

**DENAIR®**

# Mobile Screw Air Compressor Series Drill Rig Series

Product Brochure



Energy Saving First  
Mutual Value Shared

# Company Profile

Shanghai Denair (Group) Co.,Ltd is a Sino-German joint venture enterprise group integrating R&D,manufacturing and marketing. The company brought in advanced compressor R&D and manufacturing technology of Germany Denair Group to make product development and large-scale production, including piston air compressors, double screw air compressors, Diesel Portable Air Compressors, High and Medium Pressure Air Compressors, Oil-free Air Compressors and compressed air treatment equipment.

Shanghai Denair (Group) Co.,Ltd not only set up integrated R&D and testing center, but also passed ISO9001, CE, GC,NEETLC etc..

Meanwhile, Shanghai Denair Group Co.,Ltd created unique “Showroom+4S” sales and service mode in this industry. The sales and service network is divided into Domestic 8 areas: East China, South China, North China, Northwest China, Central China , Northeast China, Southwest China and Yangtze Delta and we set up offices in major cities of China to provide our customers with excellent and quick maintenance and repair services through our excellence service staffs.

Denair compressor also owns integrated sales and service network in the whole world including Africa, Southeast Asia, Middle East, Middle East, South America, North America and Oceania etc. with over 200 sales points.

Energy Saving First, Mutual Value Shared, Denair compressor is willing to be your best friend.



## Quality Certificate Authentication



GC energy-saving certification



CE European Union standard certification



ISO9001 the United Kingdom LRQA Certification



# Mobile Screw Compressor Series

## New High-pressure Diesel Mobile Screw Compressor Series

Denair through continuous pursuit of technology innovation, adapt to the market development direction, to develop more reliable and cost-effective unipolar voltage portable screw air compressor. Excellent comprehensive performance, more widely used in high performance drilling, pipeline pressure test and related fields.



## Machine Features

### High reliability

1. Of the major components using well-known enterprise product, reliable quality, constant pressure, flow stability;
2. Achieve emissions from 0-100% continuous automatic adjustment, energy efficient, stable and reliable; economic, non-polluting, low noise.
3. Constant pressure, flow stability; achieve emissions from 0-100% continuous automatic adjustment, energy-efficient and convenient, stable and reliable.

### Convenience

Small volume, light weight, low noise; light and shape, convenient transportation, the actual area of little, can also import and freely in the narrow conditions, reduce transportation costs.

The open design, to ensure the wide operation space, convenient maintenance and repair. To save time, improve efficiency.

### Comprehensive monitoring

The running state of the equipment can fully monitor; in English, the control panel, the running state of the equipment at a glance, and equipped with non normal automatic shutdown function, to ensure that the person, machine safety.

### ★ Extreme conditions of use of the environment

Convenience unit configuration of heavy fuel filter, large capacity battery, and can also be optional fuel fluid heater in the cold area, through the cooling circulation heating cylinder diesel engine, which allows you to start free.

# Mobile Screw Compressor Series

## New High-pressure Diesel Mobile Screw Compressor Series-1 Technical Parameter

Name	(Unit)	DACY-21/8	DACY-17/13	DACY-15/16	DACY-19/16	DACY-15/18	DACY-18/18
Exhaust Air Capacity	m <sup>3</sup> /min	21	17	15	19	15	18
Exhaust pressure	bar	8	13	16	16	18	18
Compression Stage		1	1	1	1	1	1
Compressed air vessel capacity	L	127	127	127	127	127	127
Lubricating oil	L	80	80	80	80	80	80
Engine manufacturer		Cummins	Cummins	Cummins	Cummins	Cummins	Cummins
Model		6CTA 8.3-C260	6CTA 8.3-C240	6CTA 8.3-C215	6CTA 8.3-C260	6CTA 8.3-C260	6CTA 8.3-C260
The number of cylinders		6	6	6	6	6	6
Rated power	KW	194	179	160	194	179	194
Rated speed	rpm	2200	2200	2200	2200	2200	2200
Speed under no-load	rpm	1400	1400	1400	1400	1400	1400
Lubricating oil capacity	L	24					
The amount of coolant	L	60					
Battery		6-QW-165×2					
Fuel tank capacity	L	350					
Dimensions	mm	4600×1980×2210 with towbar 3400×1980×2210 without towbar					
Machine weight	Kg	3280					
Exhaust valve size		1-G2" 1-G1"					

## New High-pres Compressor Se

### Machine Features

#### Large capacity,high

In the solution of air compressor this machine has the characteri perfect best critical impact devi because of unstable flow and pr

#### High reliability

The main parts are made ofdom andproducts, reliable quality.The implementation of emissions fro adjustment, high efficiency and no pollution, low noise.

#### Comprehensive mo

The running state of the equipm panel, the running state of the e

## New High-pressure Compressor Series

Name
Exhaust Air Capacity
Exhaust pressure
Compression Stage
Tank volume
Lubricating oil capacity
Engine manufacturer
Model
The number of cylinders
Rated power
Rated speed
Speed under no-load
Lubricating oil capacity
The amount of coolant
Battery
Fuel tank capacity
Dimensions
The weight of the whole machine
Exhaust valves Size

## sure Diesel Mobile Screw ries-2

### pressure

stage cold start problems at the same time, stics of large capacity, high pressure,the ce, so that Customers don't need to worry essure in the use process.

estic and foreign famous enterprises constant pressure and flow stability; m the 0-100% continuous automatic energy saving, stable and reliable;economy,

### nitoring

ent is comprehensive monitoring; control quipment to ensure human safety.

## Diesel Mobile Screw -2 Technical Parameter



Denair people after thoroughly tempered, revolutionary in the global scope first proposed the advanced design concept, aimed at -40 °C, the elevation 5500 meters above alpine hypoxia environment and overcome the world technical difficulties of diesel engine cold start, combining fuelpreheating device, unprecedented ensures a perfect air compressor in the ultimate bad condition use this initiative will become a historical monument future project air power field.

	(Unit)	DACY-18.5/18	DACY-18.5/18G	DACY-22.5/14
	m <sup>3</sup> /min	18.5	18.5	22.5
	bar	18	18	14
		1	1	1
	L	189	189	189
	L	105	105	105
		Cummins	Cummins	Cummins
		6CTA8.3-C260	6CTA8.3-C260	6CTA8.3-C260
	A	6	6	6
	Kw	194	194	194
	rpm	1900	1900	1900
	rpm	1400	1400	1400
	L	24	24	24
	L	60	60	60
	mm	6-QW-165MF×2	6-QW-165F×2	6-QW-165MF×2
	Kg	380	380	380
	mm	3980×1980×2320	3980×1980×2320	3980×1980×2320
	Kg	4500	4600	4500
		1-G2" 1-G1"	1-G2" -G1"	1-G2" 1-G1"

# Mobile Screw Compressor Series

## New High-pressure Diesel Mobile Screw Compressor Series-3

### Machine Features

#### Large capacity, high pressure

This machine has the characteristics of large capacity, high pressure, the the customers don't need to worry unstable flow,pressure in the process of usage.

#### High reliability

The main components adopt well-known domestic and abroad brands Implementation of emissions from the 0-100% continuous automatic adjustment, high efficiency and energy saving, stable and reliable; economy, no pollution, low noise.

#### Comprehensive monitoring

Can be fully monitored Chinese-English control panel.



Introduced a new type of high pressure machine, the best critical impact device, has the advantages of high efficiency, high price, to meet the market continued the pursuit of efficiency, will bring the mining excavation, new technical reformation.

## New High-pressure Diesel Mobile Screw Compressor Series Technical Parameters-3

Name	(Unit)	DACY-22/20	DACY-25.5/20	DACY-30/25
Exhaust Air Capacity	m <sup>3</sup> /min	22	25.5	30
Exhaust pressure	bar	20	20	25
Compression Stage		2	2	2
Tank volume	L	211	211	260
Lubricating oil capacity	L	137	137	145
Engine manufacturer		Cummins	Cummins	Cummins
Model		6LTAA8.9-C360	6LTAA8.9-C360	NTA855-C450
The number of cylinders		6	6	6
Rated power	KW	265	265	336
Rated speed	rpm	2200	2200	2100
Speed under no-load	rpm	1400	1400	1400
Lubricating oil capacity	L	24	24	43
The amount of coolant	L	60	60	75
Battery		6-QW-135MF×4	6-QW-135MF×4	6-QW-165MF×4
Fuel tank capacity	L	550	550	700



## Diesel Portable Screw Air Compressor Series

Mobile screw compressor for DENAIR Group hot selling products, the use of its characteristics of high efficiency, flexible, won the user's favorite. The series uses a Six-cylinder diesel engine of Dongfeng Cummins production, equipped with a reversal head DENAIR, greatly improves the reliability and economy. Excellent comprehensive performance, widely used in hydropower, railway, ship repairing, mines, roads, shotcrete, oil & gas, water well drilling, municipal construction, cable laying and other related fields.



## Machine Features

### State control

The operation interface of instrument design of separated according to importance, the interface more concise, clear the user more handy to operate.

### Gull wing design

Gull wing design, beautiful appearance, convenient Service, maintenance.

### The transportation cost is low

Small volume, light weight, low noise; a compact, convenient transportation, the actual area of less, in the narrow condition industry can also import and freely, reduce transportation cost.

### Large capacity fuel tank

Equipped with large capacity tank, more than 8 hours of continuous work, meet .

# Mobile Screw Compressor Series

## Technical Parameters of Diesel Mobile Screw Compressor

Model	DACY-3.2/7	DACY-5.3/7	DACY-6.0/7	DACY-7.5/7	DACY-8.5/10	DACY-9.0/7	DACY-10.0/8	DACY-10.0/13	DACY-11.0/10	DACY-11.0/13	DACY-12.0/7	DACY-12.0/10	DACY-12.0/13	DACY-13.0/8	DACY-13.0/13
Machine															
Free Air Delivery (m <sup>3</sup> /min)	3.2	5.3	6.0	7.5	8.5	9.0	10.0	10.0	11.0	11.0	12.0	12.0	12.0	13	13.0
Normal Working Pressure(bar)	7	7	7	7	10	7	8	13	10	13	7	10	13	8	13
Weight(kg)	720	1500	1400	1850	1950	1850	1950	2450	2450	2380	2050	2380	2650	2450	2750
Dimensions L*W*H(mm)	2470*1450*1300	3160*1740*1515	3750*1920*1700	3900*1920*1700	2880*1740*1760	3900*1920*1700	2880*1740*1760	3220*1850*1850	3220*1850*1850	3450*1520*2200	3900*1980*1900	4080*1980*2350	3940*1970*2020	3220*1850*1850	3450*1520*2220
Wheel Qty	2	2	2	2	2	2	2	2	2	4	2 or 4	2 or 4	2	2	4
Size * No. of Air Outlet Valve	G1*2	G1*2	G11/4*1 ; G3/4*1	G11/2*1 ; G3/4*1	R1.1/2**1 ; R1** *1	G11/2*1 ; G3/4*1	R1.1/2**1 ; R1** *1	R1.1/2**1 ; R1** *1	R1.1/2**1 ; R1** *1	G11/2*1 ; G3/4*1	G11/2*1 ; G3/4*1 ; G2*1 ; G3/4*1	G11/2*1 ; G3/4*1 ; G2*1 ; G3/4*1	G2**1 ; G1**1	R1.1/2**1 ; R1** *1	G2*1 ; G3/4*1
Diesel Engine															
Manufacturer	Changchai	Quanchai	Yuchai	Yuchai	Yuchai	Yuchai	Yuchai	Cummins	Cummins	Cummins	Cummins	Yuchai	Cummins	Cummins	Cummins
Model	CZ480Q	QC4105	YCD4B 22-95	YC4D 80-K11	YC4B 115Z	YC4D 95Z-K20	YC4B115Z	6BT5.9	6BT5.9	6BTA 5.9-C180	4BTA 3.9-C125	YC6B 150Z-K20	6BTA5.9	6BT5.9	6BTA 5.9-C180
Type	Water-cooled 4-stroke Direct injection														
Bore*Stroke (mm)*No. of Cylinders	80*90*4	105*118*4	95*105*4	108*115*4	108*125*4	108*115*4	108*125*4	102*120*6	102*120*6	102*120*6	102*120*4	108*125*6	102*120*6	102*120*6	102*120*6
Engine Capacity(L)	1.808	4.087	2.977	4.214	4.58	4.214	4.58	5.9	5.9	5.9	3.9	6.871	5.9	5.9	5.9
Rated Speed (R/min)	2600	2400	2500	2100	2400	2100	2400	2400	2400	2500	1800	1800	2500	2400	2500
Rated Power	20kW/ 27HP	44kW/ 60HP	70kW/ 95HP	58kW/ 80HP	84kW/ 115HP	70kW/ 95HP	84kW/ 115HP	110kW/ 150HP	110kW/ 150HP	132kW/ 180HP	93kW/ 125HP	110kW/ 150HP	132kW/ 180HP	110kW/ 150HP	132kW/ 180HP
Engine Oil Capacity(L)	10	25	8	12	9-12	12	9-12	12-18	12-18	24	9	15	24	12-18	24
Fuel Tank Capacity(L)	35	100	80	130	120-160	130	120-160	120-160	120-160	380	130	130	380	120-160	380
Storage Battery	12 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V
Compressor															
Compression Stage	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lubricating Oil Capacity(L)	10	25	20	25	48	25	48	54	54	30	35	35	65	54	36



# DENAIR compressor

Model	DACY-15.0/10	DACY-15.0/13	DACY-15.0/16	DACY-15.0/18	DACY-17.0/7	DACY-17.0/8	DACY-17.0/13	DACY-17.0/14.5	DACY-17.0/16	DACY-18.0/18	DACY-18.5/18G	DACY-19.0/14.5	DACY-19.0/16
Machine													
Free Air Delivery (m <sup>3</sup> /min)	15	15.0	15.0	15.0	17.0	17.0	17.0	17.0	17.0	18.0	18.5	19.0	19.0
Normal Working Pressure(bar)	10	13	16	18	7	8	13	14.5	16	18	18	14.5	16
Weight(kg)	3600	3600	3280	3280	3350	2500	3280	3400	3280	3280	4500	4000	3280
Dimensions L*W*H(mm)	3460*1700*2240	3460*1700*2240	4600*1980*2210	4600*1980*2210	3380*1640*2350	4579*1018*2350	4600*1980*2210	3980*1800*2450	4600*1980*2210	4600*1980*2210	3980*1980*2320	3980*1800*2450	4600*1980*2210
Wheel Qty	2	2	2	2	4	2	2	4	2	2	2	4	2
Size * No. of Air Outlet Valve	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G3/4" *1	G2" *1; G11/4" *1; G3/4" *1	G2" *1; G1" *1	G2" *1; G3/4" *1	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G3/4" *1	G2" *1; G1" *1
Diesel Engine													
Manufacturer	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins
Model	6BTA5.9	6BTA5.9	6CTA 8.3-C215	6CTA 8.3-C240	6BTA 5.9-C180	6BTS.9	6CTA 8.3-C240	6CTA 8.3-C260	6CTA 8.3-C260	6CTA 8.3-C260	6CTA 8.3-C260	6CTA 8.3-C260	6CTA 8.3-C260
Type	Vertical, in-line, water-cooled, 4-stroke												
Bore*Stroke(mm)*No. of Cylinders	102*120*6	102*120*6	114*135*6	114*135*6	102*120*6	102*120*6	114*135*6	114*135*6	114*135*6	114*135*6	114*135*6	114*135*6	114*135*6
Engine Capacity(L)	5.9	5.9	8.3	8.3	5.9	5.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Rated Speed(R/min)	2500	2600	2200	2200	1800	2400	2200	1800	2200	1900	1900	1800	1900
Rated Power	132kW/175HP	132kW/180HP	160kW/215HP	179kW/240HP	132kW/180HP	110kW/150HP	179kW/240HP	194kW/260HP	194kW/260HP	194kW/260HP	194kW/260HP	194kW/260HP	194kW/260HP
Engine Oil Capacity(L)	24	24	24	24	24	12-18	24	21.9	24	24	24	21.9	24
Fuel Tank Capacity(L)	380	380	350	350	380	120-160	350	380	350	350	380	380	350
Storage Battery	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V
Compressor													
Compression Stage	1	1	1	1	1	1	1	1	1	1	1	1	1
Lubricating Oil Capacity(L)	80	80	80	80	48	54	80	48	80	80	105	45	80

Model	DACY-21.0/8	DACY-22.0/20	DACY-22.5/14	DACY-22.5/14G	DACY-25.5/20	DACY-27.0/10	DACY-32.0/10	DACY-33.0/35	DACY-34.0/25
Machine									
Free Air Delivery (m <sup>3</sup> /min)	21.0	22.0	22.5	22.5	25.5	27.0	32.0	33.0	34.0
Normal Working Pressure(bar)	8	20	14	14	20	10	10	35	25
Weight(kg)	3280	5500	4500	4600	5500	5000	5000	7200	6500
Dimensions L*W*H (mm)	4600*1980*2210	4385*2290*2530	3980*1980*2320	3980*1980*2320	4385*2290*2530	4600*1950*2600	4600*1950*2600	5000*2200*2900	4750*2450*3020
Wheel Qty	2	4	4	4	4	4	4	4	6
Size * No. of Air Outlet Valve	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G1" *1	G2" *1; G3/4" *1	G2" *1; G3/4" *1	G2" *2; G1" *1
Diesel Engine									
Manufacturer	Cummins	Cummins	Cummins	Cummins	Cummins	Yuchai	Yuchai	Cummins	Cummins
Model	6CTA8.3-C260	6LTAA8.9-C360	6CTA8.3-C260	6CTA8.3-C260	6LTAA8.9-C360	YC6M340L-K20	YC6M395L-K20	KTA19-P680	NTA855-C450
Type	Vertical, in-line, water-cooled, 4-stroke								
Bore*Stroke(mm)*No. of Cylinders	114*135*6	114*135*6	114*135*6	114*135*6	114*135*6	120*145*6	120*145*6	159*159*6	139*152*6
Engine Capacity(L)	8.3	8.9	8.3	8.3	8.9	9.839	9.839	19	14
Rated Speed(R/min)	2200	2200	1900	1900	2200	1800	1800	1800	2100
Rated Power	194kW/260HP	264kW/360HP	194kW/260HP	194kW/260HP	264kW/360HP	250kW/340HP	288kW/390HP	511kW/696HP	336kW/460HP
Engine Oil Capacity(L)	24	24	24	24	24	28	28	59	43
Fuel Tank Capacity(L)	350	550	380	380	550	400	530	700	700
Storage Battery	24 V	24 V	24 V	24 V	48 V	24 V	24 V	48V	48 V
Compressor									
Compression Stage	1	2	1	1	2	1	1	2	2
Lubricating Oil Capacity(L)	80	137	105	105	137	65	65	140	145

# Mobile Screw Compressor Series

## Portable Electric Screw Compressor Series

New small and medium-size electric portable screw compressor has been improved based on original type, now it's more smaller size and more rational layout with higher performance.

Applies not only suitable for mining industry, the green environmental protection design concept is more closed with the strict requirements of municipal engineering in engineering machinery.



## Portable Electric Screw Compressor Series Of Technical Parameters

Name	(Unit)	DADY-6.2/8	DADY-7.4/7	DADY-8.7/10	DADY-10.6/8	DADY-11.3/1	DADY-12/8
<b>Compressor</b>							
Exhaust Air Capacity	(M <sup>3</sup> /min)	6.2	7.4	8.7	10.6	11.3	12.0
Working Pressure	(bar)	8	7	10	8	13	8
Lubricating Oil Capacity	(L)	26	36	42	48	48	48
Size*No. Of Air Outlet Valve		1*R1.1/2" 1*R1"					
<b>Electric Motor</b>							
Power	(KW)	37	45	55	55	75	75
Rated rotation speed	(RPM)	2950	2950	2975	2975	2975	2975
<b>Machine</b>							
Dimension L*W*H	(mm)	2200*1070 *1600	2850*1520 *1500	3320*1660 *1800	2580*1710*1790		
Weight	(Kg)	1350	1400	1700	2090	2090	2090

## Machine Features

### Full open door

The door design more humanized than the gull wing design original, convenient to maintain and repair.

### The transportation cost is low

Small volume, light weight, low noise; shape is light and handy, Convenient to transport, floor area is small, Also can move freely move in narrow work condition, reduce the operating cost.

### Humanized handle design

Humanized handle design, convenient to connect with power equipment, saves time and effort.

### Cold box design

Cold box design, Ensure the lower internal temperature.

## Portable Electric Screw Compressor Series Of Technical Parameter

Name	(Unit)	DADY-15.5/8	DADY-12/14	DADY-20/8	DADY-11.5/18	DADY-15/14	DADY-14.5/18	DADY-18/18	DADY-25.5/14
<b>Compressor</b>									
Exhaust Air Capacity	(M <sup>3</sup> /min)	15.5	12.0	20.0	11.5	15.0	14.5	18.8	25.5
Working Pressure	(Bar)	8	14	8	18	14	18	18	14
Lubricating Oil Capacity	(L)	80	80	80	80	80	80	105	105
Size*No. Of Air Outlet Valve		1*G2" 1*G1"							
<b>Electric Motor</b>									
Power	(KW)	90	90	110	110	132	132	185	185
Rated rotation speed	(RPM)	2970	2970	2970	2970	2970	2970	2970	2970
<b>Machine</b>									
Dimension L*W*H	(mm)	3430*1910*2030							
Weight	(Kg)	2800	2800	2800	2800	2800	2800	4500	4500



# Mobile Screw Compressor Series

## Remote Control System (Optional)



### Positioning, Monitoring and Human-machine talk

DENAIR Company for all kinds of questions the amount of user feedback, designed to match with the current model of the remote control system.

## Product Features

### Strong stability

strong anti-interference ability, in line with the industry standard;  
High frequency electromagnetic field immunity > 10V/m;  
Electrical fast transient resistance  $\pm 2$ KV;  
Electromagnetic field to the immunity, 10Vrms.

### Quick response

Transfer instructions, 5 seconds to complete and result feedback.

### Safe and reliable

The Product through the safety certificate by UL national certification body.

## Product Functions

### Satellite positioning function

Accurate position at any time location on the map, error in the range of 20 meters;

### Abnormal status query function

On machine running state monitored at normal;

### Remote setup function

Can remote setting for each machine at any time;  
Through the above function, reasonable maintenance easy, accurate positioning, state query more conducive to the maintenance personnel first time on-site maintenance personnel first time on-site maintenance, the maximum guarantee the interests of users.  
Can let the machine running in a healthy environment, standardized and orderly management. Ensure that the user's normal use.

# Drilling Rig Series

**DENAIR**  
compressor

## Crawler Drilling Rig



### Product Features

1. The low speed high torque hydraulic motor driven rotary device output torque required drilling operation;
2. Adopt cylinder pushing, to promote a more stable, the failure rate is substantially lower than motor propulsion;
3. The two stage filtering device can effectively ensure the engine inlet air safety, prolong the service life of diesel engine;
4. Can monitor rig hydraulic system pressure and boost pressure, to ensure stable and efficient operation of drilling rig;
5. Adopt multiple well-known brands of domestic control valve, superior performance, handle, easy to operate;
6. Reliable track tensioning device to ensure the reliability of drilling rig.
7. Set up the lighting for night operation, maintenance, and provide necessary condition;
8. The establishment of the drill rod base, the operation is convenient, and the protection of the drill rod.

## Crawler Drilling Rig



### Product Features

1. Two level filtering device adopted, the maximum guarantee the service life of diesel engine;
2. The auxiliary water tank with the prescribed antifreeze ratio meet the alpine region diesel engine operation conditions;
3. Diesel tank equipped with large capacity, ensure the jumbo continuous operation, reduce auxiliary time;
4. Vertical, straight, water cooled, four stroke, direct injection two cylinder diesel engine to provide a strong impetus for the drill rig;
5. The instrument can real-time monitoring of diesel operation machine, hydraulic system, to ensure the safe and reliable operation of drill rig.



# Drilling Rig Series

## Crawler Drilling Rig



## Product Features

1. Vehicle using computer optimization design, compact structure, beautiful appearance;
2. According to the functional layout, install the control handle, convenient operation;
3. Except impactor using air power, the rest are using hydraulic power, high efficiency and energy saving;
4. Hydraulic system adopts centralized back to the oil filter, the system is stable and reliable;
5. Special structural design, can realize the side horizontal hole drilling.
6. The humanization design concept, to ensure that the drill operator safety and the night shift, work safety drilling vehicle;
7. Special manufacturing process, key components and quality of imported seals to ensure the reliability and durability of drill vehicle.

## Crawler Drilling Rig



## Product Features

1. The operation performance of flexible, excellent off-road capability, higher production efficiency, Open-pit drill blasting engineering preferred equipment.
2. Using the matched with high or medium pressure air compressor, high drilling capacity;
3. Impactor in the high-pressure compressed air as a driving force, walking, turning, advance, Hydraulic system by decompression of the compressed air as a driving force, give full play to the soft characteristic motor gas and the function of the compressed air energy storage characteristic, the jumbo action strong, safe and reliable;
4. The structure is compact, walking fast, reasonable layout, convenient operation;
5. With high-pressure mobile screw compressor supporting the use of rockpore 200-300m day drill diameter 115mm.





## Hydraulic Type Surface Crawler Drilling Rig

### Product Features

1. Imports of high efficiency, energy saving hydraulic drilling machine;
2. With strong folding arm bracket system, smart structures;
3. Strong, lightweight aluminum alloy rail;
4. Comfortable, concise, cockpit, three transparent surfaces, convenient observation and timely response to emergencies;
5. With Cummins water-cooled diesel engine, the power performance is excellent;
6. The filter area is large, with automatic filter cleaning device.

### The Scope

Applicable to mining, quarrying, railway, transportation, water conservancy, building materials, military engineering drilling deep hole blasting in open pit, high efficiency of drilling operation. It is also widely used in bolt supporting, excavation drilling ditch, sewer project, the hole diameter range 76- 115mm.

# Drilling Rig Series

## Hydraulic Type Drilling Rig DMJ2-18



### Product Features

1. The small, compact structure, good working stability easy to operate, safe and comfortable, operation low noise, less pollution;
2. Crawler, mobile and flexible, crawling ability ,Double arm hydraulic rock, can work in any position of surface drilling,accurate positioning;
3. The construction of good quality, low cost drilling; drilling device hasgradually, rock stability, high work efficiency;
4. With the anti-jamming automatic stop device, impact frequency can beadjusted, the drilling speed,Single power, low energy consumption; the advanced hydraulic systempiping layout is reasonable, easy maintenance.

## Electric Type Down the Hole Machine



### Product Features

#### The high efficiency and energy saving

Using hydraulic technology, reasonable configuration, the price is low, the fuel consumption province. Support the positioning toothed disc has the advantages of novel structure.

#### Mobile and flexible, simple operation

The detachable, suitable for original relief operations.

#### The patent technology

Split type hydraulic pumping station is obtained national patent products,power part and control part of phase separation, work only with drillseparate mobile console can realize multi operation, low labor intensity,long service life.



## Electric Type Down the Hole Machine

DQD70 type electric submersible drilling rig is our new design of a new type of high efficient wide applicability of drilling equipment, widely applicable to small and medium-sized mines and transportation, national defense, water conservancy, rock engineering, badlands is especially suitable for other drilling machine is not working properly of the concave convex potential. The machine has the advantages of simple structure, convenient operation, low price, energy saving, but also has the drilling of vertical and horizontal hole blasting function, especially the low center of gravity can be good, transportation is very convenient.



## Product Features

1. Has the advantages of simple structure, convenient operation and low price;
2. Low center of gravity can be good, transportation convenient, especially in concave convex rugged terrain or the original landform;
3. Impactor low consumption, supporting the small displacement compressor, energy saving economy;
4. The rotary gear reducer torque, in the strong vibration and high load working conditions, good reliability;
5. The electrical system with overload protection and open phase protection function, the operation is stable and reliable;
6. Propulsion system configuration of the pressure reducing valve, adjustable propulsion force according to different rock conditions, to obtain the best effect of rock drill.



# Drilling Rig Series

## Pneumatic Type Down the Hole Machine



### Product Features

1. Simple structure, easy operation, low price;
2. Removable low center of gravity and good, easy relocation transportation, especially for the rugged terrain in the bump or the original topography;
3. Impactor low air consumption required supporting small air compressor displacement, energy economy;
4. rotary gear torque, under strong vibration, high-load operating conditions, good reliability;
5. Electrical system with overload and phase protection function, so that the rig is stable and reliable;
6. System configuration of the propulsion valve 6 may be different propulsion rock conditions adjusted according to the best drilling results.

### Technical Parameters

Model	DQF110
Application of rock	f=6 ~ 20
The hole diameter	68 ~ 130mm
Vertical drilling depth	20m
Spec of Drill rod	Φ60×1000mm
Maximum lifting force	7000N
Working pressure	0.5 ~ 0.7Mpa
Air Consumption	9 ~ 12m <sup>3</sup> /min
Rotation speed in non-loading condition	110 ~ 160r/min
Pneumatic motor power	4KW
Drilling weight	260Kg
The impactor	Standard CIR90

## Split Type Down the Hole Drill Rig (Diesel engine driven, Electrical motor driven)



### Product Features

#### The high efficiency and energy saving

Using hydraulic technology, reasonable configuration, the price is low, the fuel consumption province. Support the positioning toothed disc has the advantages of novel structure.

#### Mobile and flexible, simple operation

The detachable, suitable for original relief operations.

#### The patent technology

Split type hydraulic pumping station is obtained national patent products, power part and control part of phase separation, work only with drill separate mobile console can realize multi operation, low labor intensity, long service life.

## Technical Parameters

Model	DQJ100A
Application of rock	f=6 ~ 20
The hole diameter	68 ~ 130mm
Vertical drilling depth	20m
Spec of Drill rod	Φ60×1000mm
Maximum lifting force	7000N
Working pressure	0.5 ~ 0.7Mpa
Air Consumption	9 ~ 12m <sup>3</sup> /min
Rotation speed in non-loading condition	110 ~ 160r/min
Pneumatic motor power	4KW
Drilling weight	260Kg
The impactor	Standard CIR90

# Drilling Rig Series

## Technical Data Sheet

Name	(Unit)	DC725A	DC725B	DC725D
Hole Diameter	(mm)	60-130	60-130	60-130
Max.Hole Depth	(M)	25	25	25
AirConsumption	(m <sup>3</sup> /min)	7-12	7-12	7-12
Working Pressure	(Bar)	5-14	5-14	5-14
Traveling Speed	(km/h)	2.0	2.4	2.0
Climbing Ability		25°	25°	25°
Weight	(Kg)	3000	3200	3200
Overall dimensions L*W*H	(mm)	4250*1980*2260	4250*1980*2260	4250*1980*2260
Recommended matched air compressor model		DACY-10/13	DACY-10/13	DACY-10/13
Note		Single cylinder diesel engine	Double-cylinder diesel engine	Electric motor powered

Name	(Unit)	DC590	DCL7	DCL6
Hole Diameter	(mm)	115-165	115	76-89
Max.Hole Depth	(M)	40	40	18(both vertical direction and horizontal direction)
AirConsumption	(m <sup>3</sup> /min)	11-21	/	/
Working Pressure	(Bar)	12-24	/	/
Traveling Speed	(km/h)	2.5-3.5	1.5-3.1	1.7-3.0
Climbing Ability		30°	20°	30°
Weight	(Kg)	6400	14500	11000
Overall dimensions L*W*H	(mm)	3150*2170*2300	11610*2450*3200	9010*2390*2750
Recommended matched air compressor model		DACY-15/18	/	/
Note		/	All hydraulic	All hydraulic



DC725H	DC726A	DC726B	DC726D	DC680	DC558
60-130	90-130	90-130	90-130	92-200	90-165
25	25	25	25	40	25
7-12	7-12	7-12	7-12	11.3-17	11.0-17
5-14	7-16	7-16	7-16	14-24	10.5-24.6
2.4	2.5	2.5	2.5	2-3	2-3
25°	25°	25°	25°	30°	30°
3200	4200	4200	4200	6000	6400
4250*1980*2260	5260*2045*1950	5260*2045*1950	5260*2045*1950	6100*2250*2500	3150*2170*2300
DACY-10/13	DACY-15/13	DACY-15/13	DACY-15/13	DACY-15/18	DACY-15/18
Diesel engine and electric motor powered	Diesel engine powered without dust collector	Diesel engine powered with dust collector	Electric motor powered without dust collector	Diesel engine powered	Diesel engine powered

DA281	DMJ2-18	DQD70	DQD110	DQF100	DQJ100A
45-89	33-55	68-80	68-130	68-130	68-100
20	/	15	20	20	20
/	/	3.5-5.0	3.5-12.0	9-12	3.5-7.2
/	/	5-8	5-7	5-7	5-7
15	2.5	/	/	/	/
18°	14°	/	/	/	/
9000	95000	175	175	260	450
11470*1660*2237/2937	8000*1200*1800	3000*1300*1500	3000*1300*1500	3000*1300*1500	3500*1500*1700
/	/	DACY-7/7	DACY-12/7	DACY-12/7	DACY-7/7
All hydraulic	All hydraulic	DTH drill series			

# Rock Drill Series

## Rock Drill Series Features

### Full Range

Handheld, air leg rock drill two categories have 11 varieties to choose from.

### Superior Performance

Reasonable structure, easy to manipulate, stable, reliable.

### Intellectual property DENAIR

DY series Rock Drill with Efficiency and speediness, which is newly launched by Denair and with independent intellectual property



Pneumatic Picks



Pneumatic Picks

Model	Working Pressure		Consumption		Machine length (mm)	Net weight (Kg)	Gross weight (Kg)	Package Size(L×W×H) (mm)
	MPa	Bar	m <sup>3</sup> /min	cfm				
DG10	0.5	5	1.2	42	570	10	11	570×180×110
DG15	0.5	5	1.4	49	600	11	12	570×180×110



Pneumatic Rock Drill



Pneumatic Rock Drill

Model	Bore (mm)	Piston stroke (mm)	Working Pressure		Consumption		Rod spec (mm)	Net weight (Kg)	Gross weight (Kg)	Package Size(L×W×H) (mm)
			MPa	Bar	m <sup>3</sup> /min	cfm				
DY18	58	50	0.4	4	1.4	49	B22×108	17	21	590×280×180
YO18	58	50	0.4	4	1.4	49	B22×108	17	21	590×280×180



Pneumatic Rock Drill



Pneumatic Rock Drill



Pneumatic Rock Drill



Pneumatic Rock Drill



Pneumatic Rock Drill



Pneumatic Rock Drill



Pneumatic Rock Drill



Pneumatic Rock Drill

Model	Bore (mm)	Piston stroke (mm)	Working Pressure		Consumption		Rod Spec (mm)	Net weight (Kg)	Gross weight (Kg)	Package Size(L×W×H) (mm)
			MPa	Bar	m <sup>3</sup> /min	cfm				
DY19	65	54	0.4	4	1.9	67	B22×108	18	23	690×300×190
DY20	64	52	0.4	4	1.7	60	B22×108	18	21	590×280×180
DY21	65	54	0.4	4	1.9	67	B22×108	18	23	690×300×190
DY23D	70	70	0.4	4	2.3	81	B22×108	24	32	780×310×220
YT24	70	70	0.5	5	2.8	99	B22×108	24	27	740×310×220
DY24	70	64	0.4-0.5	4-5	2.1-2.6	74-92	B22×108	24	27	740×310×220
DY26	76	62	0.5	5	3.2	113	B22×108	24	32	780×310×220
DY26A	76	62	0.5	5	3.2	113	B22×108	24	32	780×310×220
DY28	80	60	0.5	5	3.8	134	B22×108	26	29	740××310×220





## DENAIR Perfect Global 4S Sales Service Network

- 1、 Sales Service System covers the whole China, and after-sales system is of nationwide warranty
- 2、 Our 200 abroad authorized dealers around the world construct the worldwide warranty system

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