

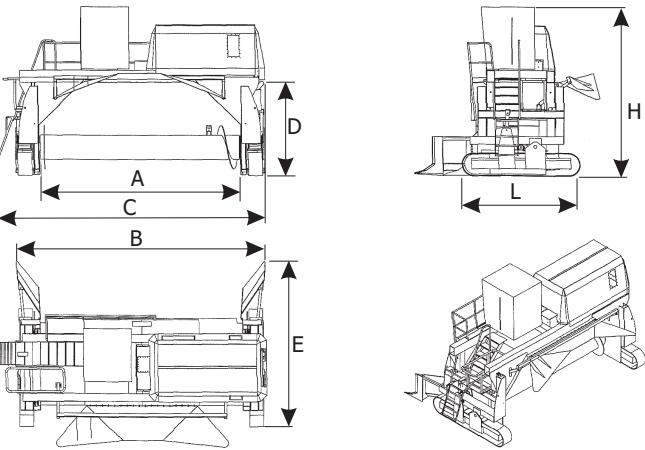
Notes about the Windrow-Turning

With maximum height under the turner tunnel when the machine is in "low" position - i.e. normal work position - and with windrows in normal trapezoidal form, MENART turners are designed to give maximum performance in terms of time used, output and optimum use of site surface.

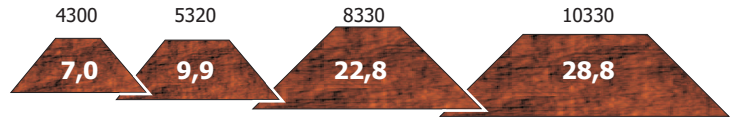
The tunnel height is variable which makes it possible to raise the structure to compensate for height variation of the windrows or to raise the rotor over any solid contaminates in the base of the windrow. The cross section of the windrow can never exceed that of the windrow tunnel and in practice will be slightly less.

The optional gathering arms, standard or active, are not to increase the quantity throughput but only to recover compost sliding off the sides of the windrows when material being turned is soft or unstable.

Dimensions and Weights



Windrows (sections in m², or volumes in m³ per linear length):



Windrows: optimum width (on soil level)
maximum section (with machine in lowest position)

Approximative weights:
Total diameter of the rotor :
Engine power:
Fuel tank capacity:
Tyres equipment:
Tracks equipment (L x w)
continuously regulated drive speed from
Output: depending on the nature of the material

	4300 SPM (2WD)	4300 SPM (4WD)	4300 SPMC	5320 SPM	5320 SPMC	8330 SPMC	10330 SPMC
A (m)	4,00	4,00	4,00	5,00	5,00	8,00	10,00
B (m)	5,20	5,20	5,20	6,20	6,20	9,00	11,00
B* (m)	5,50	5,50	5,50	6,70	6,70	---	---
C (m)	5,40	5,40	5,60	6,40	6,60	9,60	11,60
D (m)	1,80	1,80	1,80	2,20	2,20	3,00	3,00
D* (m)	2,30	2,30	2,30	2,70	2,70	3,50	3,50
E (m)	3,85	3,85	4,18	4,18	4,18	5,18	5,18
L (m)	2,55	2,55	2,98	2,98	2,98	3,98	3,98
H (m)	4,00	4,00	4,00	4,20	4,20	5,80	6,00
(m)	4,60	4,60	4,60	5,60	5,60	8,60	10,60
(m²)	5,00	5,00	5,00	7,50	7,50	16,80	22,80
(kg)	8.500	9.000	11.000	12.500	14.000	32.000	39.000
(m)	1,10	1,10	1,10	1,10	1,10	1,74	1,74
(ch)	170	185	250	325	325	700	950
(l)	200	200	200	385	385	1.500	1.500
	12.5R20	12.5R20	---	405/70 R 24	---	---	---
(m)	---	---	2,90 x 0,35	---	2,90 x 0,35	3,90 x 0,50	---
	0 to 4.000 m/h						
(m³/h)	150 to 1.500	150 to 1.500	200 to 1.800	600 to 2.500	600 to 2.500	800 to 5.000	1.000 to 6.000

All Ménart machines conform to the CE rules and regulations and are delivered with CE Certificates and Operator's Manual, including spare parts information.

B*: with gathering arms (optional equipment)
D*: maximum height under tunnel
Note about the output figures given - those shown have actually been measured in the field and consequently are achievable in practice (contrary to the theoretical values from the simple calculation of windrow cross section X rate of maximum advance speed of the turner).



Please request our documentation on our other products - shredders, PTO turners, mobile and stationary screens, etc.



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Windrow Turners SPM & SPMC



10330 SPMC
The world's largest turner !



The Ménart SPM (wheeled) & SPMC (tracked) Windrow-Turners

The Best Equipped, to achieve extraordinary performances

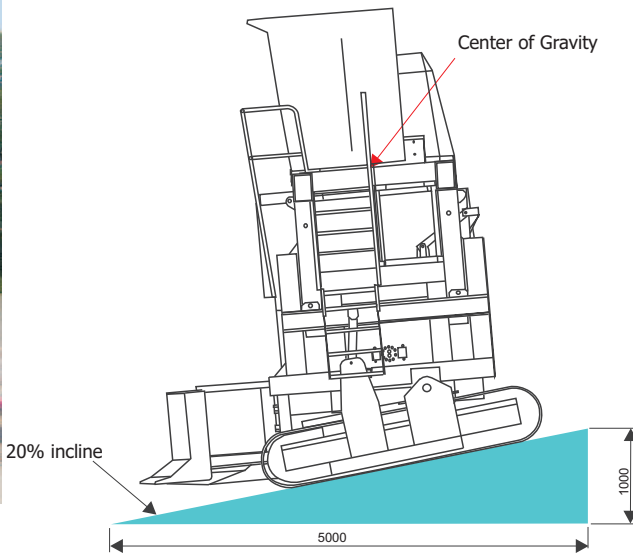
☑ **Ménart R&D innovations make their turners really different - with highest performance !**



all the Ménart windrow turners are provided with paddles rather than knives, in order to bring more oxygen into the turned material and thus to support the development of the bacteria. The design and placement of the paddles allows transversal mixing as the turner progresses.

- Unlimited hydraulic performances:**
- gives independent raising on the left and on the right to adapt to all types of ground and to keep a maximum adherence in all conditions.
 - allows inclining of the machine forwards and backwards to permit stable balanced movements on inclines for uneven sites and for safety.
 - allows wheel or track structures to oscillate, maintaining maximum power moving into the windrows in all

- circumstances.
- gives use of a rear hood with hydraulic positioning to avoid lengthening of the windrows at each windrow turning.
 - gives hydraulic transmission drive to the wheeled or tracked structures that is completely independent one side from the other for perfect control.
 - Allows powerful and adjustable drive to the rotor. The rotation mode of the rotor is adjustable and continuously adjustable using a simple electric control device in the cabin. At the end of the windrow the operator can reverse the rotor direction for a neat finishing of the windrow
 - The multiple hydraulic systems, adapted with a system of permanent rinsing, allows a total control of hydraulic oil temperatures, contributing to reliability and the long life of the machine.



Advantages of the engines:
Constant power engines on all the work speeds give a maximum of power and productivity. The very well known diesel engines enjoy a world wide reputation for quality, performance and service resources. The engines include numerous protection devices to keep the turners in an excellent operating condition.

Advantages of the concept:
The "section" of the tunnel is variable so that in case of encountering obstacles the entire machine as well as the rotor can be raised as much as 50 cms to eliminate the problem of blocking situations

Advantages of the rotor paddle:



☑ **Ménart Turners - FACTS !**

Flexibility - the SPM range (wheeled) for compost turning and the SPMC range (tracked) for soil turning are both available in several models.

The leader in Western Europe - for example, 60% of the French market Exporter world-wide only in a few years - America, Asia Middle-East, Africa, etc.

- The SPM & SPMC-range of turners can be equipped with options:**
- Fleece roller & unroller (simple or double equipment).
 - Spraying equipment with tank 600 L, electric pump and spraying nozzles.
 - Tube Ø75 mm for injection of large volumes of liquid.
 - Active gathering arms (instead of simple gathering arms).
 - Protective anti-wear reinforcements on the rotor (special paddles and plates on the Archimèdes screw) for turning of very abrasive matters.
 - Personalized painting.
 - Specific equipment.



☑ **A User Friendly Cabin !**

The cabin is very well equipped with wide easy access and has panoramic visibility through tinted windows. The "super-comfortable" seat has pneumatic



suspension and joystick controls at the end of the armrests. The ergonomic dashboard on the right of the seat has control dials with easy reading and easy to use controls. The cabin is air-conditioned and has pressurised ventilation as well as activated carbon filters to ensure air cleanliness. There is a stereo CD-radio and front and rear outside work lights, industrial screen wiper, etc. it is "state-of-the-art".

