

# Turtle2 Sales Presentation



HS350



DS350

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# Project background

The Turtle2 project has been developed to support Viper's desire to have a updated range of dual speed and high speed with an attractive design at competitive pricing.

To be launched end November 2014.



## Product Summary

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# Product Information

## What does it do best?



- Ergonomics. Adjustable handle for people of different height, low vibration level and soft start system.
- Simplicity. Package deal and ready to use, large rear wheels, hook for brush and pad holder make it easy to use.
- Safety. Safety lock out switch, waterproof socket for foam generator
- Great value for money. Powerful motor improve cleaning efficiency.

# Product information

## Definition of the letters and numbers used in model name

Item No.	Model Name	Definition
50000297	HS350-EU	HS=High speed, 350=350RPM, EU=EU version
50000298	HS350-UK	HS=High speed, 350=350RPM, UK=UK version
50000299	HS350-TR	HS=High speed, 350=350RPM, TR=Turkey version
50000300	HS350-CN	HS=High speed, 350=350RPM, CN=China version
50000301	DS350-EU	DS=Dual speed, 350=350RPM, EU=EU version
50000302	DS350-UK	DS=Dual speed, 350=350RPM, UK=UK version
50000303	DS350-TR	DS=Dual speed, 350=350RPM, TR=Turkey version
50000304	DS350-CN	DS=Dual speed, 350=350RPM, CN=China version

# Customers and Working Environment

- **DS350/HS350 series single disc is appropriate for**
  - **Hotels/restaurants**
  - **Shopping mall/exhibition center**
  - **Schools/government institutions**
  - **Other commercial environments.**
  
- **Turtle2 series single disc is ideal for cleaning most types of floors: tiled floor, marble and carpet etc**

# Technical Specifications DS350/HS350

Model	DS350	HS350
Rated power (W)	1500/1800	1800
Pad/Brush (rpm)	175/350	350
Voltage (V)	220-240V	
Frequency (Hz)	50Hz	
Brush/pad diameter	430mm	
Cleaning width	430mm	
Start at low voltage	187 V	
Tank capacity	10L	-
Cable length	10m	
Wheel diameter	127mm (5")	
Weight (Net/gross)	35.5 / 45.3 kg	39.5 / 52.7 kg
Package size	117x51x42 cm	
Protection grade	IPX4	



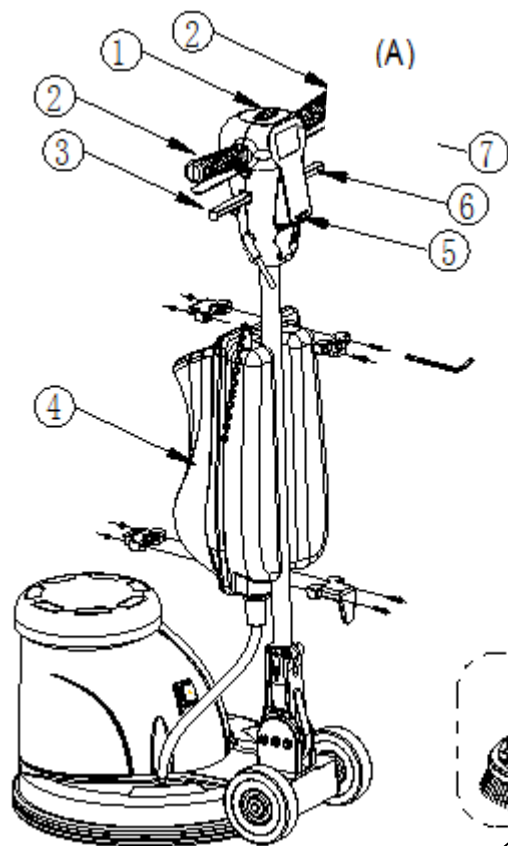
# Competitors Comparison- High speed

Photo						
Brand	Viper	Comac	CTM	TASKI	Columbus	Cleanfix
Model	HS350	CM4017	OB45400	Ergodisc 400	HS 434	PowerDisc HS
Working width (Ø cm)	43	43	43	43	43	44
Brush (Ø cm)	43	43	43	43	43	44
Brush speed rpm	350	400	380	400	400	410
Power (W)	1800	1350	1100	1100	1500	1200
Power supply (V/Hz)	220-240/50	230-240/50-60	230/50	230/50	230/50	230/50
Cable length (m)	10	N/A	15	15	12	12.5
Weight (kg)	39.5	40	32	35	33	30
Size (mm)	1170x510x420	N/A	N/A	N/A	1170x450 x 560	N/A
Drive	Belt driven	Belt driven	N/A	N/A	Belt driven	N/A

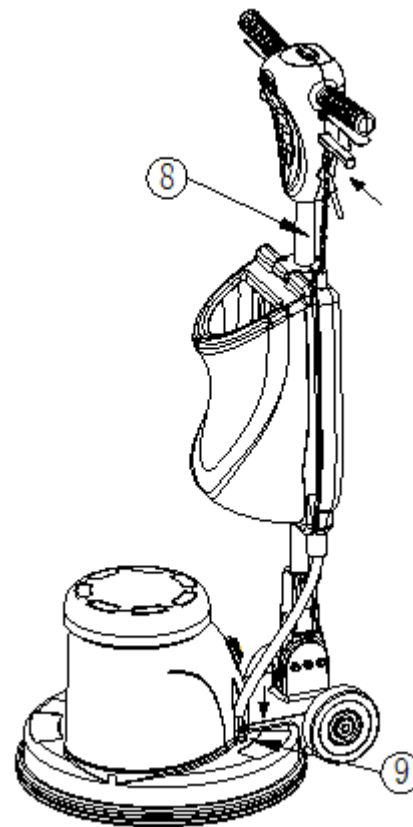
# Competitors Comparison- dual speed

Photo							
Brand	Viper	TASKI	COMAC	Ghibli	NSS	Gadlee	Columbus
Model	DS350	Ergodisc duo	CM17 DS	SB 143 TSN	Mustang DS 300	M-18DS	DUO SPEED
Working width (Ø cm)	43	43	43	43	43	43	40
Brush (Ø cm)	43	43	43	43	43	43	40
Brush speed rpm	175/350	165/330	165/330	154/308	180/300	180/320	150/300
Tank capacity (L)	10	N/A	15	N/A	N/A	10L	
Power (W)	1500/1800	1100/	1350/	1300/	1100/	1125/825	1300/1800
Power supply (V/Hz)	230/50	230/50	230-240/50-60	230/50	230V	230/50	230/50
Cable length (m)	10	15	N/A	15	23	12	12
Weight (kg)	35.5	48	40	44	39	48	48.5
Size (mm)	1170x510x420	N/A	N/A	120x542x430	N/A	N/A	415 x 550 x 1200
Drive	Belt driven	N/A	Belt driven	Gear drive	Gear driven	Gear driven	Gear driven

# Machine Structure



1. Safety switch
2. Handle grip
3. Accessory lever
4. Solution tank (only for DS350)
5. Accessory power plug
6. Handle release lever
7. Trigger
8. Handle tube
9. Solution fitting (Only for DS350)



Brush kit only for  
DS350  
P/N VF75404

Carpet brush kit for  
DS350 –Optional  
P/N VF75420

Pad holder kit for  
DS350 & HS350  
P/N VF75493

# Machine Structure

DF-100A-EU is optional accessory for DS350, item No. in SAP 50000055



Model	DF-100A-EU
Voltage	230V~
Frequency	50HZ
Power	150W
Current	1.0 A
IP Class	IP 44
Volume of solution tank	6 Liters
Sound pressure level at workstation	68dB(A)
Weight	6kg
Length of Power cord	1.0m

# Key features

## Ergonomic handle



**The machine is automatically locked off when the handle is in 90 degree vertical position**

# Key features

**Hook for brush and pad holder**



**- Waterproof cover**



**A waterproof cover is added to prevent from being electrocuted**

# Key features



- **Powerful motor:**  
**High speed- 1800W**  
**Dual speed: 1500/1800W**
- **127mm rear wheels facilitate transport**



# Customer benefits

Features	Benefits for the customer
Ergonomic handle	It can be adjusted to suit operators of different height
Safety lock-out switch	It can prevent a sudden start of the machine by accident.
Hook for brush / padholder	It provides a storage for brush and pad holder
Large rear wheels	It makes transport easy for the user to move the machine from one place to another
Powerful motor	It offers exceptional solution for multi-purpose cleaning, spray cleaning, polishing, grinding etc
Low vibration level	This makes users feel comfortable when operating the machine
Power supply socket for foam generator	It is water-proof and easy-to-use.
Package deal, ready to use	Tank, brush and pad holder are included for DS350, and pad holder is included for HS350