







MT

MKD

ZME

ZMGE

ZMTE PRO

**ZLE PRO** 

ZHE



	TRACTORS HP																			
	Models	18	25	30	35	40	45	50	60	70	75	80	85	90	95	100	110	120	130	160
	MT140																			
	MT160																			
	MT180																			
	MT200																			
	MKD2300																			
	MKD2500																			
<b>ADA</b>	MKD2800																			
CAN					1															
A &	ZME125		_																	
or US	ZME155																			
ge fi	ZMGE1400																			
Ran	ZMGE1600																			
FERRI Range for USA & CANADA	ZMTE1600 PRO																			
Œ	ZMTE1800 PRO																			<u> </u>
	ZMTE2000 PRO																			
	ZMTE2300 PRO								L											
	ZLE1800 PRO																			
	ZLE2000 PRO																			
	ZLE2300 PRO																			
	ZHE2500																			
Whi	ich are the envir	onment	al cond	itions r	equeste	d?														
1	А	Parks, Gardens, open fields, set aside,				ide,	MT - MKD													
	В	-	ditches,	banks			ZME-ZMG-ZMTE PRO-ZLE PRO-ZHE													
Mo	wing Conditions																			
	A		p to 20''				The all Range is OK													
2		Grass m	ore than	nk 20'' Big	g															
	В	Woods/	Branche	c/Duchor	B				MT-MKD-ZMGE-ZMTE PRO- ZLE PRO- ZHE				/hat Thickness				7110 7	MTE PRO -	ZLE PR	
		Woods/Branches/Bushes								.11L	Wh	at Thickn	ess			ZIVIGE-ZI				
Hov	w much will the mower be used?											.11L	Wh	at Thickn	ess	Up to 1 Up to 2		ZINIGE-ZI	ZHE	
		1	e used?	?									Wh	at Thickn	ess				ZHE	
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3	A B C AAA AAB AAC ABA	short pr short pr long pe MT MT MT - MI	e used? eriods pe riods per riods per KD (tractor	<b>?</b> er year (4 er year (8- or size is or size is	-8 weeks -8 weeks 16 weeks the drivii	) several l i) few hou ng factor) ng factor)	hours per urs per da	r day (up	to 6 hou				Wh	at Thickn	ess				ZHE	
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# Index

Model	min 🚎 max <b>ft</b>	min <b>HP</b> max		Cutting Flails					
мт	4′7″ - 6′6″	30 -70	×.		_	04			
МКД	7′6″ - 8′9″	75 - 130	-	<b>!!</b>	_	06			
ZME	4′10″ - 5′10″	18 - 40	Ĩ	-	_	08			
ZMGE	4′6″ - 5′2″	40 -70			_	10			
ZMTE PRO	5′5″ - 7′6″	60-80	₽ X		_	12			
ZLE PRO	6′0″ - 7′6″	60 - 120	<del>ال</del>	<u></u>	_	14			
ZHE	8′2″	100 - 160	<del>ال</del> ا	<b>!!</b>	_	16			

# 180 years of history

Since 1844 and for six generations, Ferri has been synonymous with Technological Innovation.

This evolution has been achieved through continuous focus on the research and development of machines for the maintenance of public and agricultural greenery.



Today, Ferri is one of the industry's leading companies in Europe with production and sales of more than 35.000 machines worldwide.





## **MOWERS FOR GRASS AND TWIGS**



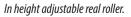
MT mower series are suitable for grass and twigs max 1' 3/4". The series is available in the fixed two-position version.

The possibility of adjusting the roller both in depth and in height makes the MT model particularly versatile and functional.



Internal rotor bearing.







Inner lining.



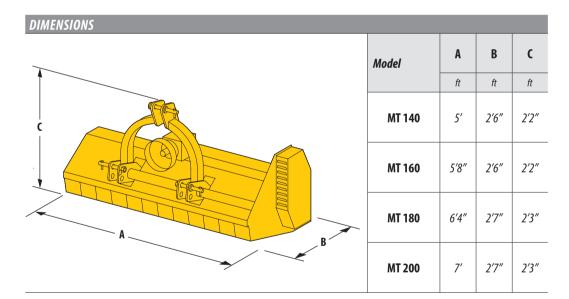
In depth adjustable real roller.



Adjustable belt-tensioner

TECHNICAL DAT	'A			
Model	tt	min 👘 💮 max HP	ft	ft
MT 140	4′7″	30-45	27″ 15″	29″ 41″
MT 160	5′3″	35-50	30″ 18″	33″ 45″
MT 180	5′10″	45-60	35″ 18″	36″ 53″
MT 200	6'6"	50-70	40″ 23″	40″ 57″

Model	تو <mark>ایت ا</mark> لی	rpm	n	ft/sec	JA Ib
MT 140	540	2.280	2	150	705
MT 160	540	2.280	3	150	794
MT 180	540	2.280	3	164	926
MT 200	540	2.280	3	164	1.014



FLAILS	FLAILS										
Cod.	Model	MT 140	MT 160	MT 180	MT 200	P					
		No.	No.	No.	No.	Ø in					
0901129	"Y" blades for: grass, twigs	≯	32	40	48	48	1 1/4″				
0901134	Hammer blades for: grass, twigs	1	16	20	24	24	1 3/4″				

- 3 point ISO universal linkage cat.1 and 2 with hydraulic sliding linkage.
- Central and offset linkage.
- Adjustable rear roller.
- Adjustable belt-tensioner.
- Inner lining.
- Rotor bearing internally fitted.
- Pto shaft with overrun clutch.
- Side skids.

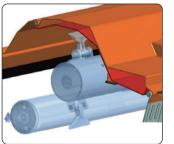




## FRONT AND REAR MOWERS FOR PROFESSIONAL GREEN MAINTENANCE AND AGRICULTURE



The MKD mowers are designed to handle multiple tasks daily, for tractors equipped with a rear and front P.T.O. These models are developed to be used by the green maintenance professionals to mow grass and cut vegetation. The rotor benefits of hel-ical arrangement of the cutting tools to evenly distribute the workload and allow the best balancing obtaining a significant vibration reduction. The counterweights are distributed on the balancing discs and not welded to the rotor. The frame features an encased structure with two separate beams, one in the front and the other in the upper section to ensure the best ratio between weight and rigidity. Other details such as the tubular skids, the roller with bolted-angles and the belt transmission with its belt tightener place the MKD series at the top of the professional shredders.



Inner lining to fully protect the cutting head.



*Belt drive with 4 or 5 belts and tightening pulley.* 



Side shift linkage with hydraulic cylinder.



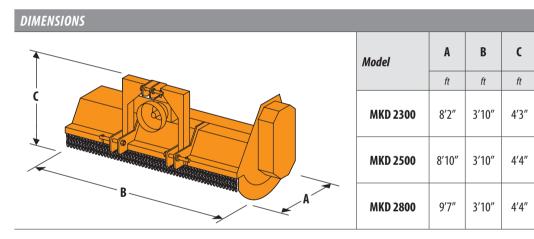
*Revolving upper three point linkage for front and rear mounting.* 

### TECHNICAL DATA

TECHNICALL	JAIA			
Model	ft	min 🚰 💿 max HP	ft	ft
MKD 2300	7′6″	75-130	3'10" 2'4"	3'10″ 5'4″
MKD 2500	8′2″	85-130	4′2″ 2′8″	4′2″ 5′8″
MKD 2800	8′9″	95-130	4′6″ 3′	4′6″ 6′

Model	rpm	ft	n	ft/sec	A A
MKD 2300	1.000*	1.97	4	177	1.929
MKD 2500	1.000	1.97	4	167	2.216
MKD 2800	1.000	1.97	5	167	2.304

(\*) On request: Pto 540 Rpm, rotor 1900 Rpm, blade tip speed 50 m/sec.



FLAILS						
Cod.	Model		MKD 2300	MKD 2500	MKD 2800	P
	Interchangeable on the same rotor	No.	No.	No.	Ø in	
0901146	Multi-use blades for: grass, shrubs, bushes, reeds	<del>]</del> 】	72	78	84	1 3/4″
0901196	Forged hammer-blades for: wood, grass, twigs		24	26	28	2″

- Universal three point linkage ISO cat. 2 and 3. Revolving upper three point linkage for front and rear mounting.
- Revolving upper 3 point linkage for front and rear mounting.
- Gearbox prearranged for rear (clockwise rotaion) and front (anticlockwise rotation) mounting.
- Side shift linkage with hydraulic cylinder.
- Inner lining (for a better protection of the entire mowing body).
- Tightener pulley with axial floating, guarantees durability of the transmission by limiting the power dissipation in heat.
- Adjustable rear roller.
- (4 positions) Ø 6 1/2" with bolted on bearing housing ends.
- Rotor internal bearing.
- Spiral rotor with balancing shields.
- Tubular slides (facilitate the translation of the shredder) with anti-wear pads.
- Wear bar for cutting adjustement.
- Hydraulic hoses with quick couplings.
- Front guards with metal flaps.
- Rear abrasion resistant rubbercloth guard.
- PTO shaft.



## **OFFSET/IN-LINE SLOPE MOWERS SPECIFICALLY DESIGNED** FOR COMPACT TRACTORS OFFSET MOWER



*Mechanical breakaway* (protection in the event of obstacles).

Rotor with internal sealed bearings.

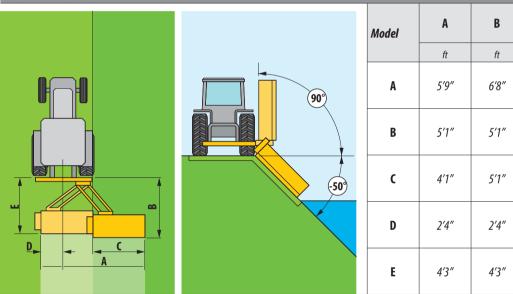


lbs.

			TECHNICAL DATA										
Model		min 🕘 💿 max HP	MIN ft										
ZME 125	4′1″	18-30	3′7″	1555									
ZME 155	5′1″	25-40	3′11″	2000									
		· · · · · · · · · · · · · · · · · · ·											

Model		Yor		Žo,S	<u>a</u> a
	rpm	rpm	n	ft/sec	lb
ZME 125	540	2.600	3	150	511
ZME 155	540	2.600	3	150	575

#### WORKING POSITIONS

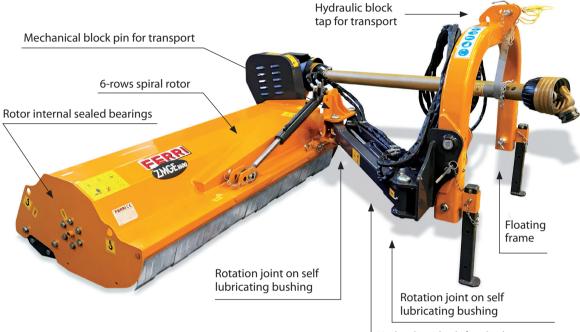


- Universal three point linkage ISO cat. 1.
- Hydraulic sideshift cylinder.
- Hydraulic cylinder for head positioning.
- Rotation joint and arms on self lubricating bushing.
- Rear adjustable roller Ø 4″ – 3 positions.
- Main housing with inner lining.
- Front and rear protection of flail head.
- Pto with overrun clutch.
- Packaging.

FLAILS					
Cod.	Model		ZME 125	ZME 155	P
			No.	No.	Ø in
0901133	Articulated "Y" blades for: grass, brambles, bushes etc.	X	56	72	1″



## OFFSET/IN-LINE SLOPE MOWERS FOR AGRICULTURE AND GREEN AREAS



Hydraulic side shift cylinder fitted within the parallel arms.

The new offset model ZMGE, compact and versatile, is the ideal solution for cleaning the edges of plots of land, ditch banks and green areas in general, suitable for tractors from 40 to 70 HP.

Recommended for grass, bushes, prunings up to a diameter of 1'3/4". The ZMGE model can be configured with a rotor with pressed sledgehammers or with a multi-purpose multi-knife rotor for particularly accurate grass trimming.





Gearbox unit outside the transmission cover (more offset and less PTO angle).





*Hydraulic block tap for transport with manual activation (no chains or holders)* 



Hydraulic side shift cylinder fitted within the parallel arms for better protection during work.



*Mechanical block pin for transport* (*no chains or holders*)



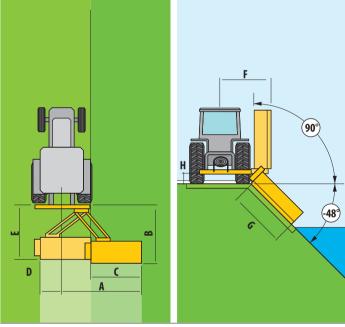
*Floating frame following the ground contours* 



Rotor internal sealed bearings

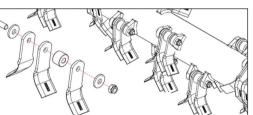
TECHNICAL DATA										
Model	[]  + ft		min 📩 💿 max HP		MIN ft					
ZMGE 1400	2MGE 1400 4'8"		)	4	4'11″		3.527			
ZMGE 1600	5′4″	40 - 70	)	4'11″		3.748				
Model	¢)===1()»	Yor	Q		Jost		<u>A</u>			
	rpm	rpm	r	ı	ft/sec		lb			
ZMGE 1400	540	2.700	3	3	157		981			
ZMGE 1600	540	2.700	3	}	157		1.025			

#### **WORKING POSITIONS**



## "MULTI-Y" FLAILS Innovative rotor with multi-purpose knives for more accurate and

uniform shredding of cultural residues.



ZMGE 1400

ft

8′6″

5′11″

4′8″

0′5″

5′8″

5′5″

3′4″

1′4″

Mod.

A

B

C

D

E

F

G

Η

**ZMGE 1600** 

ft

9′2″

5′11″

5′4″

0′5″

5′8″

5′5″

4′

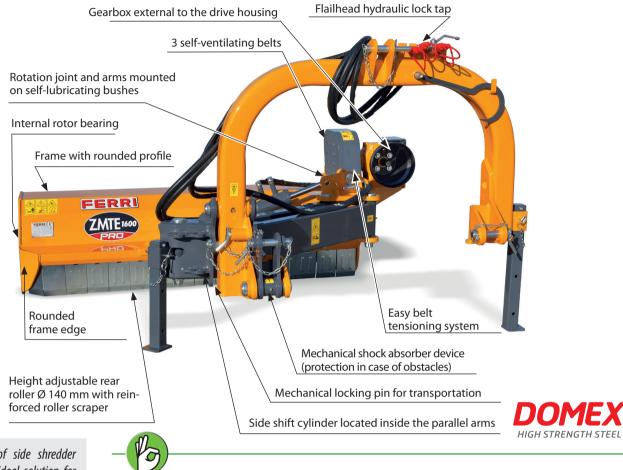
1′4″

FLAILS					
Cod.	Model			ZMGE 1600	P
	Interchangeable on the same rotor		No.	No.	Ø in
0901158	Multi-use blades for: grass, shrubs, bushes, reeds	肰	54	66	1′ 1/4″
0901194	Forged hammer-blades for: wood, grass, twigs		18	22	1 3/4″

- Gearbox is fitted outside the transmission cover (more reach and less pto shaft angle.
- Double locking system for transport (this avoids accidental tilting or side movement of the flail head) no need for chains or holders.
- Floating frame (the joint pin on the tractor side allows the head system to follow the ground, protecting the arm structure).
- Gearbox with free wheel.
- Hydraulic side shift cylinder fitted within the parallel arms for better protection during work.
- Hydraulic cylinder for head positioning.
- Rotation joint and parallel arms on self lubricating bushings.
- Heat treated pins.
- Rotor internal sealed bearing.
- Adjustable Rear Roller ø 5.5".
- Front guard with metal flaps.
- Reinforced Pto Shaft.
- Packaging (pallet).
- Adjustable side skids.



## OFFSET/IN-LINE SLOPE MOWERS FOR AGRICULTURE AND GREEN AREAS



The new model of side shredder ZMTE PRO, is the ideal solution for the cleaning of edges of plots of land, ditch banks, and generally green areas.

The external positioning of the multiplier unit allows to operate totally outside the tractor track in absolute safety, suitable for tractors from 60 to 80 HP.

As standard, the ZMTE PRO model is equipped with the DOMEX subframe to avoid damage to the frame itself and the innovative mechanical shock absorber to protect the whole machine in case of impact against obstacles.

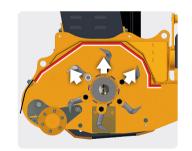
Recommended for grass, bushes, shrubs and wood up to 1' 3/4" in diameter.



Gearbox external to the drive housing.

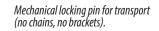


Floating flail body frame, self-leveling to the ground.



Inner lining **"Full coverage" Domex 700** Steel.







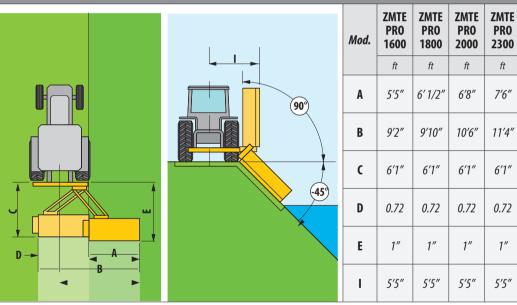
Mechanical shock absorber device (protection in case of obstacles).

#### TECHNICAL DATA

Model	₩₩₩ ₩ ft	min 률 🐨 max HP	ft	MIN
ZMTE PRO 1600	5′5″	60-80	5′3″	5.291
ZMTE PRO 1800	6′1/2″	60-80	5′11″	5.291
ZMTE PRO 2000	6′8″	70-80	6′7″	5.732
ZMTE PRO 2300	7'6″	70-80	7′7″	5.732

Model		Yor	Ø	20x	J.
	rpm	rpm	n	ft/sec	lb
<b>ZMTE PRO 1600</b>	540	2.514	3	177	1.336
<b>ZMTE PRO 1800</b>	540	2.514	3	177	1.398
ZMTE PRO 2000	540	2.514	3	177	1.444
<b>ZMTE PRO 2300</b>	540	2.514	4	177	1.556

#### **WORKING POSITIONS**

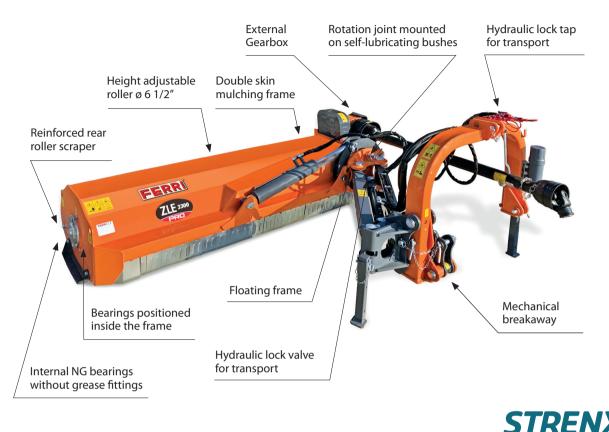


FLAILS							
Cod.	Model		ZMTE 1600	ZMTE 1800	ZMTE 2000	ZMTE 2300	P
	Interchangeable on the same rotor	No.	No.	No.	No.	Ø in	
0901129	"Y" blades for: grass, bushes, shrubs	≯	40	48	48	52	1 1/4″
0901134	Forged hammer-blades for: wood, grass, twigs	<u>*</u>	20	24	24	24	1 3/4″

- Universal three point linkage ISO cat. 2.
- Gear unit pdf 540 rpm in OFFSET position, box support bolted to the frame.
- Inner lining "Full coverage" Domex 700.
- Internal rotor bearings.
- Head positioning hydraulic cylinder and mechanical safety device for transport.
- Lateral parallelogram offset with protected adjustable hydraulic cylinder.
- Rotation joint and arms mounted on self-lubricating bushes.
- Floating flail body frame, selfleveling to the ground.
- Mechanical shock absorber device (protection in case of obstacles).
- Transport position with mechanical safety device.
- Easy belt tensioning system.
- FerriPERFECT, electronic balancing system and two-phase numerical control of the rotor.
- Reinforced "OVERLAP" double row spiral rotor.
- Height adjustable rear roller with reinforced roller scraper.
- Front guard with steel flaps.
- Rear guard with reinforced wear resistant rubber cloth.
- Hexalobate profile PTO shaft with reinforced cruises.
- Packaged on a separate pallet.
- Adjustable side skids.



## PROFESSIONAL OFFSET/IN-LINE SLOPE MOWERS FOR MUNICIPAL AND GREEN AREAS



The new model of professional offset mower ZLE PRO is particularly recommended for mulching prunings, branches and in general for the maintenance of road verges, hedges and embankments.

It can work behind the tractor in both central and lateral positions. Suitable for tractors from 60 to 120 HP.

As standard, the ZLE PRO model has a reinforced structure with the subframe in STRENX steel to avoid damage to the frame and the efficent mechanical breakaway to protect the machine in the event of a collision with obstacles.





*Gearbox unit outside the transmission for more homogeneous mulching.* 



Double skin mulching frame with interanl "Full Coverage" layer in Strenx 700.



*Rotor support with bearings positioned inside the frame.* 



*Rear roller support with internally fixed bearings NG without grease fittings.* 

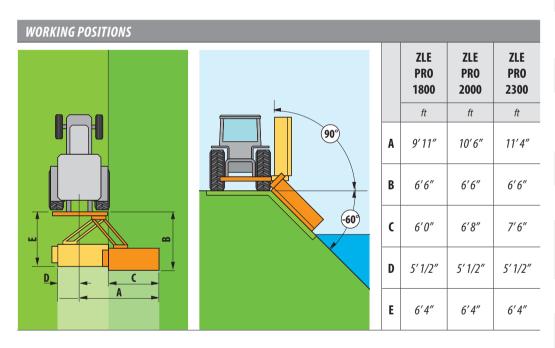


PERFORMANCE STEEL

Mechanical shock absorber device, total protection in case of collision with obstacles.

TECHNICAL DAT	A			
Model		min 🖉 💿 max		MIN
	ft	HP	ft	lb
ZLE PRO 1800	6′0″	60 - 120	6′7″	6.173
ZLE PRO 2000	6′8″	70 - 120	7′3″	6.620
ZLE PRO 2300	7′6″	80 - 120	7′7″	7.050

Model	rpm	rpm	n	ft/sec	j ∫j Ib
ZLE PRO 1800	540	2.250	4	174	1.830
ZLE PRO 2000	540	2.250	4	174	1.896
ZLE PRO 2300	540	2.250	4	174	2.000

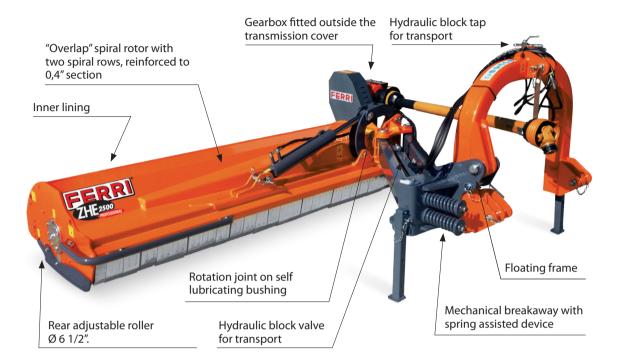


FLAILS						
Cod.	Model			ZLE PRO 2000	ZLE PRO 2300	P
	Interchangeable on the same rotor	No.	No.	No.	Ø in	
0901146	Multi-use blades for: grass, shrubs, bushes, reeds	<del>]</del> ]	54	60	66	1 1/4″
0901196	Forged hammer-blades for: wood, grass, twigs	<b>*</b>	18	20	22	1 3/4″

- Universal three point linkage ISO cat 2.
- Gearbox unit pdf 540 rpm in OUTSIDE position, gearbox support screwed to the frame.
- Double skin mulching frame with interanl "Full Coverage" layer in Sttrenx 700.
- Rotor bearings positioned inside the frame.
- Hydraulic ram for mulching head positioning and 2 hydraulic safety devices for transport.
- Sideshift with protected adjustable hydraulic cylinder.
- Rotation joint and arms mounted on self- lubricating bushes.
- Floating frame, self-leveling to the ground.
- Mechanical shock absorber device, total protection in case of collision with obstacles.
- Mechanical safety in transport.
- Easy transmission belt tensioning system.
- FerriPERFECT, electronic balancing system and twophase numerical control of the rotor.
- Reinforced "OVERLAP" double row spiral rotor.
- Adjustable rear roller
  Ø 168 mm with NG bearing supports and reinforced roller scraper.
- Front guard with steel flaps.
- Rear guard with reinforced wear resistant rubber cloth.
- Hexalobate profile PTO shaft with reinforced cruises.
- Symmetrical wear-resistant skids.
- Packaged on a separate pallet.



## OFFSET/IN-LINE SLOPE MOWERS FOR PROFESSIONALS AND GREEN AREAS

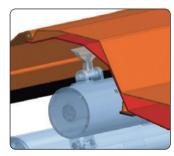


The ZHE2500 Central and offset mower meets the needs of the professional green maintenance operators, who require high productivity and reliability. The productivity is ensured by the significant cutting width of the machine and by the "Overlap" double helix rotor. The reliability stems from the presence of relevant structural details, such as the inner subframe all round protection, the shock absorber with mechanical springs, the rotation joint mounted on self-lubricating bushings and the height adjustable roller (Ø 6.6" with removable end caps). Particular attention has been paid to the safety during transportation, a double hydraulic lock system prevents unintentional movement or the oscillation of the mower.





*Gearbox unit outside the transmission cover (more-side sliding).* 



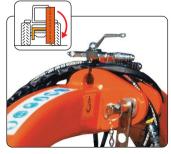
Inner lining for a complete protection of the frame.



Mechanical breakaway with spring assisted device.



*Hydraulic block valve for transport with automatic activation (no chains or holders.* 



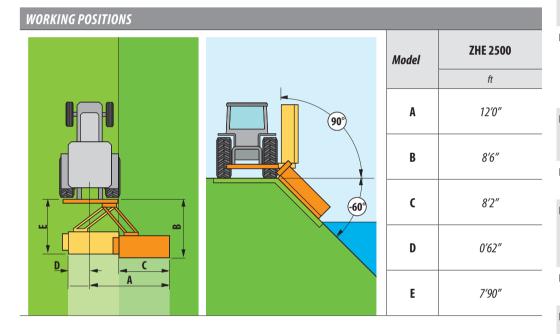
Hydraulic block tap for transport with manual activation (no chains or holders).



Adjustable side skids.

TECHNICAL DAT	<i>A</i>			
Model		min 률 💿 max		MIN
	ft	НР	ft	lb
ZHE 2500	8′2″	100 - 160	7′5″	8.818
	1	1	1	1

Model	rpm	rpm	n	ft/sec	Ib
ZHE 2500	540	2.140	5	171	2.992

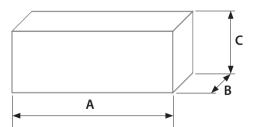


FLAILS				
Cod.	Model		ZHE 2500	9
	Interchangeable on the same rotor		No.	Ø in
0901146	Multi-use blades for: grass, shrubs, bushes, reeds	쀘	78	1′ 1/2″
0901196	Forged hammer-blades for: wood, grass, twigs	2	26	2″

- Universal three point linkage ISO cat. 2.
- Gearbox is fitted outside the transmission cover (more-side sliding and less pto shaft angle).
- Belt transmission (5 belts).
- Hydraulic block valve for transportation with automatic activation (this avoids accidental side movements of the flail head without operator's intervention or the use of chains or holders).
- Hydraulic block tap for transportation with manual activation (this avoids accidental leaning of the mowing body without use of chains or holders).
- Inner lining (sheet metal protection for the whole flail head).
- Mechanical breakaway with spring assisted device.
- "OVERLAP" spiral rotor with two spiral rows reinforced with a 0,4" section for forged hammerblades and multiuse flails.
- 6-rows-rotor reinforced with a 2/5" section for articulated flails.
- Adjustable counterblade (to adjust the size of the debris).
- Rear adjustable roller Ø 6 1/2".
- Floating frame to follow the ground contours.
- Adjustable side skids.
- Rotation joint and parallelogram arms on self lubricating bushing.
- Elastic joint between gearbox and rotor.
- Gearbox overrunning clutch.
- Hydraulic side shift cylinder fitted within the parallel arms for better protection during work.
- Front guard with metal flaps and rear guard with rubber.
- Reinforced Pto shaft.

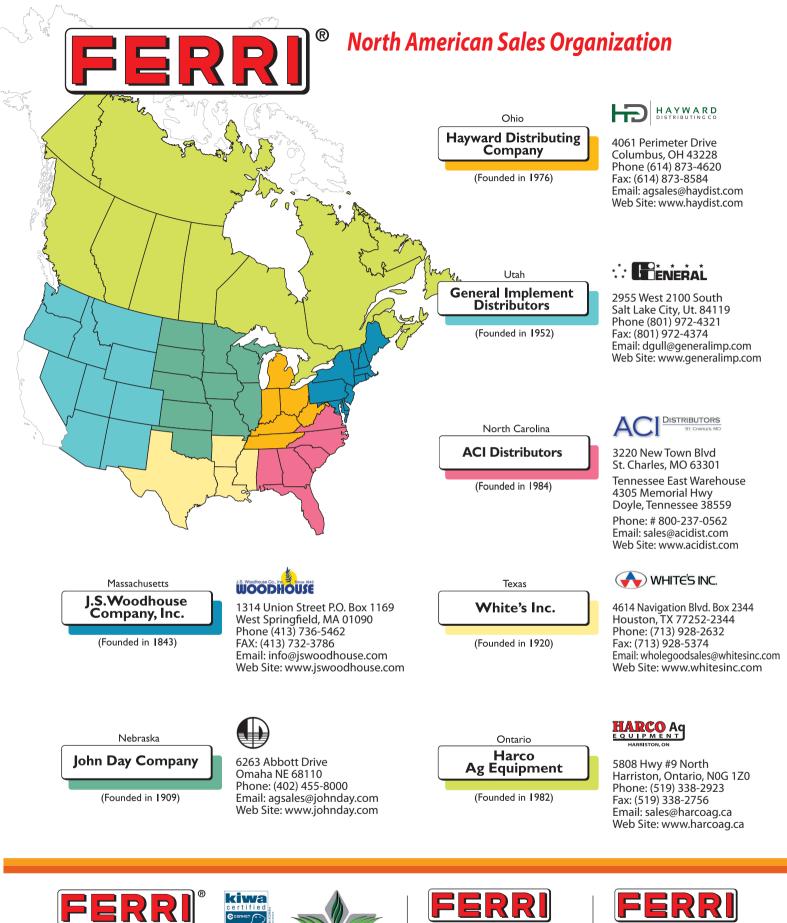
# **WEIGHTS & DIMENSIONS**

Models	D	imensions in Inch	es	Flail head	Weight
Models	A	В	C		Lbs
MT140	63"	31"	39"	-	793
MT160	71"	31"	39"	-	882
MT180	79"	31"	39"	-	1014
MT200	87″	31"	39″	-	1102
MKD2300	102″	47″	59″	_	2195
MKD2500	120″	49″	59″	_	2485
MKD2800	120″	49″	59″	_	2570
ZME125	67″	26″	40″	_	690
ZME155	67"	26″	40″	-	739
ZMGE1400	75″	32″	50″	_	1283
ZMGE1600	83″	29″	51″	_	1283
ZMTE PRO 1600	83″	29″	51″	_	1585
ZMTE PRO 1800	91"	29"	51"	-	1614
ZMTE PRO 2000	98″	29″	51″	-	1666
ZMTE PRO 2300	110″	69″	51″	_	1778
ZLE PRO 1800	91″	69″	47″	_	1830
ZLE PRO 2000	99″	69″	47″	_	1896
ZLE PRO 2300	110″	69″	51″	-	2000
ZHE2500	122″	65″	57″	-	3197



To be noted: wooden boxes can be put one on top of the other, furthermore a wooden box can hold a pallet. A pallet cannot hold any other machine on its top. Every consignment will be carefully analyzed in order to avoid loss of space and to optimize the load.

NOTE



EMDA

ASSOCIATE MEMBER

2023

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