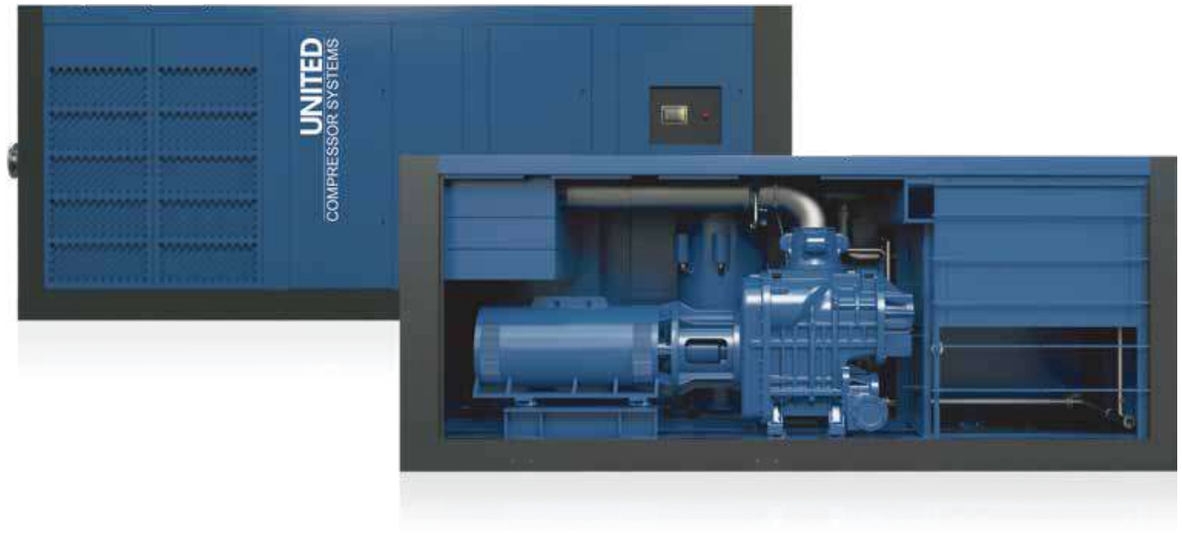
BUSINESS REPRESENTITIVE NAME CARD

UNITED
COMPRESSOR SYSTEMS

OIL-LUBRICATED SCREW AIR COMPRESSOR



Email: contact@ucs.ltd
Web: www.ucs.ltd

HIGH ENERGY-EFFICIENCY
AIR COMPRESSOR MANUFACTURER

UD | UD-VPM | UD-VFD | UDT | UDT-VPM | UDT-VFD | LOW-PRESSURE

UNITED
COMPRESSOR SYSTEMS

COMPRESSED AIR PURIFICATION FLOW CHART

Centrifugal Air Compressor

Oil Free Screw/Scroll Air Compressor

Oil Lubricated Screw Air Compressor

Air/Water Separator

Filter Grade V/A (Optional)

Air Reservoir Tank

Refrigerated Air Dryer

Consumables

Filter Grade V

Filter Grade A

Filter Grade B

1 Architecture
Cleaning
Sand Blasting
Stamping

2 Metalwork
Pressure Forming
Pneumatic Machinery
Parts Drying

3 Precision Machinery
Electronic Industry
Packing
Printing

Filter Grade A/B

Adsorptive Dryer

Filter Grade AC

Filter Grade AD

4 Spraying
Electronics
Textile

5 Medicine
Bioengineering
Chemical Industry

Filter Grade B

Adsorptive Dryer

Filter Grade B/AC

6 Lithium Battery
Pharmacy
Food

Configuration Refers To ISO80753/GB13277.1-2017 Compressed Air Contaminants & Purity Classes

CATALOGUE

ABOUT UCS

Founded in 2002, Shanghai United Compressor Co., Ltd. is a vigorous company dedicated to developing and manufacturing industrial high-efficiency compressors under United OSD and United Compressor Systems (UCS) brands. The company is committed to becoming the world's leading compressed air solutions provider.

In 2013, UCS Group entered a joint venture with the World's Top 500 Enterprises - HITACHI Group (Japan). A well-known enterprise established in 1910 with a compressor production history of more than 100 years. The J/V cooperation not only complements each other's product vacancy but also enhances each other's ability to design, production, quality control and service.

UCS adheres to the research and development for "energy-saving, environmental protection" products. Successively launched a series of products of One-stage screw compression,Two-stage screw compressor, Low-pressure compressor, Vacuum pump, Oil-free screw compressor, Oil-free screw blower, Oil-free scroll compressor, Magnetic suspension centrifugal blower and others. On top of that, UCS also design and produce customised compressors to satisfy the diverse needs of industries, including shield tunnelling machine, shotcrete manipulator machine, Rock drill compressor,nitrogen compressor, field service compressor,vinyl chloride compressor, and others.

Shanghai United Compressor
(Headquarters, R&D)

UCS & Airthink Wuxi Production Plant Phase I
(Skid Intelligent Air Station, Centrifugal Compressor)

United OSD & Hitachi ISC Joint Production Phase I
(Screw & Scroll Compressor)

UNITED
COMPRESSOR SYSTEMS

OIL-LUBRICATED SCREW
AIR COMPRESSOR SERIES

UCS produces a series of screw compressors power range from 5.5 to 630kW, air delivery volume of 0.69 to 120m³/min and pressure range of 0.2 to 1.5MPa.

UCS not only designs and manufactures energy-saving air compressors and special gas compressors but also is the industry pioneer of intelligent and efficient air compressor stations and the drafter of industry standards. UCS has always cared about users' needs and has provided the optimal air compressor solutions that have helped users save millions of dollars in energy bills over decades. UCS air compressors are used in various industries and are highly recognized by users.

Features

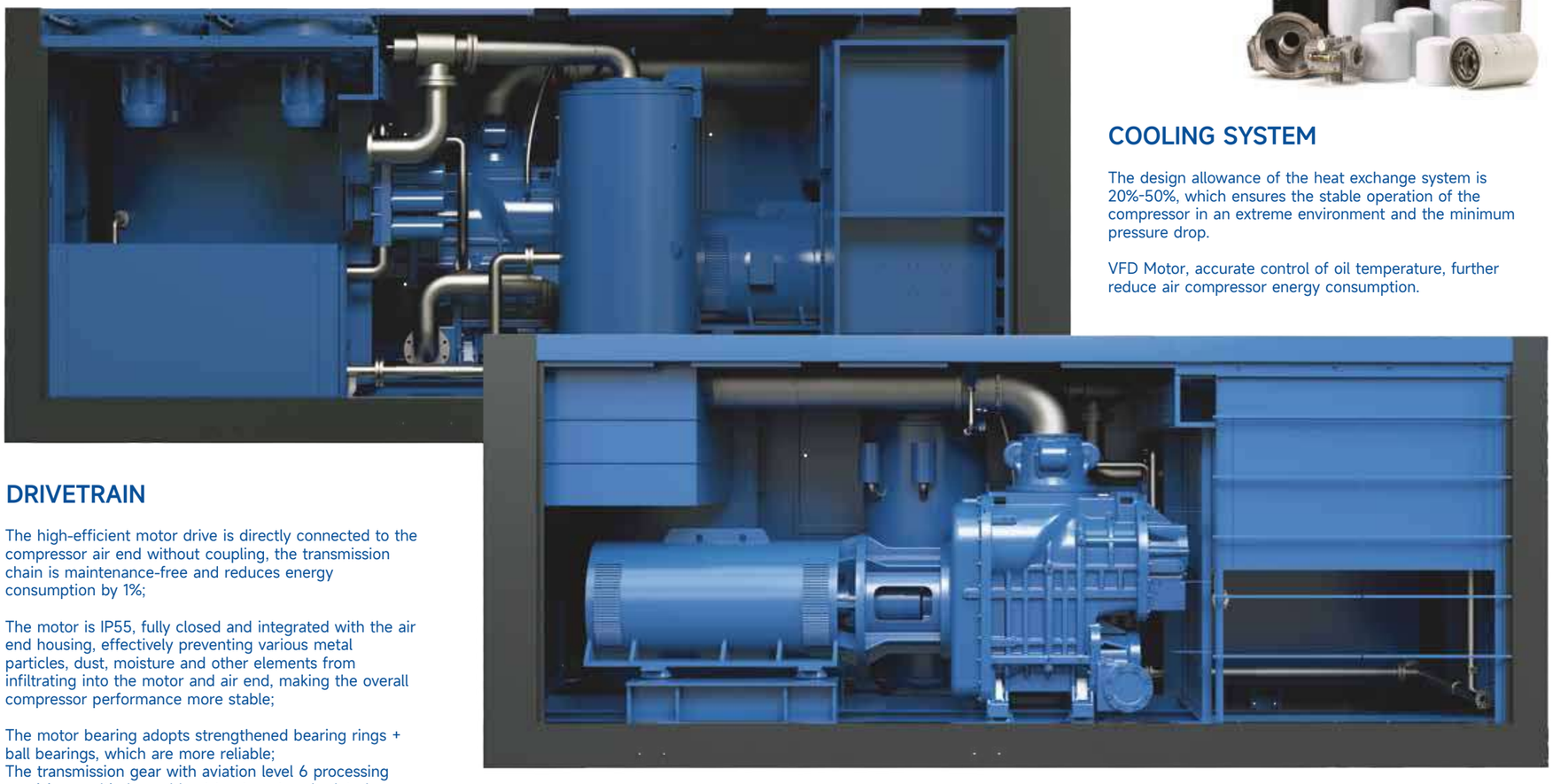
Oil-lubricated Screw Series

CABINET STRUCTURE DESIGN

The cabinet structure is divided into cooling and heating chambers which means better heat dissipation. All the functional components are located in the cooling chamber to extend service life.

The rational layout design is patented that integrates the electrical mechanism, making it easy to install and operate without foundation on the site. Inside, the cooling and heating chambers do not affect each other and expand the internal space of the cabinet. The optimized internal air circulation ensures comprehensive cooling of all functional components, extending their service lives. On the outside, the closed type removable cabinet with built-in high-quality fire retardant and sound insulation sponges reduces noises effectively.

This structure design meets the environmental protection requirements and is easy to service.



DRIVETRAIN

The high-efficient motor drive is directly connected to the compressor air end without coupling, the transmission chain is maintenance-free and reduces energy consumption by 1%;

The motor is IP55, fully closed and integrated with the air end housing, effectively preventing various metal particles, dust, moisture and other elements from infiltrating into the motor and air end, making the overall compressor performance more stable;

The motor bearing adopts strengthened bearing rings + ball bearings, which are more reliable;
The transmission gear with aviation level 6 processing precision, multi-channel heat treatment and related processing technology ensure the superior surface hardness, ultra-high wear resistance and enhances the strength of all gears;

An Independent oil supply system and precise oil filtration effectively ensure the stability and reliability of the entire transmission under the long time operation of full load.

NEW TEMPERATURE CONTROL FILTER COMBINATION VALVES

The patent designed temperature control filter combination valves integrate the new filter and temperature control value, so as to make the connection line in the machine more concise, reduce the leakage point, reduce the occurrence rate of fault, and more reduce the pressure drop, more energy-saving, solving the problems such as tube shatter crack and leakage during the split installation of the original filter base and temperature control value.

COOLING SYSTEM

The design allowance of the heat exchange system is 20%-50%, which ensures the stable operation of the compressor in an extreme environment and the minimum pressure drop.

VFD Motor, accurate control of oil temperature, further reduce air compressor energy consumption.

INTAKE AND FILTRATION SYSTEMS

Prefilter Protective Layer:
> Prevent large dust particles, cotton and other sundries from entering the air compressor.
> Keep the compressor internal clean.
> Strictly observe the first pass of compressed air.

High-Efficiency Particulate Air (HEPA):
> High-quality, heavy-duty air filtration system provided by Donaldson, USA. With filtration accuracy of up to 99.9% for particles greater than 3μm, suitable for heavy dust environments.

Double Large Diameter Intake Assembly Design:
> The total pressure difference of the air path is less than 0.2bar, greatly extending the service life of air filtration.

The Optimised Design Of Large Diameter Air Inlet Valve:
> low energy consumption in no-load operation, cast aluminium material, more stable performance.
The Optimised Design Of Intake Pipe:
> high strength rubber material, good sealing performance, firm and durable.

Oil filter:
> Donaldson oil filters, high grade of clean filtration, effectively protect the safe operation of the air end bearing and extend the service life of the air end.

Oil And Air Separation System:
> European design efficient oil and air separation core. Glass fibre filter material features long life, is more efficient, and does not need frequent replacement. The combination of the separation core and the oil return device works together to enhance the high recovery rate of the lubricating oil cycle, effectively avoiding the phenomenon of flying oil and ensuring the oil content of the machine exhaust is ≤2ppm.

Professional Lubricating Oil:
> UCS cooling oil has good oxidation resistance, high-temperature resistance, high flash point, excellent thermal conductivity and many other characteristics.

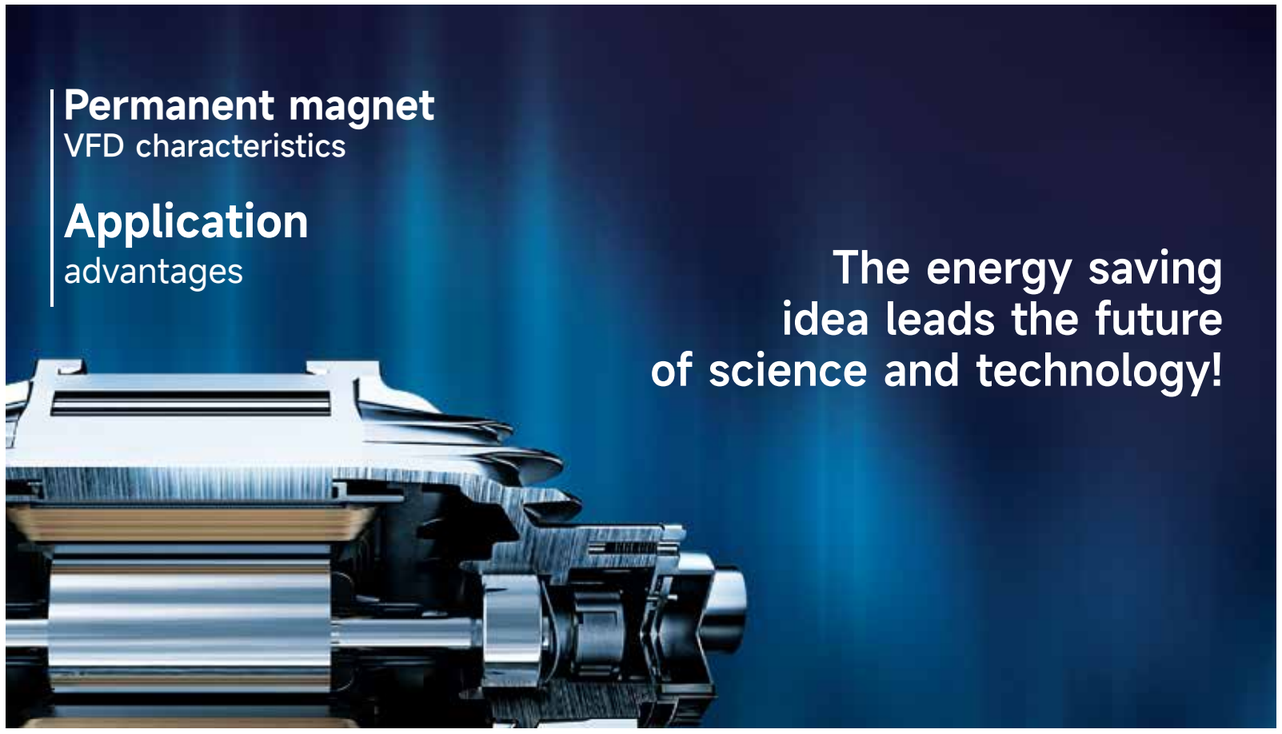
HIGH-EFFICIENCY HEAVEY-DUTY AIR END

The air compression industry recognises UCS air end with its sophisticated design and precision manufacturing.

By adopting a large diameter and the balanced length-diameter ratio of the screw rotors, the optimised design based on the new 4th generation rotor profile lining is subjected to higher efficiency so that the contact surface, contact line, leak triangle and hydrodynamic characteristics of rotors could reach the optimal performance, further improved the volume efficiency. This screw rotor then has high adiabatic efficiency and low power consumption.

By using imported heavy-duty bearing and unique bearing layout while ensuring the bearing rigidity, the bearing capacity is much improved, service life lengthened, and its high reliability could keep even under extreme conditions.

The lip type shaft seal of the spiral groove fits with the shaft sleeve made of high-grade bearing steel, ensuring the wear resistance of the shaft seal and shaft sleeve. The shaft seal has a pumping function with high reliability and leakage resistance.

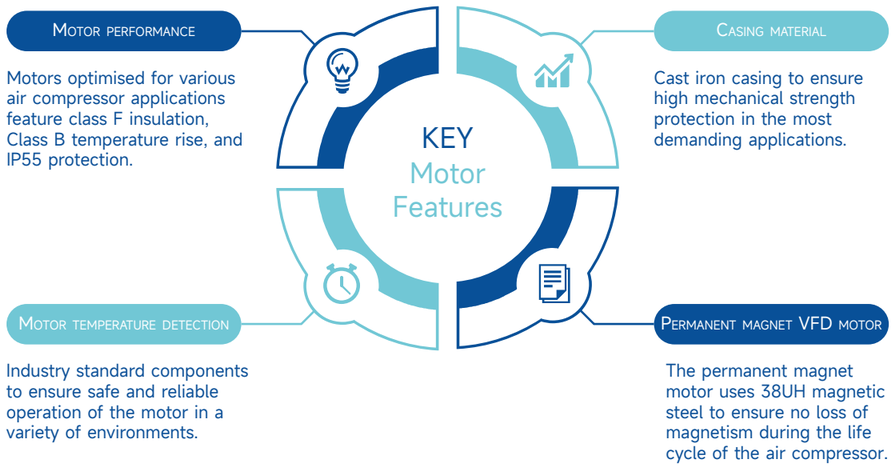


Features of permanent magnet motor

> The motor efficiency is up to 96%, and the power factor is 0.99, far exceeding the level 1 energy efficiency standard;
> High coerced, and high temperature resistant permanent magnets are adopted to ensure no demagnetization at 180°C;
> Independent fan-forced cooling to ensure the motor's long time low-frequency safe operation;
> F grade insulation, 70K temperature rise design, adapt to the high-temperature working condition of air compressor;
> Fully enclosed IP55 protection class can protect the clean internal environment of the motor and extend the life of permanent magnet and insulation;
> Built-in temperature protection to protect winding insulator and permanent magnet.

Features of permanent magnet VFD air compressor

> Ultra-low temperature rise design to allow stable compressor operation under low frequency;
> Open-loop vector control system, faster control speed, more accurate rate;
> When the frequency is reduced by more than 50%, the compressor unit can still run efficiently;
> Stable pressure, pressure fluctuation is precisely controlled within 0.01mpa;
> Soft start feature, to avoid start current impact, reduce start energy consumption.



Motor performance

Motors optimised for various air compressor applications feature class F insulation, Class B temperature rise, and IP55 protection.

Casing material

Cast iron casing to ensure high mechanical strength protection in the most demanding applications.

Motor temperature detection

Industry standard components to ensure safe and reliable operation of the motor in a variety of environments.

Permanent magnet VFD motor

The permanent magnet motor uses 38UH magnetic steel to ensure no loss of magnetism during the life cycle of the air compressor.

Electrical System

New Generation Of Intelligent Controller

> PLC+touch screen;
> Full-colour LCD touch screen, friendly human-machine interface;
> 24 hours full-time monitoring operation status;
> Intelligent operation;
> Standard with USB, COM interface, with upgradable function.

Internet Of Things Module

> At any time and anywhere, monitor the air compressor maintenance, remote monitoring machine operation;
> At any time, deploy production operation, data collection, for energy-saving management.

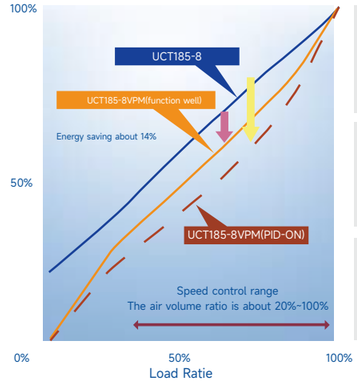
High Quality Electrical Components

> SIEMENS electronic components;
> Large capacity, wide width selection;
> Applicable to all climatic conditions.

Modular variable frequency drive

> Large redundant heat design, more stable operation and longer equipment life under severe service environment;
> Transient stop no stop, over-excitation protection and many other excellent functions to deal with various emergencies;
> Built-in PLC and a variety of communication interfaces, more convenient to use and maintain;
> Wide speed regulation range, high stability accuracy, achieve ultra-low speed 0.01Hz stable operation with a load.

Energy Consumption Ratio



VFD TO ENERGY-SAVING

The exhaust pressure is reduced, and power consumption is reduced by controlling the variation range of exhaust pressure to about 0.01mpa. The two-stage compression load is 60%, and the seasonal capacity is about 14%.

A

FUZZY PID CONTROL

The unique Fuzzy PID function for stabilising the terminal pressure is used to further energy saving. Energy-saving by 25% when a two-stage compression load rate of 60%.

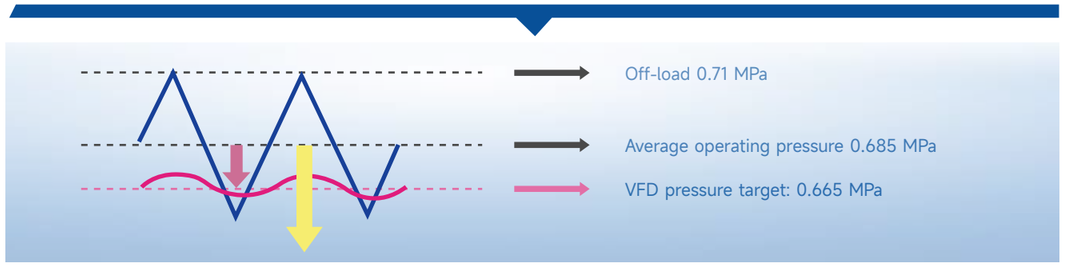
B

WIDE SPEED CONTROL RANGE

The speed control in the air volume ratio ranges from 20% to100%.

Average operating pressure drops ▷ Power consumptio drops

C



UNITED
COMPRESSOR SYSTEMS

ONE-STAGE SCREW
AIR COMPRESSOR

UD-VPM 5.5-55kW 0.7-1.0MPa

Permanent Magnet Variable-Speed

■ UD-VPM Series One-stage Compression Technical Parameters

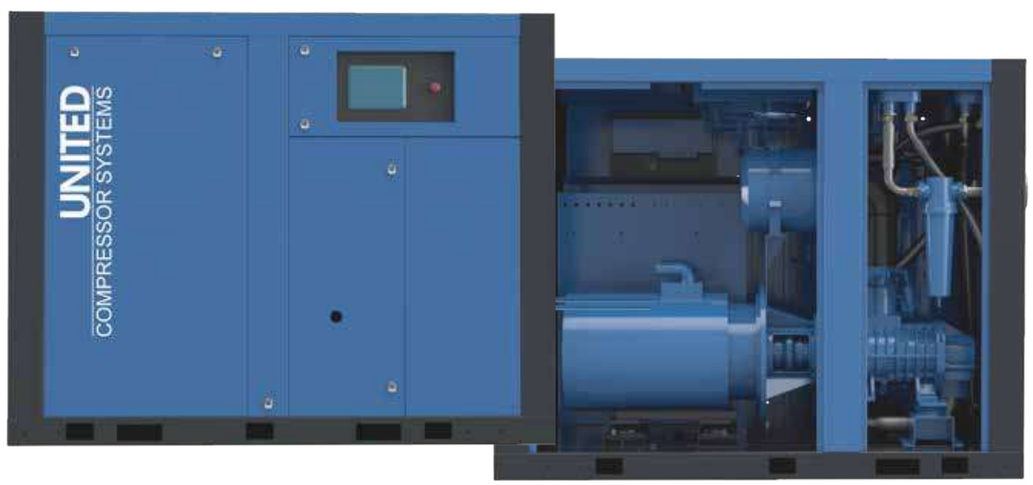
Model	Nominal Power (kW)	Working Pressure (MPa)	FAD (m³/min)	Discharge Outlet GBT7306 (screw thread)	Gross Weight (kg)	Profile Dimension (L x W x H mm)
UD5A-7VPM	5.5	0.7	0.90	G3/4	230	860×660×1010
UD5A-8VPM		0.8	0.85			
UD8A-7VPM	7.5	0.7	1.10	G3/4	230	860×660×1010
UD8A-8VPM		0.8	1.05			
UD11A-7VPM	11	0.7	1.76	G1	310	940×715×1120
UD11A-8VPM		0.8	1.72			
UD11A-10VPM		1.0	1.50			
UD15A-7VPM	15	0.7	2.45	G1	330	940×715×1120
UD15A-8VPM		0.8	2.40			
UD15A-10VPM		1.0	2.00			
UD18A-7VPM	18.5	0.7	3.20	G1-1/4	410	1010×750×1220
UD18A-8VPM		0.8	3.10			
UD18A-10VPM		1.0	2.70			
UD22A-7VPM	22	0.7	3.63	G1-1/4	410	1010×750×1220
UD22A-8VPM		0.8	3.58			
UD22A-10VPM		1.0	3.26			
UD30A-7VPM	30	0.7	5.30	G1-1/2	580	1120×940×1330
UD30A-8VPM		0.8	5.20			
UD30A-10VPM		1.0	4.60			
UD37A-7VPM	37	0.7	6.70	G1-1/2	580	1120×940×1330
UD37A-8VPM		0.8	6.60			
UD37A-10VPM		1.0	5.90			
UD45A-7VPM	45	0.7	8.00	G2	890	1310×1160×1620
UD45A-8VPM		0.8	7.90			
UD45A-10VPM		1.0	6.70			
UD55A-7VPM	55	0.7	10.30	G2	910	1310×1160×1620
UD55A-8VPM		0.8	10.20			
UD55A-10VPM		1.0	9.10			

Remarks

1. The volumetric flow test standard: GB/T 3853-2017, GB/T 15487-2015;
2. The noise test standard: GB/T 4980-2003 "DETERMINATION OF THE POSITIVE DISPLACEMENT COMPRESSOR NOISE";
3. The rated motor power is based on below 1000m altitude; Volumetric air flow based on elevation below 400m.

UD-VFD 75-355kW 0.7-1.0MPa

Variable-Speed



UD-VFD Series One-stage Compression Technical Parameters

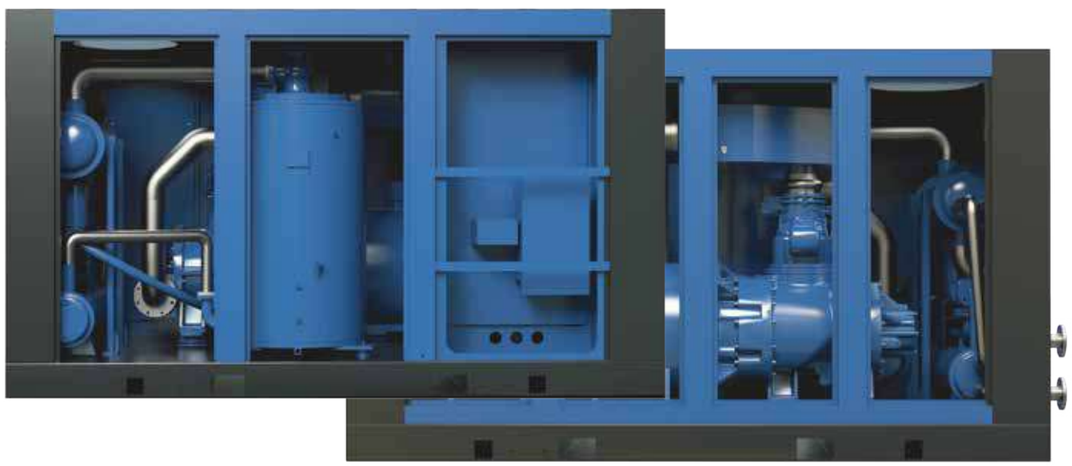
Model	Nominal Power (kW)	Working Pressure (MPa)	FAD (m^3/min)	Discharge Outlet GBT9119(flange)	Gross Weight (kg)	Profile Dimension (L x W x H mm)
UD75-7CVFD	75	0.7	11.80	DN50	2000	2200×1300×1750(A)
UD75-8CVFD		0.8	11.60			
UD75-10CVFD		1.0	11.40			
UD90-7DVFD	90	0.7	16.70	DN50	2200	2200×1300×1750(A) 2200×1300×1750(W)
UD90-8DVFD		0.8	16.00			
UD90-10DVFD		1.0	14.80			
UD200-7VFD	200	0.7	40.00	DN100	5200 4900	3900×1850×2150(A) 3350×1850×2150(W)
UD200-8VFD		0.8	39.00			
UD200-10VFD		1.0	35.00			
UD250-7VFD	250	0.7	47.50	DN125	6800 6400	4200×2150×2250(A) 3400×2150×2250(W)
UD250-8VFD		0.8	46.70			
UD250-10VFD		1.0	42.00			
UD280-7VFD	280	0.7	53.00	DN125	7350 7000	4200×2150×2250(A) 3400×2150×2250(W)
UD280-8VFD		0.8	52.00			
UD280-10VFD		1.0	46.70			
UD315-7VFD	315	0.7	59.70	DN125	8600 7800	5000×2150×2300(A) 3850×2150×2250(W)
UD315-8VFD		0.8	56.70			
UD315-10VFD		1.0	50.20			
UD355-7VFD	355	0.7	70.30	DN125	8800 8000	5000×2150×2300(A) 3850×2150×2250(W)
UD355-8VFD		0.8	65.50			
UD355-10VFD		1.0	55.20			

Remarks

1. A for Air-cooling; W for Water-cooling
2. Power supply: 380V/50Hz
3. For technical data, please contact your sales engineer.

UD 75-400kW 0.7-1.0MPa

Fixed-Speed



■ UD Series One-stage Compression Technical Parameters

Model	Nominal Power (kW)	Working Pressure (MPa)	FAD (m^3/min)	Outlet Dimension GBT9119(flange)	Weight (kg)	Profile Dimension (L x W x H mm)
UD75-7C UD75-8C UD75-10C	75	0.7 0.8 1.0	11.80 11.60 11.40	DN50	1870	2100x1350x1550(A)
UD90-7D UD90-8D UD90-10D	90	0.7 0.8 1.0	16.70 16.00 14.80	DN50	2140	2200x1300x1750(A) 2200x1300x1750(W)
UD200-7 UD200-8 UD200-10	200	0.7 0.8 1.0	40.00 39.00 35.00	DN100	4900 4600	3600x1850x2150(A) 3050x1850x2150(W)
UD250-7 UD250-8 UD250-10	250	0.7 0.8 1.0	47.50 46.70 42.00	DN125	6600 6200	4200x2150x2250(A) 3400x2150x2250(W)
UD280-7 UD280-8 UD280-10	280	0.7 0.8 1.0	53.00 52.00 46.70	DN125	7150 6800	4200x2150x2250(A) 3400x2150x2250(W)
UD315-7 UD315-8 UD315-10	315	0.7 0.8 1.0	59.70 56.70 50.20	DN125	8400 7600	5000x2150x2300(A) 3850x2150x2250(W)
UD355-7 UD355-8 UD355-10	355	0.7 0.8 1.0	70.30 65.50 55.2	DN125	8600 7800	5000x2150x2300(A) 3850x2150x2250(W)
UD400-8 UD400-10	400	0.8 1.0	72.30 62.80	DN125	8800 8000	5000x2150x2300(A) 3850x2150x2250(W)

UD-VPM 37-250kW 0.2-0.4MPa

Low-Pressure Permanent Magnet Variable-Speed

■ UD-VPM Low-Pressure Series One-stage Compression Technical Parameters

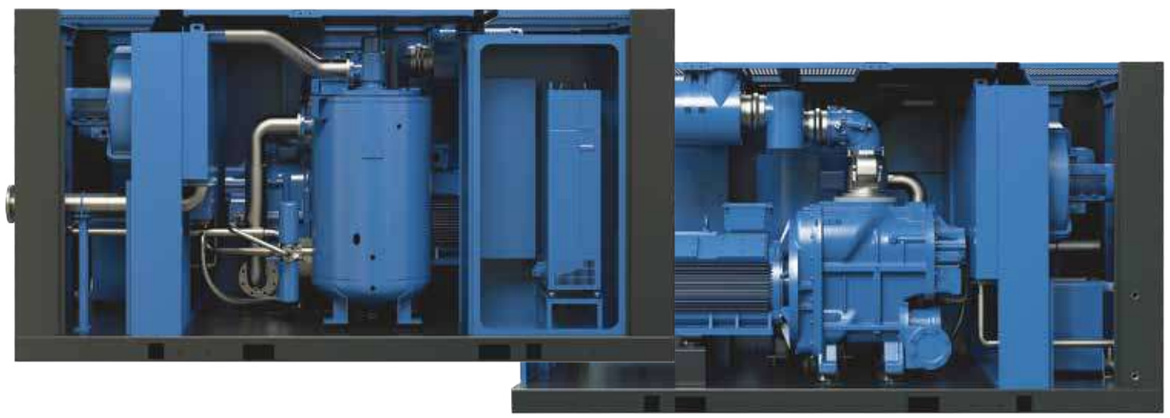
Model	Nominal Power (kW)	Working Pressure (MPa)	Work pressure/ maximum work pressure (MPa)	FAD (m^3/min)	Outlet Dimension GBT9119(flange)	Weight (kg)	Profile Dimension (L x W x H mm)
UD37A-2VPM	37	0.2	0.12-0.23	14.0	DN125	2400	2600x1460x2080
UD45A-2VPM	45	0.2	0.12-0.23	17.0	DN125	2400	2600x1460x2080
UD45A-3VPM		0.3	0.23-0.33	14.0	DN125	2400	2600x1460x2080
UD55A-2VPM	55	0.2	0.12-0.23	21.5	DN150	4000	3200x1850x2150
UD55A-3VPM		0.3	0.23-0.33	17.0	DN125	2600	2600x1460x2080
UD55A-4VPM		0.4	0.33-0.42	14.0	DN125	2600	2600x1460x2080
UD75A-2VPM	75	0.2	0.15-0.23	27.0	DN125	3200	2500x1650x2300
UD75A-3VPM		0.3	0.23-0.33	21.5	DN125	2800	2600x1460x2080
UD90A-2VPM	90	0.2	0.15-0.23	32.0	DN125	3200	2500x1650x2300
UD90A-3VPM		0.3	0.23-0.33	27.0	DN125	3200	2500x1650x2300
UD90A-4VPM		0.4	0.33-0.42	24.5	DN125	3200	2500x1650x2300
UD110A-2VPM	110	0.2	0.12-0.23	40.0	DN150	4500	3200x1850x2300
UD110A-3VPM		0.3	0.23-0.33	32.0	DN125	3200	2500x1650x2300
UD110A-4VPM		0.4	0.33-0.42	29.5	DN125	3200	2500x1650x2300
UD132A-2VPM	132	0.2	0.12-0.23	47.0	DN150	4500	3200x1850x2300
UD132A-3VPM		0.3	0.23-0.33	40.0			
UD160A-2VPM	160	0.2	0.12-0.23	55.7	DN300	6900	4200x2150x2300
UD160A-3VPM		0.3	0.23-0.33	47.0	DN150	4500	3200x1850x2300
UD160A-4VPM		0.4	0.33-0.42	40.0	DN150	4500	3200x1850x2300
UD160W-3VPM	160	0.3	0.23-0.33	47.0	DN250	6900	4200x2150x2300
UD185A-4VPM	185	0.4	0.33-0.42	47.0	DN150	4500	3200x1850x2300
UD200A-3VPM	200	0.3	0.23-0.33	55.7	DN250	7100	4400x2150x2300
UD200W-3VPM							4200x2150x2300
UD220A-3VPM	220	0.3	0.23-0.33	61.0	DN250	7100	4400x2150x2300
UD220W-3VPM							4200x2150x2300
UD250A-3VPM	250	0.3	0.25-0.35	70.0	DN250	6500	4380x2400x2780
UD250W-3VPM	250	0.3	0.23-0.33	70.0	DN250	7200	4200x2150x2300

UNITED
COMPRESSOR SYSTEMS

TWO-STAGE SCREW
AIR COMPRESSOR

UDT-VPM 55-315kW 0.7-1.0MPa

Permanent Magnet
Variable-Speed

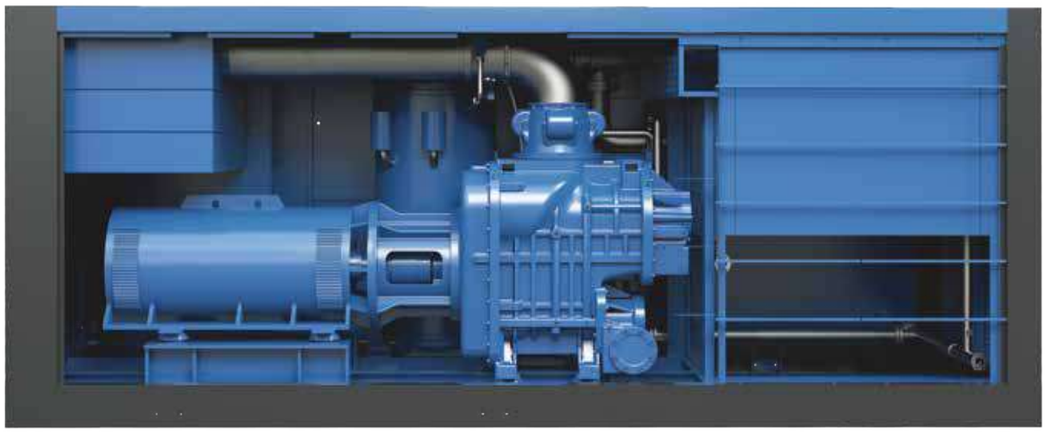


■ UDT-VPM Series Two-stage Compression Technical Parameters

Model	Nominal Power (kW)	Working Pressure (MPa)	FAD (m^3/min)	Outlet Dimension GBT9119(flange)	Weight (kg)	Profile Dimension (L x W x H mm)
UDT55-7VPM UDT55-8VPM	55	0.7 0.8	12.0 11.0	DN80	2430	2300x1290x1820(A)
UDT75-7VPM UDT75-8VPM UDT75-10VPM	75	0.7 0.8 1.0	15.2 15.2 13.3	DN80	2450	2300x1290x1820(A)
UDT90-7VPM UDT90-8VPM	90	0.7 0.8	20.5 19.5	DN80	3080 3550	2600x1700x2090(A) 3000x1850x2120(W)
UDT90-10VPM	90	1.0	15.2	DN80	2460	2300x1290x1820(A)
UDT110-7VPM UDT110-8VPM UDT110-10VPM	110	0.7 0.8 1.0	24.5 23.4 20.3	DN80	3100 3980	2600x1700x2090(A) 3000x1850x2120(W)
UDT132-7VPM UDT132-8VPM UDT132-10VPM	132	0.7 0.8 1.0	29.5 27.0 23.0	DN80	4280 4080	3200x1850x2120(A) 3000x1850x2120(W)
UDT160-7VPM UDT160-8VPM UDT160-10VPM	160	0.7 0.8 1.0	34.0 33.0 27.0	DN80	4400 4200	3200x1850x2120(A) 3000x1850x2120(W)
UDT185-7VPM UDT185-8VPM UDT185-10VPM	185	0.7 0.8 1.0	39.0 38.0 32.5	DN100	5560 5260	3900x1850x2150(A) 3350x1850x2150(W)
UDT200-7VPM UDT200-8VPM	200	0.7 0.8	43.5 41.0	DN125	7710 7360	4200x2150x2250(A) 3400x2150x2250(W)
UDT220-7VPM UDT220-8VPM UDT220-10VPM	220	0.7 0.8 1.0	50.0 46.0 41.0	DN125	8100 7700	4200x2150x2250(A) 3400x2150x2250(W)
UDT250-7VPM UDT250-8VPM UDT250-10VPM	250	0.7 0.8 1.0	53.0 50.0 46.0	DN125	8500 8150	4200x2150x2250(A) 3400x2150x2250(W)
UDT280-7VPM UDT280-8VPM UDT280-10VPM	280	0.7 0.8 1.0	59.0 56.0 50.0	DN125	8550 8200	4200x2150x2250(A) 3400x2150x2250(W)
UDT315-7VPM UDT315-8VPM UDT315-10VPM	315	0.7 0.8 1.0	65.0 61.0 53.0	DN125	10000 9120	5000x2150x2300(A) 3850x2150x2300(W)
UDT355-8VPM	355	0.8	77.3	DN150	9000	4650x2150x2450(W)
UDT400-7VPM UDT400-8VPM UDT400-10VPM	400	0.7 0.8 1.0	84.0 84.0 76.0	DN150	9000	4650x2150x2450(W)
UDT450-7VPM UDT450-8VPM UDT450-10VPM	450	0.7 0.8 1.0	93.0 93.0 85.0	DN150	9100	4650x2150x2450(W)
UDT500-7VPM UDT500-8VPM UDT500-10VPM	500	0.7 0.8 1.0	103.0 103.0 92.0	DN150	9200	4650x2150x2450(W)
UDT560-10VPM	560	1.0	102.8	DN150	9200	4650x2150x2450(W)

UDT 55-560kW 0.7-1.0MPa

Fixed-Speed



■ UDT Series Two-stage Compression Technical Parameters

Model	Nominal Power (kW)	Working Pressure (MPa)	FAD (m^3/min)	Outlet Dimension GBT9119(flange)	Weight (kg)	Profile Dimension (L x W x H mm)
UDT55-7 UDT55-8	55	0.7 0.8	12.0 11.0	DN80	2520	2300x1290x1820(A)
UDT75-7 UDT75-8 UDT75-10	75	0.7 0.8 1.0	15.2 15.2 13.3	DN80	2530	2300x1290x1820(A)
UDT90-7 UDT90-8 UDT90-10	90	0.7 0.8 1.0	20.5 19.5 15.2	DN80	3640 3500 2530	2600x1700x2090(A) 2850x1850x2120(W) 2300x1290x1820(A)
UDT110-7 UDT110-8 UDT110-10	110	0.7 0.8 1.0	24.5 23.4 20.3	DN80	3640 3900	2600x1700x2090(A) 2850x1850x2120(W)
UDT132-7 UDT132-8 UDT132-10	132	0.7 0.8 1.0	29.5 27.0 23.0	DN80	4200 4000	3050x1850x2120(A) 2850x1850x2120(W)
UDT160-7 UDT160-8 UDT160-10	160	0.7 0.8 1.0	34.0 33.0 27.0	DN80	4400 4200	3050x1850x2120(A) 2850x1850x2120(W)
UDT185-7 UDT185-8 UDT185-10	185	0.7 0.8 1.0	39.0 38.0 32.5	DN100	5600 5300	3600x1850x2150(A) 3050x1850x2150(W)
UDT200-7 UDT200-8	200	0.7 0.8	43.5 41.0	DN125	7350 6800	4200x2150x2250(A) 3400x2150x2250(W)
UDT220-7 UDT220-8 UDT220-10	220	0.7 0.8 1.0	50.0 46.0 41.0	DN125	7450 6900	4200x2150x2250(A) 3400x2150x2250(W)
UDT250-7 UDT250-8 UDT250-10	250	0.7 0.8 1.0	53.0 50.0 46.0	DN125	7550 7000	4200x2150x2250(A) 3400x2150x2250(W)
UDT280-7 UDT280-8 UDT280-10	280	0.7 0.8 1.0	59.0 56.0 50.0	DN125	8550 8200	4200x2150x2250(A) 3400x2150x2250(W)
UDT315-7 UDT315-8 UDT315-10	315	0.7 0.8 1.0	65.0 61.0 53.0	DN125	10000 9120	5000x2150x2300(A) 3850x2150x2300(W)
UDT355-7.5 UDT355-8.5 UDT355-10.5	355	0.75 0.85 1.05	69.5 69.5 61.0	DN150	11200 9200	5000x2150x2300(A) 3850x2150x2300(W)
UDT355-7 UDT355-8 UDT355-10	355	0.7 0.8 1.0	78.6 77.3 67.7	DN150	11100 12000	6000x2150x2450(A) 4650x2150x2450(W)
UDT400-7 UDT400-8 UDT400-10	400	0.7 0.8 1.0	84.0 84.0 76.0	DN150	11700 10700	6000x2150x2450(A) 4650x2150x2450(W)
UDT450-7 UDT450-8 UDT450-10	450	0.7 0.8 1.0	93.0 93.0 85.0	DN150	11700 10700	6000x2150x2450(A) 4650x2150x2450(W)
UDT500-7 UDT500-8 UDT500-10	500	0.7 0.8 1.0	103.0 103.0 92.0	DN150	11900 10700	6000x2150x2450(A) 4650x2150x2450(W)
UDT560-10	560	1.0	102.8	DN150	11900 10900	6000x2150x2450(A) 4650x2150x2450(W)

UDT-VPM 75-220kW 0.45-0.5MPa

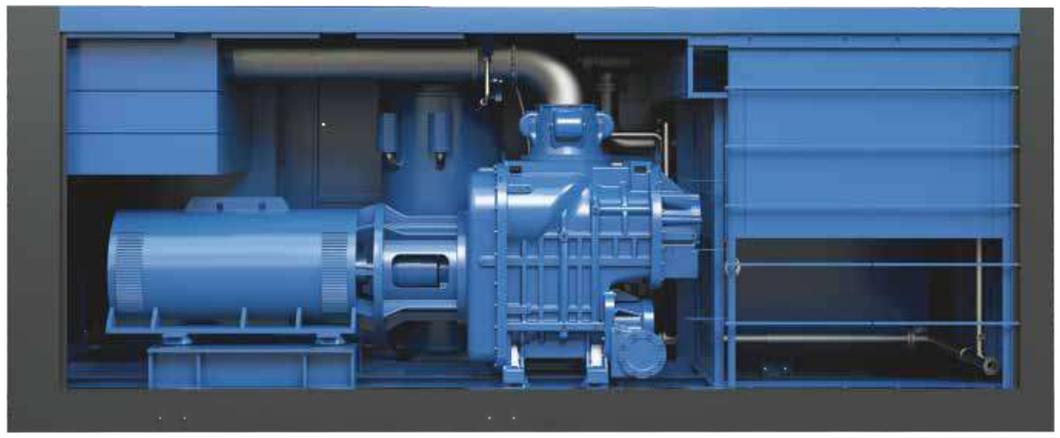
Low-Pressure Permanent Magnet Variable-Speed

■ UDT-VPM Low-Pressure Series Two-stage Compression Technical Parameters

Model	Nominal Power (kW)	Working Pressure (MPa)	FAD (m^3/min)	Outlet Dimension GBT9119(flange)	Weight (kg)	Profile Dimension (L x W x H mm)
UDT75-5VPM	75	0.5	20.0	DN80	3080	2600x1700x2090(A)
UDT90-5VPM	90	0.5	22.5	DN80	3800 3600	3200x1850x2120(A) 3050x1850x2120(W)
UDT110-5VPM	110	0.5	27.5	DN125	4230 4080	3200x2050x2120(A) 3000x1850x2120(W)
UDT132-5VPM	132	0.5	32.5	DN125	4300 4100	3200x2050x2120(A) 3000x1850x2120(W)
UDT160-5VPM	160	0.5	41.0	DN125	6300 5600	3850x2150x2150(A) 3400x2150x2250(W)
UDT200-5VPM	200	0.5	50.0	DN150	8060 7760	4200x2150x2250(A) 3400x2150x2250(W)
UDT220-5VPM	220	0.5	56.0	DN150PN16	8060 7860	4200x2150x2250(A) 3400x2150x2250(W)
UDT250-5VPM	250	0.5	59.0	DN150	8200 8000	4200x2150x2250(A) 3400x2150x2250(W)
UDT90-4.5VPM	90	0.45	22.5	DN80	3800 3600	3200x1850x2120(A) 3050x1850x2120(W)
UDT110-4.5VPM	110	0.45	27.0	DN125	4230 4080	3200x2050x2120(A) 3000x1850x2120(W)
UDT132-4.5VPM	132	0.45	34.0	DN125	4300 4100	3200x2050x2120(A) 3000x1850x2120(W)
UDT185-4.5VPM	180	0.45	50.0	DN125	8000 7600	4200x2150x2250(A) 3400x2150x2120(W)
UDT200-4.5VPM	200	0.45	53.0	DN150	8060 7760	4200x2150x2250(A) 3400x2150x2250(W)
UDT220-4.5VPM	220	0.45	59.0	DN150	8060 7760	4200x2150x2250(A) 3400x2150x2250(W)

UDT 75-220kW 0.45-0.5MPa

Low-Pressure Fixed-Speed



■ UDT Low-pressure Series Two-stage Compression Technical Parameters

Model	Nominal Power (kW)	Working Pressure (MPa)	FAD (m^3/min)	Outlet Dimension GBT7306(screw thread) GBT9119(flange)	Weight (kg)	Profile Dimension (L x W x H mm)
UDT75-5	75	0.5	20.0	DN80	3640	2600x1700x2090(A)
UDT90-5	90	0.5	22.5	DN80	3750 3550	3050x1850x2120(A) 2850x1850x2120(W)
UDT110-5	110	0.5	27.5	DN125	4150 4000	3200x2050x2120(A) 3000x1850x2120(W)
UDT132-5	132	0.5	32.5	DN125	4250 4050	3200x2050x2120(A) 3000x1850x2120(W)
UDT160-5	160	0.5	41.0	DN125	6000 5800	3850x2150x2150(A) 3400x2150x2250(W)
UDT200-5	200	0.5	50.0	DN150	7750 7450	4200x2150x2250(A) 3400x2510x2250(W)
UDT220-5	220	0.5	56.0	DN150	7850 7650	4200x2150x2250(A) 3400x2150x2250(W)
UDT250-5	250	0.5	59.0	DN150	8000 7800	4200x2150x2250(A) 3400x2150x2250(W)
UDT90-4.5	90	0.45	22.5	DN80	3750 3550	3050x1850x2120(A) 2850x1850x2250(W)
UDT110-4.5	110	0.45	27.0	DN125	4150 4000	3200x2050x2120(A) 3000x1850x2120(W)
UDT132-4.5	132	0.45	34.0	DN125	4150 4000	3200x2050x2120(A) 3000x1850x2120(W)
UDT185-4.5	180	0.45	50.0	DN125	7600 7250	4200x2150x2250(A) 3400x2150x2120(W)
UDT200-4.5	200	0.45	53.0	DN150	7600 7250	4200x2150x2250(A) 3400x2150x2250(W)
UDT220-4.5	220	0.45	59.0	DN150	7850 7450	4200x2150x2250(A) 3400x2150x2250(W)

AFTER SERVICE

'BE OF SERVICE' ATTITUDE

- LEARN CUSTOMER'S NEEDS
- CAREFULLY DIAGNOSE FAULTS
- TROUBLESHOOTING BY HEART