

DishaaTM

DRAIN CLEANING

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Sectional Drain Cleaning Machine

A150

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

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

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

 Φ 16mm combination set	30112017		5pcs* Φ 16mm *2.3m cables Cable holder
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Φ 22mm combination set

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



Φ 16mm augers/cutters set

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

 Straight Auger	 Bulb Auger	 Funnel auger	 Spade head cutter
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Accessories

 Tool case	 Φ4 key	 Φ5 key	 Protection gloves
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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



A75

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



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



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



DRAIN CLEANING

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	 Φ 4 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 Φ 8mm*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	 Φ 4 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 Φ 8mm*7.5m adapter
401508	A75	220V/50Hz	



DRAIN CLEANING

A200



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: $\Phi 50\text{mm} \sim \Phi 200\text{mm}$
- Maximum working length:
- 80 meters with 32mm dia. Cable
- 70 meters with 22mm dia. Cable (optional)

$\Phi 32\text{mm}$ combination set

		22.5 meters (5pcs*4.5m) Cable holder
$\Phi 32\text{mm}$ combination set		

32mm cutters set

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

Accessories

		
Accessory barrel	$\Phi 5$ key	Protection gloves

Ordering Information

Catalog No.	Model No.	Description	Standard Equipment
401522	A200	110V/60Hz	$\Phi 32\text{mm}$ cable*5pcs*4.5meter $\Phi 32\text{mm}$ 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	19-100mm	A75,A150
30105013	22-7/8"	22	19-150mm	A150
30105021	32-1 1/4"	32	50-200m	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	19-100mm	A75,A150
30105014	22-7/8"	40	19-150mm	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	19-100mm	A75,A150
30105029	22-7/8"	45	19-150mm	A150

DRAIN CLEANING



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

Grease Cutter

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105011	16-5/8"	25	19-100mm	A75,A150
30105027	22-7/8"		19-150mm	A75,A150



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

Drop- head Auger

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105017	16-5/8"	24	19-100mm	A75,A150
30105026	22-7/8"		19-150mm	A75,A150



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

Retrieving Auger

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105018	16-5/8"	35	19-100mm	A75,A150
30105022	32-1 1/4"	65	75-250mm	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.

Funnel Auger

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105019	16-5/8"	32	19-100mm	A75,A150
30105015	22-7/8"	55	19-150mm	A150
30105023	32-1 1/4"	60	100-250mm	A200



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

Sharktooth Cutter

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105020	16-5/8"	30	19-100mm	A75,A150



- Curved special tool for slit and sludge deposits.

Spade Head Cutter

Catalog No.	Coupling Mm/inch	Dia. mm	Working range mm	For Model
30105016	22-7/8"	65	19-150mm	A150
30105024	32-1 1/4"		100-250mm	A200



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

Spiral Sawtooth Cutter

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



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

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

GQ-4



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

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

- Using Φ 8mm and Φ 10mm 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-62A

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

- Using Φ 8mm and Φ 10mm 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



D-62B

Ordering Information

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



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

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

Φ 16mm combination set

 Φ 16mm cable combination	consists of	1pc Φ 15mm*2.3m flexible cable
		7pcs Φ 16mm*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*5m soft shaft combination	 Φ 4mm key	 Protection Gloves	 Accessory Barrel
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DRAIN CLEANING

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




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 Φ 30mm×4.6m Flexible Cable
		Φ 500mm Cable Holder

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

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

D200-A



Specifications

- Main machine
- Φ 30mm cable combination
- Φ 30mm drills (6 pieces)
- Φ 5.5mm key
- Protection gloves
- Protection tube


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

 Φ 30mm cable combination	consists of	4pcs Φ 30mm×4.6m Flexible Cable Φ 500mm Cable Holder
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D200-1A



Φ 30mm drills (6 pieces) 2022222

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

 Φ 5.5mm key	 Protection Gloves	 Protection Tube
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Specifications

- Main machine
- Φ 30mm cable combination
- Φ 30mm drills (6 pieces)
- Φ 5.5mm 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.

D300ZF



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
- Φ 12.7mm \times 15m Solid Core cable Φ 16mm drills \times 4pcs(Hexagon C-Cutter Bulb Cutter Side Cutter Blades)

D300ZK



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: Φ 12.7mm \times 15m/ (Φ 10mm \times 23m inner core cable optional).

Pipe Inspection Camera

Specifications

- ø50*160MM, 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; ø9mm fiberglass
- DVR with SD card / USB port, max 256G storage
- Built-in with 4400MAH Li-ion Battery, unit worktime more than 7 hours

916CDJKN-50PT



Camera

- size: ø50*160MM
- Sensor size: 1/3 CCD
- View angle: 90°
- Cameralight: 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)*32(W)*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: ø9mm / 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)*120mm(W)
- 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: ø110 & 150 & 220mm

Monitor

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

Suitcase

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

Keyboard

- size: 220*118*19.2mm
- 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

Specifications

- ø40mm*86mm 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; ø7mm fiberglass
- DVR with SD card or card reader, max 256G storage
- 4400MAH Li-ion Battery, unit work time more than 7hours

914CDJLN-C40



Camera

- Camera size: ø40mm*86mm
- 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: ø100 & 140 & 220mm

Handheld Screen

- Cable size: 460(L) * 270mm(W)*560Hmm
- Wire material: fiberglass rod
- Fiberglass length: 60m-80m, ø7mm
- 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
- Protectiev 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 respose:20-20KHz
- Sensitivity:-47DB±2DB
- Output impedance: ≤2.2KΩ
- Line Length:1m



DRAIN CLEANING

Specifications

- ø23mm*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; ø5mm fiberglass
- DVR with SD card, max 256G storage
- Built-in with 4400MAH Li-ion Battery, unit worktime more than 7 hours
- Control box
- Alluminum case

715DJ-C23



Camera

- Camera size: ø23mm*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: ø5mm / 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±2DB
- Output impedance: ≤2.2KΩ
- 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: ø40 & 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

Specifications

- ø23mm*120mm 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; ø5mm fiberglass
- DVR with SD card, max 256G storage
- 4400MAH Li-ion Battery, unit work time more than 7 hours
- Waterproof engineer case

710DN-SCJ-C23



Camera

- Camera size: ø23mm*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

Skids

- Size: ø40 & 80mm

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: ø5mm / 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 response:20-20KHz
- Sensitivity:-47DB±2DB
- Output impedance: ≤2.2KΩ
- Line Length:1m



Camera



Handheld Screen



Charger



Skids



Microphone



SD card



Suitcase