydraulic adjustment	•	•
Adjustable supporting wheels	•	•
Polyurethane side edging for new-jersey barriers	•	•
Set of LED clearance lights with supports	•	•
French signalling kit	•	•
German signalling kit in presence of clearance lights	•	•
ATTACHMENT FOR TRACTOR		
Lifting and lowering through 3-point hitch	✓	✓
Attachment 3 point CAT. II	✓	✓
DIN 76060 plate size 3 ("B") with parallelogram lifting	•	•
DIN 76060 plate size 5 ("A") with parallelogram lifting	•	•
SETRA plate with parallelogram lifting	•	•
TRANSMISSION		
Drive through the pto shaft of the vehicle	✓	✓
Transmission return by chain/gears in oil bath	✓	✓
SAFETIES		
Health & safety device with electro-magnetic brake for blocking the drum and disengaging the P.T.O.**	•	•

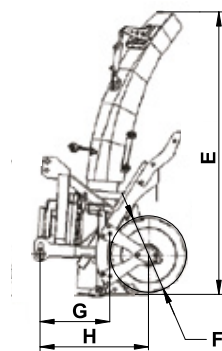
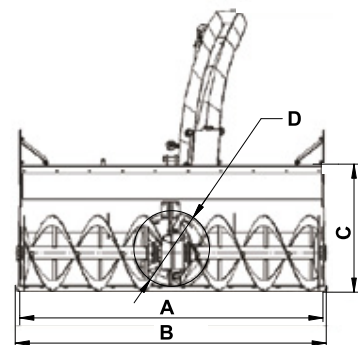
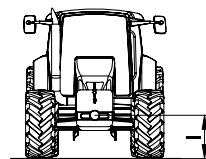


⚠ *** Only for Unimog - please contact our sales-dept



TFA 500



SNOW BLOWER



TFA 500	1400	1600	1800	2000	2200
A cm	140	160	180	200	220
B cm	144,5	164,5	184,5	204,5	224,5
C cm	84	84	84	84	84
D cm	50	50	50	50	50
E cm	185,5	185,5	185,5	185,5	185,5
F cm	50	50	50	50	50
G cm	48	48	48,7	49,5	50,2
H cm	70	70	70	70	70
I min-max	45-60	45-60	45-60	45-60	45-60
kg	380	410	450	500	535
CV/HP	50-100	55-100	65-100	80-110	85-110

TFA 500

SNOW BLOWER

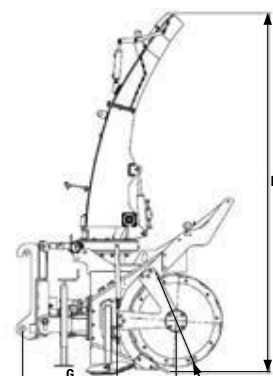
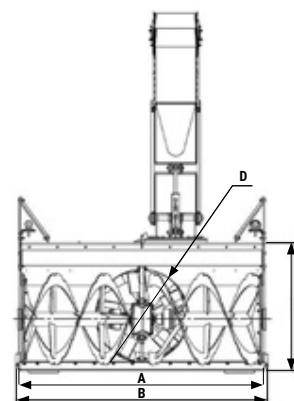
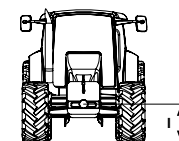
TFA 500	1400	1600	1800	2000	2200
MACHINE					
Working height	850 mm	850 mm	850 mm	850 mm	850 mm
Front propellers with ice breakers Ø 500 mm	✓	✓	✓	✓	✓
Fan 2nd stage Ø 500 mm	✓	✓	✓	✓	✓
Adjustable skids	✓	✓	✓	✓	✓
Galvanized steel expulsion channel mounted on a ball bearing with hydraulic rotation and adjustment hydraulic deflector	✓	✓	✓	✓	✓
Fully adjustable expulsion channel in galvanized steel	•	•	•	•	•
ATTACHMENT FOR TRACTOR					
Attachment 3 point CAT. II (Specify in the order if you need a different bracket)	✓	✓	✓	✓	✓
TRANSMISSION					
RPM 540 	✓	✓	✓	✓	✓
Cardan shaft transmission with safety limiter	•	•	•	•	•
Adaptation for pto 1000 rpm anti clockwise (front) 	•	•	•	•	•





TFA 750

SNOW BLOWER



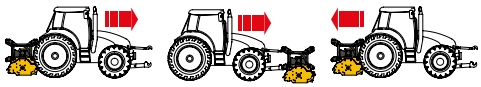
TFA 750	2400	2400-ID	2600	2600-ID
A cm	240	240	260	260
B cm	245,5	245,5	265,5	265,5
C cm	104	104	104	104
D cm	75	75	75	75
E cm	295	295	295	295
F cm	75	75	75	75
G cm	66,5	66,5	69	69
H cm	125,5	125,5	125,5	125,5
I min-max	65-85	65-85	65-85	65-85
kg	1020	1020	1100	1100
CV/HP	100-150	100-150	110-150	110-150

TFA 750

SNOW BLOWER

TFA 750	2400	2400-ID	2600	2600-ID
MACHINE				
Working height	1045 mm	1045 mm	1045 mm	1045 mm
Front propellers Ø 750 mm with ice breakers and cam-type cut-out clutch	✓	✓	✓	✓
Fan 2nd stage Ø 750 mm	✓	✓	✓	✓
Expulsion chimney with a double junction, mounted on a rotary table, hydraulically tiltable and with the possibility of an 3,30m loading extension.	✓	✓	✓	✓
Chimney rotation and adjustable angulation of the expulsion by hydraulic command.	✓	✓	✓	✓
Rocker snow blade with hydraulically controlled oscillation	•	•	•	•
Extension for truck loading	•	•	•	•
ATTACHMENT FOR TRACTOR				
Attachment 3 point CAT. II with autoleveling swinging + 0-4°	✓	-	✓	-
Possibility for attachment with plate or similar	-	✓	-	✓
Fastening plate for wheel loaders	-	•	-	•
Hydraulic lifting parallelogram (inclusive of plate)	•	•	•	•
HYDRAULIC SYSTEM				
Electro-hydraulic diverter valve to double 1 command of the vehicle	•	•	•	•
TRANSMISSION				
Gear box with 2-shaft PTO (you can use both with pto 1000 rpm anti clockwise ** and 540 rpm clockwise *)	✓	-	✓	-
Hydraulic piston engine	-	✓	-	✓
Cardan shaft transmission with safety limiter	•	-	•	-





KOMBI

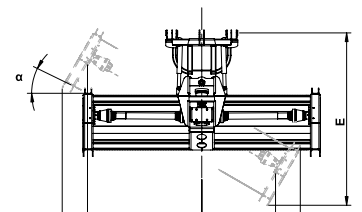
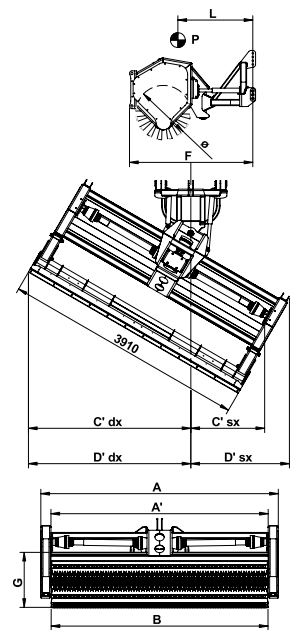
SWEeper



max km/h 10



max - 30



ROAD AND AIRPORT MAINTENANCE



max Kw

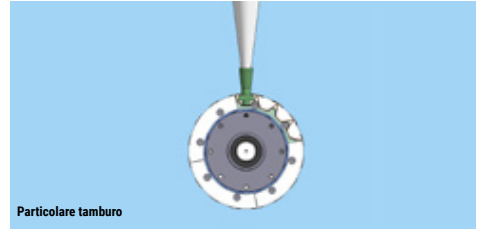
Hp 180 - 245 max

KOMBI 35			
A mm	3830	D mm	2250 dx 1590 sx
A' mm	3505	D' mm	2620 dx 1590 sx
B mm	3500	E mm	2780
Ø mm	880	F mm	1990
α °	30	G mm	895
C mm	1845 dx 1190 sx	L mm	1210
C' mm	2620 dx 1190 sx	P kg	1850

KOMBI

SWEeper

KOMBI	35
MACHINE	
Frontal sweeper consists of a front roller driven mechanism	✓
Supporting wheels in height adjustable	✓
Brushes polyethylene	✓
Steel brush for KOMBI	•
Set of LED clearance lights with supports	•
Lift kit	•
Rubber splash guard	•
ATTACHMENT FOR TRACTOR	
Lifting and lowering via 3-point hitch	✓
Linkage in CAT. II	✓
TRANSMISSION	
Drive through the pto shaft of the vehicle	✓
SAFETIES	
Blocks of transfer	✓
Segnali di sicurezza	✓
SCRAPING KNIVES	
Snow blade with rubber knife kg. 440	•
Hardox knives (5 sectors) safety knife with torsion springs for a better scraping effect	•



Particolare tamburo



STAR SWEEPER



max km/h 10



max - 30



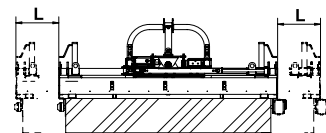
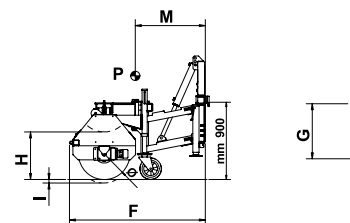
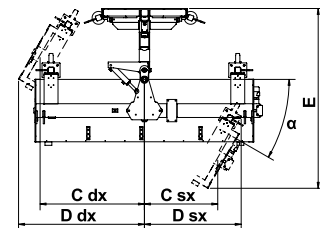
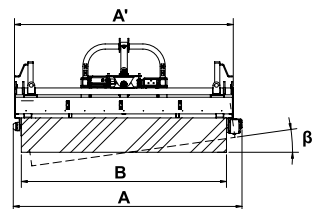
ROAD AND AIRPORT MAINTENANCE



max Kw

Hp 180 - 245 max

STAR 240			
A mm	2665	E mm	2095
A' mm	2550	F mm	1585
B mm	2400	G mm	640
Ø mm	600	H mm	555
α °	30	I mm	40
β °	± 8	L mm	500
C mm	1215 dx 855 sx	M mm	815



STAR	240
MACHINE	
Frontal sweeper consists of a carter of a carter and drums with brush	✓
Supporting wheels in height adjustable	✓
Splash protection in rubber	✓
RH-LH side traversing	•
Rubble container	•
Right side sweeper (Only with container)	•
Wetting system	•
Wetting system just for side sweeper (Only with container)	•
Water tank 250 litres in polyethylene mounted on the implement	•
Water tank 2500 litres in polyethylene mounted on the body of the vehicle	•
Set of LED clearance lights with supports	•
French signalling kit	•
German signalling kit in presence of clearance lights	•
ATTACHMENT FOR TRACTOR	
Lifting and lowering via 3-point hitch	✓
Linkage in CAT. II	✓
DIN 76060 plate group 3 ("B") with parallelogram lifting	•
DIN 76060 plate size 5 ("A") with parallelogram lifting	•
SETRA plate with parallelogram lifting	•
Loader version with fake piston to couple to arms	•
HYDRAULIC SYSTEM	
Hydraulic control right-left rotation	✓
Drive through orbital hydraulic engine	✓



По вопросам продаж и поддержки обращайтесь:

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