



Drain Cleaning

Chapter 3

DRAIN CLEANING

Sectional Drain Cleaning Machine

A150

Drive lever can be locked in stop position: very robust, and also serves as carrying handle for the machine

Direct connections of cables with diameters of 16, 22mm for working in pipes up to 150mm diameter

NEW

Powerful motor with 1HP(750W): Low-friction toothed belt and geared drive pinion, no slipping of the drive shaft

Clamping device: for secure lengthening/shortening of the cable

Die-cast aluminum frame:
Distortion-resistant and extremely light


For 3/4" to 6" (19mm-150mm) Drain Lines

- Particularly light, compact handy design, ideal for general purpose maintenance work on baths, wash basins, toilets, in kitchens, waste pipes, drains, and downpipes.
- Equipped with 1HP(750W) motor (Input 1100W)
- **Rated Voltage:** 110V/60HZ, 220V/50HZ
- **No-load Speed:** 460RPM
- **For Pipe:** Φ 19mm~ Φ 150mm
- **Max working length:**
50 meters with 16mm dia. Cable
60 meters with 22mm dia.Cable



DRAIN CLEANING





Φ 16mm combination set

 <p>Φ 16mm combination set</p>	30112017		5pcs*Φ 16mm *2.3m cables Cable holder
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Φ 22mm combination set

 <p>Φ 22mm combination set</p>	30112019		5pcs*Φ 22mm *4.5m cables Cable holder
	30112020		3pcs*Φ 22mm *4.5m cables Cable holder


Φ 16mm augers/cutters set

 <p>Straight Auger</p>	 <p>Bulb Auger</p>	 <p>Cross-blade cutter, serrated</p>	 <p>Grease Cutter</p>
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Φ 22mm augers/cutter set

 <p>Straight Auger</p>	 <p>Bulb Auger</p>	 <p>Funnel auger</p>	 <p>Spade head cutter</p>
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Accessories

 <p>Tool case</p>	 <p>Φ 4 key</p>	 <p>Φ 5 key</p>	 <p>Protection gloves</p>
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Ordering Information

Catalog No.	Model No.	Description	Standard Equipment	
401503	A150	110V/60Hz	Φ 16mm cable*5pcs*2.3meter Φ 16mm cutter*4pcs	Φ 22mm cable*5pcs*4.5meter Φ 22mm cutter*4pcs
401504	A150	220V/50Hz	Φ 16mm cable*5pcs*2.3meter Φ 16mm cutter*4pcs	Φ 22mm cable*5pcs*4.5meter Φ 22mm cutter*4pcs
401505	A150	110V/60Hz	Φ 16mm cable*5pcs*2.3meter Φ 16mm cutter*4pcs	Φ 22mm cable*3pcs*4.5meter Φ 22mm cutter*4pcs
401506	A150	220V/50Hz	Φ 16mm cable*5pcs*2.3meter Φ 16mm cutter*4pcs	Φ 22mm cable*3pcs*4.5meter Φ 22mm cutter*4pcs

DRAIN CLEANING

Sectional Drain Cleaner

Unique, easy-to-use, instant-acting cable clutch maximizes operator control:
Pull handle down and cable spins at 400RPM
Release handle, cable stops instantly

A75

Compact, versatile, professional machine.
Capable of running two different size cables: 8mm, and 16mm.



NEW



Equipped with steel plate electric motor for low vibration

For 3/4" to 4" (19mm-100mm) Drain Lines





- High precision cable and drill couplings by wire-electrode cutting processing
- High performance cables are specially hardened and tempered. And maximum spring tension with high elasticity and flexibility, abrasion-resistant, low wear
- The perfect, all-round sink, shower and floor drain machine.
- Unique, easy-to-use, instant-acting cable clutch maximizes operator control:
Pull handle down and cable spins at 400RPM
Release handle, cable stops instantly
- Equipped with 300W(output) motor; Rated Voltage: 110V/60HZ, 220V/50HZ
- No-load Speed: 400RPM
- For Pipe: Φ 19mm~ Φ 100mm
- Maximum working length: 30 meters with 16mm dia. Cable







Φ 16mm combination set

	Φ 16mm combination set	30112017		5pcs*Φ 16mm *2.3m cables Cable holder
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Φ 16mm augers/cutters set

	Straight Auger		Bulb Auger		Cross-blade cutter, serrated		Grease Cutter
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Accessories


	Accessory barrel		Φ8mm*7.5m adapter		Φ4 key		Protection gloves
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Ordering Information









Catalog No.	Model No.	Description	Standard Equipment
401501	A75	110V/60Hz	Φ 16mm cable*5pcs*2.3meter Φ 16mm cutter*4pcs Φ8mm*7.5m adapter
401502	A75	220V/50Hz	



Φ 16mm combination set

	Φ 16mm combination set	30112021		8pcs*Φ 16mm *2.3m cables Cable holder
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Φ 16mm augers/cutters set

	Straight Auger		Bulb Auger		Cross-blade cutter, serrated		Grease Cutter
	Drop head cutter		Retrieving auger		Funnel auger		Sharktooth cutter

Accessories

	Accessory barrel		Φ8mm*7.5m adapter		Φ4 key		Protection gloves
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Ordering Information

Catalog No.	Model No.	Description	Standard Equipment
401507	A75	110V/60Hz	Φ 16mm cable*8pcs*2.3meter Φ 16mm cutter*8pcs Φ8mm*7.5m adapter
401508	A75	220V/50Hz	



DRAIN CLEANING

Sectional Drain Cleaning Machine

A200

Drive lever can be locked in stop position: very robust, and also serves as carrying handle for the machine

Direct connections of cables with diameters of 32 mm for working in pipes up to 200mm diameter

NEW

Clamping device: for secure lengthening/shortening of the cable

Die-cast aluminum frame: Distortion-resistant and extremely light

Powerful motor with 1400W input Power: Low-friction toothed belt and toothed drive pinion, no slipping of drive shaft



Transport wheels for easy and convenient transportation.

For 2" to 8" (50mm-200mm) Drain Lines






- Particularly light, compact handy design, ideal for general purpose maintenance work on baths, wash basins, toilets, in kitchens, waste pipes, drains, and downpipes
- Transport wheels for easy and convenient transportation
- Equipped with 1400W input Power, 900W output Power motor; Rated Voltage: 110V/60HZ, 220V/50HZ
- No-load Speed: 460RPM
- For Pipe: Φ 50mm~ Φ 200mm
- Maximum working length:
- 80 meters with 32mm dia. Cable
- 70 meters with 22mm dia. Cable(optional)



Φ 32mm combination set

		22.5 meters(5pcs*4.5m) Cable holder
Φ 32mm combination set		

32mm cutters set

				
Straight Auger	Funnel Auger	Retrieving auger	Spiral sawtooth cutter	Spade head cutter

Accessories

		
Accessory barrel	Φ 5 key	Protection gloves

Ordering Information

Catalog No.	Model No.	Description	Standard Equipment
401522	A200	110V/60Hz	Φ 32mm cable*5pcs*4.5meter Φ 32mm cutter*5pcs
401523	A200	220V/50Hz	

Drain Cleaning Cables & Cutters

Drain Cleaning Cables & Cutters

- With Safety coupling, suitable for HONGLI Drain Cleaning Machine A75, A150, A200.

Performance Features

- Specially hardened and tempered: Maximum spring tension with high elasticity and flexibility, abrasion-resistant, low wear.
- Closely wound: For high performance transmission, and to prevent entanglement during transport.
- 16mm,22mm,32mm cables are wound left-handed: increasing cable stiffness when machine turns clockwise, and depends on the resistance of the obstruction.
- Both cable ends are fitted with generously dimensioned connection windings: for professional exchange of couplings.

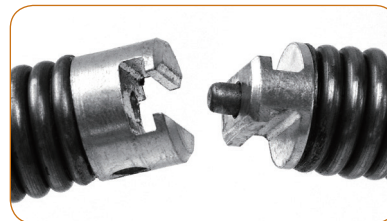
Φ16



Φ22



Φ32



- for forking up or drilling through obstructions caused by textiles, paper, cellulose materials, kitchen refuse, etc.

Straight auger

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105009	16-5/8"	16	40-75mm	A75,A150
30105013	22-7/8"	22	75-100mm	A150
30105021	32-1 1/4"	32	100-250m	A200



- Specially designed for small pipes, and drains with multi bends cause by textile & paper obstructions.

Bulb auger

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105010	16-5/8"	28	40-75mm	A75,A150
30105014	22-7/8"	40	75-100mm	A150



- Powerful combination tool for grinding up and removing solidified obstructions, For coarse removal of incrustations, Used for textile or sludge obstructions.

Cross-blade cutter, serrated

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105012	16-5/8"	25	50-75mm	A75,A150
30105029	22-7/8"	45	100-125mm	A150

DRAIN CLEANING



Grease Cutter

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105011	16-5/8"	25	40-75mm	A75,A150
30105027	22-7/8"		60-100mm	A75,A150

- For removing grease and other soft deposits .e.g. soap accumulations.



Drop- head Auger

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105017	16-5/8"	24	50-75mm	A75,A150
30105026	22-7/8"		60-100mm	A75,A150

- Ideal for particularly tight pipe bends,branches,and small-diameter drain downpipes.



Retrieving Auger

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105018	16-5/8"	35	50-75mm	A75,A150
30105022	32-1 1/4"	65	75-250mm	A200

- Specially designed tool with a claw for retrieving textiles, tools, cables, etc.



Funnel Auger

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105019	16-5/8"	32	50-100mm	A75,A150
30105015	22-7/8"	55	110-150mm	A150
30105023	32-1 1/4"	60	100-250mm	A200

- Large grab capacity can also be used to retrieve cables from drains, For removing or opening up to obstructions caused by textiles or paper.



Sharktooth Cutter

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105020	16-5/8"	30	50-75mm	A75,A150

- For cutting through grease deposits, and cutting up rags, etc.



Spade Head Cutter

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105016	22-7/8"	65	100-150mm	A150
30105024	32-1 1/4"		100-150mm	A200

- Curved special tool for slit and sludge deposits.



Spiral Sawtooth Cutter

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105025	32-1 1/4"	65	75-100mm	A200

- Special tool for chopping up small roots,branches,and other materials.

Hand Drain Cleaner

HL-38S



Ideal for users to remove pipe blockages in complex small diameter pipes.

Product Description

- Applicable for household small pipes of $\Phi 50\text{mm}$ (2") drain lines
- $\Phi 6\text{mm} \times 3\text{m}$ or $\Phi 6\text{mm} \times 4.5\text{m}$ or $\Phi 6\text{mm} \times 6\text{m}$ cable with bulb head auger
- Flexible cables are put in ABS plastic drum, light and handy
- Simple in structure, easy to handle

Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2031010	HL-38S-1	Tool with $\Phi 6\text{mm} \times 3\text{m}$ cable	1.3
2031011	HL-38S-2	Tool with $\Phi 6\text{mm} \times 4.5\text{m}$ cable	1.6
2031012	HL-38S-3	Tool with $\Phi 6\text{mm} \times 6\text{m}$ cable	1.9

HL-50S



The professional's choice for many years, the hand drain cleaner offers premium quality. It's the ideal tool for the user who demands the best.

Product Description

- Applicable for household small pipes of $\Phi 20-75\text{mm}$ (3/4"-3") drain lines
- $\Phi 8\text{mm} \times 4.5\text{m}$ or $\Phi 8\text{mm} \times 6\text{m}$ and $\Phi 10\text{mm} \times 4.5\text{m}$ or $\Phi 10\text{mm} \times 6\text{m}$ cable with bulb head auger
- Well balanced for comfortable operation

Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2031013	HL-50S-1	Tool with $\Phi 8\text{mm} \times 4.5\text{m}$ cable	2.6
2031014	HL-50S-2	Tool with $\Phi 8\text{mm} \times 6\text{m}$ cable	3.5
2031015	HL-50S-3	Tool with $\Phi 10\text{mm} \times 4.5\text{m}$ cable	4.0
2031016	HL-50S-4	Tool with $\Phi 10\text{mm} \times 6\text{m}$ cable	4.5

D-3/D-6



Product Description

- Ideal for quick and safe removal of obstructions in the toilet
- Specially designed to traverse tough traps
- Vinyl guard protects damage to toilet

Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2012010	D-3	$\Phi 12.7\text{mm} \times 0.9\text{m}$	1.7
2012110	D-6	$\Phi 12.7\text{mm} \times 1.8\text{m}$	2.2

Pneumatic Drain Cleaner

GQ-4



Air powered super plunger quickly and cleanly removes blockages from 3/4" - 4" Pipes and Drains.

Product Description

- Quickly clear blockages in sinks, drains, and showers in the bathroom, kitchen, garage, and shop
- Easy and safe operation: no electricity = no electrical shock
- Create a shock wave that strikes a clog at 0.7Mpa
- Rubber plugs both directions fit for different diameter and shapes.
- Using air release extension pipes will accommodate complex working environment
- Including main machine, air release extension pipe, adapter, connector

Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2012310	GQ-4	Complete set	3.8

D-10A



Product Description

- Environmentally compatible cleaning tool: safe and simple application, chemical-free
- Numerous application areas, such as wash basins, bathtubs, toilets, showers, and floor drains
- Precise-fitting, high-quality rubber adapter: long service life and complete sealing of drain openings
- Force pump cleaner uses the air pump principle with water pressure: clear obstructions in drains of basins, showers, bathtubs, etc.
- Including main machine, three adapters

Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2021011	D-10A	Complete set	2.2

Power Drain Cleaner

D-62A



For 3/4" to 2 1/2" (19mm-64mm) Drain lines

- Using $\Phi 8\text{mm}$ and $\Phi 10\text{mm}$ enhanced cable, improving torque transmission, against twisting and winding.
- Entirely sealed structure, flexible cables are put in ABS drum, to ensure clean and convenient use
- Motor power 705W with 0-600RPM adjustable speed
- Auto-feed device

D-62B



For 3/4" to 2 1/2" (19mm-64mm) Drain lines

- Using $\Phi 8\text{mm}$ and $\Phi 10\text{mm}$ enhanced cable, improving torque transmission, against twisting and winding.
- Entirely sealed structure, flexible cables are put in ABS drum, to ensure clean and convenient use
- Motor power 705W with 0-550RPM adjustable speed
- Auto-feed device feed
- 14.4V, low speed high power charged drill
- Includes two pcs 1.3Ah capacious Ni-Cd battery, a charger

Ordering Information

Catalog No.	Model No.	Description	N.W(kg)
2021410	D-62A-1	Complete set (Tool with $\Phi 8\text{mm} \times 10.7\text{m}$ cable), 110V/60Hz	10.2
2021411	D-62A-1	Complete set (Tool with $\Phi 8\text{mm} \times 10.7\text{m}$ cable), 220V/50HZ	10.2
2021510	D-62A-2	Complete set (Tool with $\Phi 10\text{mm} \times 7.6\text{m}$ cable), 110V/60Hz	10.7
2021511	D-62A-2	Complete set (Tool with $\Phi 10\text{mm} \times 7.6\text{m}$ cable), 220V/60Hz	10.7
2021610	D-62B-1	Complete set (Tool with $\Phi 8\text{mm} \times 10.7\text{m}$ cable, 14.4V battery $\times 2$), 110V/60HZ	11.6
2021611	D-62B-1	Complete set (Tool with $\Phi 8\text{mm} \times 10.7\text{m}$ cable, 14.4V battery $\times 2$), 220V/50Hz	11.6
2021710	D-62B-2	Complete set (Tool with $\Phi 10\text{mm} \times 7.6\text{m}$ cable, 14.4V battery $\times 2$), 110V/60 Hz	11.6
2021711	D-62B-2	Complete set (Tool with $\Phi 10\text{mm} \times 7.6\text{m}$ cable, 14.4V battery $\times 2$), 220V/50 Hz	11.6

DRAIN CLEANING

Sectional Drain Cleaner

GQ-75

For 3/4" to 4" (19mm-100mm) Drain Lines.


- Compact, versatile, professional machine. Capable of running three different size cables: 8mm, 15mm, and 16mm. The perfect, all-round sink, shower and floor drain machine.
- Unique, easy-to-use, instant-acting cable clutch maximizes operator control:
- Pull handle down and cable spins at 400RPM.
- Release handle, cable stops instantly.
- Equipped with 250W motor, 110V, 220V models.
- Includes HONGLI drain cleaning machine mitt and operator's manual.
- Approved by CE.

Specifications









- Main machine
- Φ 16mm cable combination
- Φ 16mm drills (8 pieces)
- Φ 4mm key
- Φ 8mm \times 5m cable combination
- Protection gloves
- Accessory barrel



Φ 16mm combination set

 Φ 16mm cable combination	consists of	1pc Φ 15mm \times 2.3m flexible cable
		7pcs Φ 16mm \times 2.3m flexible cable
		Φ 430mm cable holder

Φ 16mm drills (8 pieces) 2021928

 Straight Auger	 Bulb Auger	 Flexible Bulb Auger	 Retrieving Auger
 4-Blade Cutter	 Grease Cutter	 Sawtooth cutter	 C-Cutter

Accessories

 Φ 8mm \times 5m soft shaft combination	 Φ 4mm key	 Protection Gloves	 Accessory Barrel
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Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2041010	GQ-75	Drain clener, 110V/60Hz	30
2041011	GQ-75	Drain clener, 220V/50Hz	30

Sectional Drain Cleaning Machine

D150

For 3/4" to 6" (19mm-150mm) Drain Lines.


- Driver lever can be locked in stop position; very robust, and also serves as carrying handle for the machine.
- Clamping device for secure extending/retrieving of the cable.
- Die-cast aluminum frame, distortion-resistant and extremely light.
- Unique, easy-to-use, instant-acting cable clutch maximizes operator control:
- Pull handle down and cable spins at 400RPM.
- Release handle, cable stops instantly.
- Equipped with 370W motor, 110V, 220V models.
- Includes HONGLI drain cleaning machine mitt and operator's manual.
- Approved by CE.

Specifications


- Main machine
- Φ 16mm cable combination
- Φ 22mm cable combination
- Φ 16mm drills (4 pieces)
- Φ 22mm drills (4pieces)
- Φ 4mm key & Φ 5.5mm key
- Φ 8mm \times 5m cable combination
- Protection gloves
- Accessory barrel



Φ 16mm combination set

 Φ 16mm cable combination	consists of	1pc Φ 15mm \times 2.3m flexible cable
		7pcs Φ 16mm \times 2.3m flexible cable
		Φ 430mm cable holder





Φ 22mm combination set

 Φ 22mm cable combination	consists of	3pcs Φ 22mm \times 4.6m Cable
		Φ 430mm cable holder


Φ 16mm drills (4 pieces) 2022028

 Straight Auger	 Flexible Bulb Auger	 Retrieving Auger	 4-Blade Cutter
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Φ 22mm drills (4 pieces) 2022029

 Straight Auger	 Flexible Auger	 4-Blade Cutter	 Grease Cutter
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Accessories

 Φ 8mm \times 5m soft shaft combination	 Φ 4mm key Φ 5mm key	 Protection Gloves	 Accessory Barrel
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Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2041310	D150	Drain cleaner, 110V/60Hz	48
2041311	D150	Drain cleaner, 220V/50Hz	48

Sectional Drain Cleaning Machine




D200

For 2" to 8" (50mm-200mm) Drain and Sewer Lines.

- The finest all-around and drain cleaning machine. One man can easily clean the heaviest blockages-indoors or out. High-speed cleaning gets the job done faster and better.
- Unique, easy-to-use, instant-acting cable clutch maximizes operator control:
- Pull handle down and cable spins at 700 RPM; Release handle, cable stops instantly.
- Low-profile "B-frame" design will fit most crawl spaces, loads and unloads from trunk easily. Upright "A-frame" features cable carrier storage during transport, ideal for in-house application.
- Equipped with 750W motor,110V, 220V models
- Approved by CE standard

Φ 30mm combination set

 Φ 30mm cable combination	consists of	4pcs Φ30mm×4.6m Flexible Cable
		Φ 500mm Cable Holder



D200-A

Φ 30mm drills (6 pieces) 2022222

					
Straight Auger	Funnel Auger	Retrieving Auger	Grease Cutter	Sawtooth Cutter	C-Cutter

Accessories

		
Φ 5.5mm key	Protection Gloves	Protection Tube

Specifications

- Main machine
- Φ30mm cable combination
- Φ30mm drills (6 pieces)
- Φ5.5mm key
- Protection gloves
- Protection tube

Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2041410	D200	Drain cleaner, 110V/60Hz	95
2041411	D200	Drain cleaner, 220V/50Hz	95
2041510	D200-A	Drain cleaner, 110V/60Hz	75
2041511	D200-A	Drain cleaner, 220V/50Hz	75

Sectional Drain Cleaning Machine




D200-1

For 2" to 8" (50mm-200mm) Drain and Sewer Lines.

- The finest all-around and drain cleaning machine. One man can easily clean the heaviest blockages-indoors or out. High-speed cleaning gets the job done faster and better.
- Unique, easy-to-use, instant-acting cable clutch maximizes operator control:
- Pull handle down and cable spins at 700 RPM; Release handle, cable stops instantly.
- Low-profile "B-frame" design will fit most crawl spaces, loads and unloads from trunk easily. Upright "A-frame" features cable carrier storage during transport, ideal for in-house application.
- Equipped with 750W motor, 110V, 220V models
- Approved by CE standard

Φ 30mm combination set

 Φ30mm cable combination	consists of	4pcs Φ30mm×4.6m Flexible Cable
		Φ500mm Cable Holder



D200-1A

Φ 30mm drills (6 pieces) 2022222

					
Straight Auger	Funnel Auger	Retrieving Auger	Grease Cutter	Sawtooth Cutter	C-Cutter

Accessories

		
Φ5.5mm key	Protection Gloves	Protection Tube

Specifications

- Main machine
- Φ30mm cable combination
- Φ30mm drills (6 pieces)
- Φ5.5mm key
- Protection gloves
- Protection tube

Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2041610	D200-1	Drain cleaner, 110V/60Hz	95
2041611	D200-1	Drain cleaner, 220V/50Hz	95
2041710	D200-1A	Drain cleaner, 110V/60Hz	75
2041711	D200-1A	Drain cleaner, 220V/50Hz	75

Drum Type Drain Cleaning Machine

D300F



For 1 1/4" - 4" (32-100mm) Drain Lines

- The D300F makes quick work for cleaning drains from 1 1/4"-4". A variety of cutting tools with quick connect couplers make it easy to match the right tool for the right job. Ideal for cleaning non-root blockages in floor and gutter drains, interior laterals and vent pipes. Remove grease, debris and lint.
- The D330/D360 is a self-contained drain cleaner ideal for lateral drain lines from 1 1/4"-4". Easy-to-transport, narrow design for small entry ways and minimal setup make this machine ideal for tough mainline work.
- Clear access to drum, allows immediate view of cable for inspection plus easier and faster cleaning of drum and cable.
- Patented cable control system shows the drum, should cable or blade become completely lodged in blockage, main lines, storm drains, septic lines, building drains.

Specifications

- Motor 250W, 110V/ 220V, 50Hz/60Hz
- 300RPM
- Air activated foot switch
- Auto-feed device
- Lean, well-balanced design for easy one-man transport and operation
- $\Phi 12.7\text{mm} \times 15\text{m}$ Solid Core cable $\Phi 16\text{mm}$ drills $\times 4\text{pcs}$ (Hexagon C-Cutter Bulb Cutter Side Cutter Blades)

D300ZF



Ordering Information

Catalog No.	Model No.	Description	N.W (kg)
2051110	D300F	Drain cleaner, 110V/60Hz	35
2051111		Drain cleaner, 220V/50Hz	35
2051310	D330ZF	Drain cleaner, 110V/60Hz	47
2051311		Drain cleaner, 220V/50Hz	47
2051410	D330ZK	Drain cleaner, 110V/60Hz	47
2051411		Drain cleaner, 220V/50Hz	47

Note: Drum capacity: $\Phi 12.7\text{mm} \times 15\text{m}$ / ($\Phi 10\text{mm} \times 23\text{m}$ inner core cable optional).

D300ZK



Pipe Inspection Camera

916CDJKN-50PT

Specifications

- $\varnothing 50 \times 160$ MM, pan tilt camera head, View angle: 90°
- 1/3 CCD, 960 TVLine resolution
- 9 inch LCD screen. Resolution 800*480
- Video/ Audio/Text recording
- Digital meter counter
- Digital zoom function, 10 level
- 60m/120m cable length; $\varnothing 9$ mm fiberglass
- DVR with SD card / USB port, max 256G storage
- Built-in with 4400MAH Li-ion Battery, unit worktime more than 7 hours



Camera

- size: $\varnothing 50 \times 160$ MM
- Sensor size: 1/3 CCD
- View angle: 90°
- Camerelight: 6 PCS Highlight LEDS
- Tvline: 960TVL
- Camera power supply: DC 12V, 250MA
- Leds adjustable
- Camera glass material: sapphire glass
- Camera shell material: aluminium alloy
- Waterproof: IP68
- Rotatable: horizontal 360° vertical 180°

Control Handle

- 360 degree camera head rotation controls
- Focus changes (it is used for manual focus camerahead)
- LED brightness adjusts

SD card

- Size: $24(L) \times 32(W) \times 2.1(H)$ mm
- Speed class: 4
- Capacity: 8GByte (SDHC)

Cable Wheel

- size: 768(L) * 369(W) * 820(H)
- Wire material: fiberglass rod
- Fiberglass length: 60m-120m
- Fiberglass diameter: $\varnothing 9$ mm / 9 cores
- Counter function, 0. 1m counter accuracy
- Metric and imperial conversion
- Counter-reset
- Cable color: red/ yellow

Li-ion Battery

- capacity: 4400MAH, 12.6V, 14W
- Charge time: 5 hours
- Protective voltage: 9.3V
- Work time: more than 420 minutes

Card reader

- Size: $80(L) \times 120(W)$ mm
- Support SD2.0 (HS-SD), 4.0(8bit) card MMC;
- With indicator light display;
- Support hot plug, plug and play.

Battery

- Power supply: 12V
- Work current: 150MA
- Battery level display
- Keyboard text input
- Language: English

Charger

- Input: AC100-240V-50/60Hz
- Output: DC 12.6V/1000MA
- DC plug diameter: 0.1mm

Skids

- Size: $\varnothing 110$ & 150 & 220mm

Monitor

- size: 9inch TFT color monitor
- Monitor Total Pixels: 800x480
- Language: English
- 16:9/4:3 model, Manual touch

Suitcase

- Size: $1511 \times 430 \times 200$ mm
- Engineering plastics, Water proof

Keyboard

- size: $220 \times 118 \times 19.2$ mm
- Language: English
- Text edit line: PAL 27letter 12 line
NTSC 27letter 9 line
- Max edit page: 4 pages



Camera



Cable Wheel



Battery



Monitor



Control Handle



Li-ion Battery



Charger



Skids



Keyboard



Card reader



SD card



Suitcase

DRAIN CLEANING

Pipe Inspection Camera

914CDJKN-C40

Specifications

- $\varnothing 40\text{mm} \times 86\text{mm}$ self-levelling camera head, View angle: 105°
- 1/4 inch sensor size, 720*576 resolution
- 9 inch LCD screen. Resolution 800*480
- Video/ Audio/Photo
- Digital zoom function, 10 level
- 60m-80m cable length; $\varnothing 7\text{mm}$ fiberglass
- DVR with SD card or card reader, max 256G storage
- 4400MAH Li-ion Battery, unit work time more than 7hours



Camera

- Camera size: $\varnothing 40\text{mm} \times 86\text{mm}$
- Sensor size: 1/4 inch
- View angle: 105°
- Cameralight: 42 PCS Highlight LEDS
- Resolution: PAL:720*576 NTSC:720*480
- Camera power supply: DC 12V, 100MA
- Leds adjustable
- Camera glass material: sapphire glass
- Camera shell material: aluminum alloy
- Waterproof: IP68

Keyboard

- size: 220*118*19.2mm
- Language: English
- Text edit line: PAL 27letter 12 line
NTSC 27letter 9 line
- Max edit page: 4 pages

Skids

- Size: $\varnothing 100$ & 140 & 220mm

Handheld Screen

- Cable size: 460(L) * 270mm(W)*560Hmm
- Wire material: fiberglass rod
- Fiberglass length: 60m-80m, $\varnothing 7\text{mm}$
- Power: 12V, 150MA
- Storage medium: SD card(max 256G)
- DVR Total Pixels:720X576 (D1)
- Picture snap and movie record
- Zoom function (X10)
- Movie format:MP4
- Microphone Audio record/ Stereo earphone output
- Battery level display
- Language: English

Charger

- Input: AC100-240V-50/60Hz
- Output: DC 12.6V/1000MA
- DC plug diameter: 2.1mm

SD card

- Size:24(L)*32(W)*2.1(H)mm
- Speed class:4
- Capacity:8GByte (SDHC)

Screen

- Screen size: 9inch TFT color monitor
- Screen Total Pixels: 800x480
- Language: English
- 16:9/4:3 model
- Manual touch

Li-ion Battery

- 4400MAH, 12.6V, 14W
- Charge time:5 hours
- Protection voltage: 9.3V
- Work time: more than 420 minutes

Card reader

- Size:80(L)*120mm(W)
- Support SD2.0 (HS-SD), 4.0(8bit) card MMC;
- With indicator light display;
- Support hot plug,plug and play.

Microphone

- Frequency response:20-20KHz
- Sensitivity:-47DB \pm 2DB
- Output impedance: $\leq 2.2\text{K}\Omega$
- Line Length:1m



Camera



Handheld Screen



Screen



Keyboard



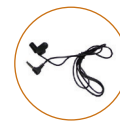
Charger



Li-ion Battery



Skids



Microphone



Card reader



SD card

Pipe Inspection Camera

715DJ-C23

Specifications

- \varnothing 23mm*120mm waterproof camera head, View angle: 105°
- 1/4 inch sensor size, 720*576 resolution
- 7 inch LCD screen. Resolution 800*480
- Video/ Audio/Photo
- Digital zoom function, 10 level
- 20m-50m cable length; \varnothing 5mm fiberglass
- DVR with SD card, max 256G storage
- Built-in with 4400MAH Li-ion Battery, unit worktime more than 7 hours
- Control box
- Aluminum case



Camera

- Camera size: \varnothing 23mm*120mm
- Sensor size: 1/4 inch
- View angle: 105°
- Cameralight: 12 PCS Highlight LEDS
- Resolution: PAL:720*576 NTSC:720*480
- Camera power supply: DC 12V, 100MA
- Camera light: 12PCS white LEDS
- Leds adjustable
- Camera glass material: sapphire glass
- Camera shell material: stainless steel
- Waterproof: IP68

Monitor

- Monitor size: 7inch TFT color monitor
- Monitor Total Pixels: 800x480
- Monitor power supply: DC 12V
- Language: English
- 16:9/4:3 model
- Digital clock and digital calendar on monitor
- Sunshade include

Handheld Screen

- Cable size: 330(L) * 110mm(H)
- Wire material: fiberglass rod
- Fiberglass length: 20-50m
- Fiberglass diameter: \varnothing 5mm / 6 cores

Li-ion Battery

- Battery capacity: 4400MAH, 12.6V, 14W
- Charge time:5 hours
- Protectiev voltage: 9.5V
- Work time: more than 420 minutes

Microphone

- Frequency respose:20-20KHz
- Sensitivity:-47DB \pm 2DB
- Output impedance: \leq 2.2K Ω
- Line Length:1m

SD card

- Size:24(L)*32(W)*2.1(H)mm
- Speed class:4
- Capcity:8GByte (SDHC)

Control Box

- Power supply: 12V, 150MA
- Storage medium: SD card(max 256G)
- DVR Total Pixels:720X576 (D1)
- Picture snap and movie record
- Zoom function (X10)
- Movie format:MP4
- Microphone Audio record/ Stereo earphone output
- Battery level display10. Language: English

Charger

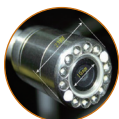
- Input: AC100-240V~50/60Hz
- Output: DC 12.6V/1000MA
- DC plug diameter: 2.1mm

Skids

- Size: \varnothing 40 & 80mm

Suitcase

- Size: L477*W390*H180mm
- Engineering plastics, Water proof



Camera



Handheld Screen



Control Box



Monitor



Li-ion Battery



Charger



Skids



Microphone



SD card



Suitcase

DRAIN CLEANING

Pipe Inspection Camera

710DN-SCJ-C23

Specifications

- $\varnothing 23\text{mm} \times 120\text{mm}$ waterproof camera head, View angle: 105°
- 1/4 inch sensor size, 720*576 resolution
- 7 inch handheld LCD screen. Resolution 800*480
- Video/ Audio/Photo
- Digital zoom function, 10 level
- 20m-35m cable length; $\varnothing 5\text{mm}$ fiberglass
- DVR with SD card, max 256G storage
- 4400MAH Li-ion Battery, unit work time more than 7 hours
- Waterproof engineer case



Camera

- Camera size: $\varnothing 23\text{mm} \times 120\text{mm}$
- Sensor size: 1/4 inch
- View angle: 105°
- Cameralight: 12 PCS Highlight LEDS
- Resolution: PAL:720*576 NTSC:720*480
- Camera power supply: DC 12V, 100MA
- Camera light: 12PCS white LEDS
- Leds adjustable
- Camera glass material: sapphire glass
- Camera shell material: stainless steel
- Waterproof: IP68

Skids

- Size: $\varnothing 40 \times 80\text{mm}$

Suitcase

- Size: L511*W430*H200mm
- Engineering plastics, Water proof

Handheld Screen

- Cable size: 330(L) * 132mm(H)
- Wire material: fiberglass rod
- Fiberglass length: 20-35m
- Fiberglass diameter: $\varnothing 5\text{mm}$ / 4cores
- Power supply: 12V, 150MA
- Storage medium: SD card(max 256G)
- DVR Total Pixels:720X576 (D1)
- Picture snap and movie record
- Zoom function (X10)
- Movie format:MP4
- Microphone Audio record/ Stereo earphone-output
- Battery level display
- Language: English
- Battery capacity: 4400MAH
- Charge time:5 hours
- Work time: more than 420 minutes

Charger

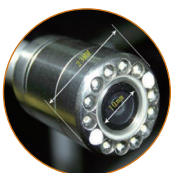
- Input: AC100-240V-50/60Hz
- Output: DC 12.6V/1000MA
- DC plug diameter: 2.1mm

SD card

- Size:24(L)*32(W)*2.1(H)mm
- Speed class:4
- Capacity:8GByte (SDHC)

Microphone

- Frequency respose:20-20KHz
- Sensitivity:-47DB \pm 2DB
- Output impedance: $\leq 2.2\text{K}\Omega$
- Line Length:1m



Camera



Handheld Screen



Charger



Skids



Microphone



SD card



Suitcase