

WEREMCZUK
AGROMACHINES

PRODUCER

FRUITS & VEGETABLES
HARVEST, CARE & GROW TECHNIQUE

FELIX/Z KWZ 280 KWZ 315

Full-row trailed harvesters for sour cherries, prunes, olives, almonds, industrial apples and other stone fruit. Machines are designed to work in orchards with espalier structure, where trees are trained properly. Recommended for large orchards area.

Efficient & easy to use

- Solid and durable construction
- Comfortable control system
- Fast and efficient harvest
- Hydraulic drives of working units
- Smooth regulation of working parameters
- Effective cleaning system
- Excellent quality of harvested fruits



WIDELY USED in fruit harvesting



Principle of **HARVESTER'S WORK**

The technology of collecting fruits is based on a vertical shakers harvesting system. The fruits are falling on the conveyor and are being transported through the cleaning unit, where they are being thoroughly cleaned off impurities including leaves and little sticks. The effective sealing system eliminates fruit losses. Depending on the fruit's designation market and on the final customer's requirements, fruits can be harvested into large 500 kg or small 10-20 kg boxes.



COMFORTABLE unloading of large boxes

or storing small boxes on **WORKING PLATFORM**



Version with platform and hydraulic rollers

- Possibility to choose the way of collecting fruit:
 - large boxes (500 kg)
 - small boxes (10 – 20 kg)
- Fast and convenient unloading
- Capacious working platforms



Version with hydraulic forks

EFFICIENT harvesting system

Basic working components enabling effective work:

- Shaking unit with 2 vertical shakers and adjusted shaking head
- Set of transporters (2 long and 2 vertical)
- Sealing unit with catchers minimizes efficiently fruits losses
- Cleaning unit with a set of fans
- 2 discharge chutes



HYDRAULIC DRIVES of working units

Harvester's working units are hydraulically driven. This solution ensures efficient work as well as smooth adjustment of operating parameters.

Basic adjustment mechanisms:

- Harvester position behind a tractor
- Speed of shaker unit
- Shaking power
- Optimal push of the shaker on a tree
- Speed of conveyor belts
- Power of cleaning unit (adjustment of the revolutions of the fan motors)
- Working parameters of the hydraulic driving assemblies (supply pressure in the hydraulic system, pump capacity, revolutions of hydraulic motors)



Comfortable **STEERAGE** of driving mechanisms

Steerage of basic driving mechanisms is possible directly from the tractor cabin by using **joystick**.

- **Hydraulically driven drawbar**, allows to adjust optimal position of the harvester behind the tractor



- **Turning wheels** supporting the harvester's maneuvering, additionally equipped with the function of **hydraulic lifting of the harvester on the wheel columns**

- **System of automatic adjustment of the harvester's position in a row**, using the functions: hydraulically driven drawbar and turning wheels

EFFECTIVE HARVEST on a different area



- Hydraulic lateral leveling of harvester
- Harvester lifting to total 50 cm for model KWZ 315 or to 20 cm for model KWZ 280
- On-tree push system – an optimal push of the shaker on a tree also for large longitudinal tilts of a field in a row.

SAFETY of use

- Durable construction
- Sealing and safeguards system
- Harvester's braking system connected to the tractor braking system (one system -hydraulic or pneumatic – declared by the customer)
- Parking brakes (separate left and right parking brakes operated manually on harvester)



Orchard **OPTIMAL PARAMETERS**

- **Distance between rows:** min. 4 m
- **Distance between trees in a row:** min. 1,5 m
- **Tree trunk height** measured from the first branches: min. 0,7 m
- **Max. trees height:**
 - 3,5 m for model **KWZ 280**
 - 3,85 m for model **KWZ 315**
- **Tree crown width:** max. 2 m
- **Trees** should be grown with an **upright trunk** and **elastic side branches** bearing fruit. Branches older than 4-5 years should be pruned



**If parameters of your orchard are different, please contact us.
 We will help you to choose a suitable solution!**



- **Turning area width:** min. 6 m
- Possible **longitudinal slope** (elevation) of the plantation to 12%
- **Maximum longitudinal slope (elevation) of the plantation:** 20% when working with a tractor with a drawbar pull up min. 17 kN, 73,5 - 88 kW engine power (possible only on dry and compact soils without weeds)
- Possible **crosswise slope** of the plantation to 12%
- **Plantation without weeds**

Main TECHNICAL DATA

Parameters	Value	Description	Comments
Number of harvested rows	pcs	1	
Number of shakers	pcs	2	
Shaking tunnel clearance	m	3,15 for KWZ 315 2,80 for KWZ 280	
Harvester lifting	cm	50 for KWZ 315 20 for KWZ 280	
Harvest efficiency	ha/h	0,2 ÷ 0,4	
Accuracy of harvest	%	above 90	
Working speed	km/h	0,5 – 1,0	
Fruits unloading methods	-	to small or large boxes	on both working platforms
Platforms capacity	kg	2 x 750	left and right side of the harvester
Drive of mechanisms	-	hydraulic	
Tractor power demand	HP	80	73,5 – 88 in case of working on slopes
Type of hook	-	TUZ beam	
Lifting capacity	t	min. 2,0	

WEREMCZUK FMR reserves the right to make the modifications. It considers necessary to the products in this catalogue without price notice.

Ask about price offer, time of delivery and transport option.

Contact us!!! Our consultants will help You to choose the best solution for You and Your orchard!

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[Find video
FELIX/Z harvester
at work](#)

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