

WINDBELL



185CFM AIR COMPRESSOR

Flow rate: 185 cfm @ 100 psi

Stage V and Tier 4F
New Version

About Us

Windbell Co. Ltd. was established in 2006. It is a high-tech company mainly producing air compressors.

Located in Zhengzhou National High and New Technology Industries Development Zone, the company has more than 100 employees equipped with 50 advanced testing machines working in the plant area of 20000 square meter. A high profile R&D team with experience in developing products with GHH and Rotor, has more than 20 patents granted. The company can produce more than 4000 air compressors every year.

We believe that without an advanced quality management system you cannot make high quality compressors. With ISO9001 and ISO14001 certifications, the company aims to be a pioneer in offering consumers efficient, energy-saving, and environment-friendly solutions in the application of air compressor.

Based on its R&D output, the company has successfully applied its solutions to the field of mining, tunneling, outdoor construction and its technology also facilitates the production of medical oxygen generators and textile equipment. The products are sold to Southeast Asia, Central Asia, Middle East, Africa, and America....



Description

The new generation 185 cfm compressor is powered by one 50hp Kubota engine which can meet Euro 5 or America Tier 4 stage exhaust emission standard. Pre-filtesystem and internal aftercooler make sure the compressol can work in very hard conditions, such as rock drilling , mining , sandblasting concrete breaking.

Engine Features

- Kubota engine ,imported from japan directly
- Tier 4 or Euro V compliance
- Water cooled, 4 cylinders
- Low fuel consumption , low noise
- 2 years standard warranty

Trailer Features

- Road type , speed can reach 120km/h
- 2 type tow bar options: ball and ring
- VIN available
- CE certification

Control system Features

- Large size screen for convenient reading
- 7 language options
- IoT functions, Windbell network 3.0
- Can work under -40'C

Airend Features

- 2 quality options:Regular class and high class
- High efficient,can produce 185cfm compressed air
- Stable quality, can work 100,000 hours
- 2 years standard warranty

Warranty

- Standard: 2 year for compressor unit
- Extended: 5 years *



Product Details



Pre-filter

Both compressor and engine are available with Donaldson pre-filter which can prevent impurities to enter into compressor screw head and engine cylinders , it can make sure compressor and engine are in good working conditions and longer lifetime.



Internal aftercooler and AWS

DPF makes sure compressor can meet higher stage exhausting emission , such as Euro V or Tier 4 , it assures compressor can be used in downtown or environment protection law request to use higher stage emission diesel compressor.



Fail-safe Butterfly air intake valve

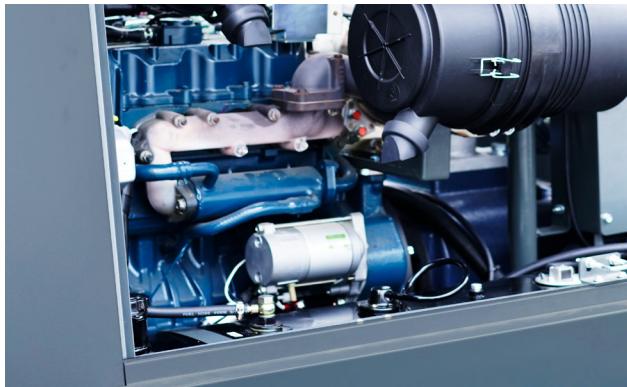
It is closed in starting and unloading status, to make sure high load start .



Diesel Particular Filter (DPF)

Internal aftercooler can decrease about 10-25°C temperature(up to ambient temperature) which can avoid air tools too hot to handle.

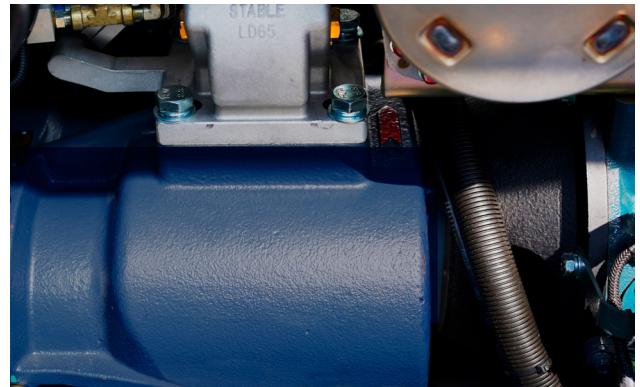
Air water separator can remove most of condensate water to give good protection of air tools.



Kubota engine

The 185 cfm diesel air compressor is powered by one Kubota engine which is imported from directly. The advantage is powerful, stable, low noise, less fuel consumption.

It can meet Euro 5 or Tier 4 stage exhausting emissions. Engine for Euro 3 or Tier 3 is also available.



Stable Screw air end

High quality screw air end can produce 185 cfm compressed air @ 100psi. Lifetime can reach 100000 hours under timely maintenance and using recommended compressor oil.

Air end for Pro and Pro max version compressor is equipped with SKF or FAG bearings.

Upgrade Controller system

Multiple language options: Chinese, English, Russian, French, Korean and Portuguese and Spanish. Indicators on control panel can be easily know CAF, EAF and OAS working conditions, to make sure to clean or replace in time.



Road type trailer

Road type trailer make speed to reach 120km/h.

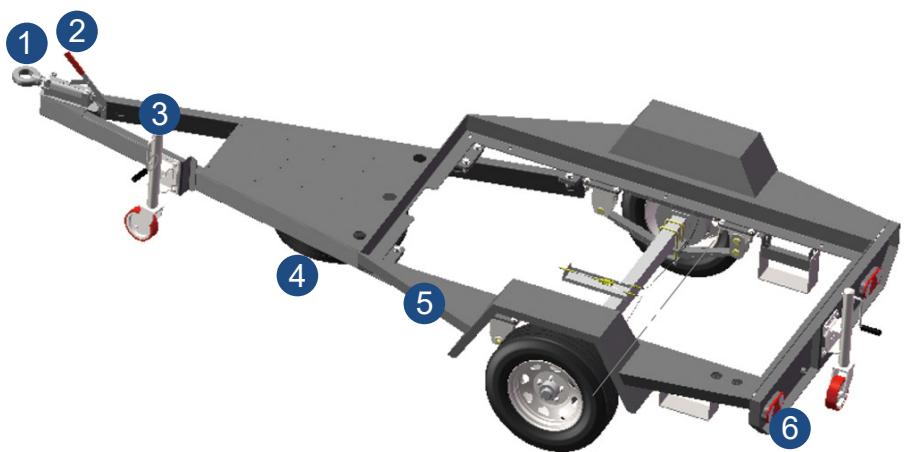
Tow types of tow bar: ball and ring.

CE certification.

VIN available.



- ① Ring/ball type tow bar
- ② Brake
- ③ Jockey wheel
- ④ Spare tire
- ⑤ Trailer
- ⑥ Brake light





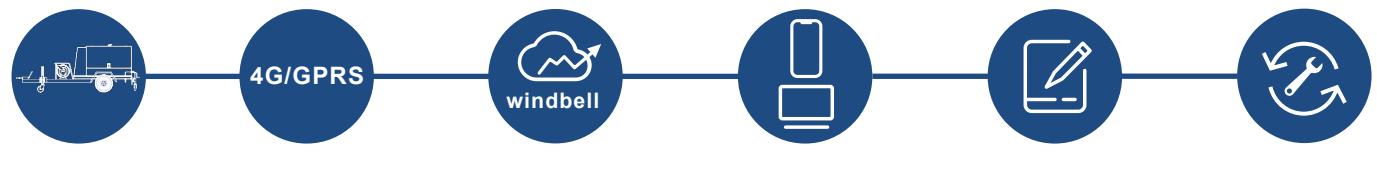
Windbell Cloud Monitoring

Windbell Cloud Plus is a high-concurrency, low-latency, high-customization on-line monitoring platform of compressor.

Users can add, modify, and delete compressor information independently, and other user's compressor can be checked and monitored by subscribing and unsubscribing functions.

Windbell Cloud adopts Web socket to actively push the data of cloud monitoring module to shorten the real-time data display time of client and reduce the network traffic of users. Windbell Cloud provides three versions of web, Android and computer for users to choose.

With event log, fault push, alarm analysis, positioning, remote lock/unlock, flow check, cloud modem remote upgrade, electric fence, running track functions.



Technical specifications

COMPRESSOR				ENGINE				PACKAGE			DIMENSION	
Model	Free Air Delivery (cfm)				Make	Power @Full Load (hp)	Full Load Speed (rpm)	Off load Running Speed (rpm)	Fuel Tank Capacity (L)	Wight (kg)	Outlets	LxWxH (mm)
	100 psi	116 psi	145 psi	174 psi								
WGD185S	185	150			Kubota	50	2700	1350	80	1500	2*G3/4"	4200*1730*1650



Brife data

New and old 185 model



Model		WGD-185S	WGD-185
Normal working pressure	bar	7	7
	psi	100	100
Actual free air delivery	m³/min	5.2	5.2
	cfm	185	185
Engine		Kubota	Xichai

WINDBELL

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