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ORIGINAL PART

V202608

Innovation

We prioritize innovation as the driving force behind our operations. Constantly exploring new ideas and technologies, we strive to bring forth inventive solutions that address our customers' evolving needs. Through a culture of curiosity and experimentation, we push boundaries to unlock new possibilities and drive progress in the compressed air industry.

Efficient

Efficiency is fundamental to our approach. We are dedicated to delivering streamlined and cost-effective solutions that optimize performance and add value for our customers. By continuously refining our processes and embracing agile methodologies, we ensure that every interaction with our brand is efficient and productive.

One-Stop Service

We are committed to providing comprehensive, all-in-one solutions for our customers' compressed air requirements. From initial consultation to ongoing support, we offer a seamless and integrated service experience. By consolidating expertise and resources under one roof, we simplify the customer journey and empower them to achieve their goals with ease.

Liuzhou Tech Machinery Co., Ltd. reserves the right to change or revise specifications and product design in connection with any features of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions, or replacements for equipment previously sold or shipped.
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LIUTECH



INNOVATION · EFFICIENCY · ONE-STOP SERVICE

WE TAKE CARE OF YOUR COMPRESSED AIR

WE TAKE CARE OF YOUR
COMPRESSED AIR

LIUTECH PORTABLE COMPRESSOR
33-570 kW



liutechportable.com.cn

LIUTECH



LIUTECH

We return reliable products and quality services to our customers

INNOVATION EFFICIENCY
WE TAKE CARE OF YOUR COMPRESSED AIR
ONE-STOP SERVICE

Liuzhou Tech Machinery Co., Ltd. was established in 1994 and is based in Liuzhou, joining the Atlas Copco Group in 2002 as a subsidiary company. We provide “Liutech” brand air compressors to customers all over the world.

Liutech holds ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007 certificates for the Quality, Environmental and Occupational Health & Safety Management System.

Liutech products are manufactured with advanced technology from Europe, focus on customer needs in China and other export countries, and meet the requirements of different applications. As a company that pioneered the screw air compressor production license, Liutech commits to the brand promise, “We take care of your compressed air”, and develops more air solutions for customers.



Outstanding Performance, Easy Maintenance and User-Friendly Electric-Driven Portable Compressor

HEAVY-DUTY MOTOR

- Compliant with IEC standards. An IP54 or higher motor protection rating ensures reliable operation under dusty and continuous-duty conditions.



INTELLIGENT CONTROL SYSTEM

- LCD controller with multilingual support, high stability and comprehensive machine monitoring enables unattended operation.
- Multiple units can be integrated for coordinated control, optimizing air supply, reducing energy consumption and minimizing system pressure fluctuations.



HIGH-EFFICIENCY AIR FILTER

- Three-stage air filtration system prevents the majority of dust and liquid contaminants from entering the airend, significantly extending airend service life.



EASY TRANSPORTATION

- Integrated vibration-damping design combined with a well-engineered running gear system.
- Enables easy movement and transportation across job sites.



EXCELLENT COOLING PERFORMANCE

- Equipped with premium-brand cooling fans to ensure reliable operation in high-temperature environments.
- Aluminum plate-fin coolers provide low weight and high heat-exchange efficiency.
- Maximum ambient operating temperature: 50°C.



HIGH-ELASTIC COUPLING

- The plum-type elastic coupling effectively minimizes vibration transmission and improves equipment reliability.



OTHER FEATURES

- Low energy consumption and operating costs.
- Low noise level.
- Spacious internal layout for easy maintenance.

ADVANCED AIREND MANUFACTURING TECHNOLOGY

- Asymmetric rotors and precision-machined rotating components ensure high compression efficiency while minimizing wear, extending airend service life.
- Precision-ground rotor profiles provide higher machining accuracy, significantly reducing shock and vibration while extending the service life of rotating components.
- Optimized tip speed for enhanced performance.



OPTIONS

- Air pre-filter
- Cold-start synthetic oil
- Soft starter
- Variable Frequency Drive (VFD)
- ON/OFF control
- Aftercooler

INFRASTRUCTURE CONSTRUCTION, SITE DEVELOPMENT

Application:

Liutech electric-driven portable compressors are widely used in road construction, railway projects, municipal engineering and site development applications. They provide compressed air for pneumatic equipment such as rock drills, pneumatic breakers and shotcreting equipment, and are suitable for site preparation, foundation treatment, slope stabilization and construction blow-off operations.

- Recommended models: LUY130D-7, LUY130D-10, LUY170D-18, LUY210D-12, LUY270D-17
- Free air delivery: 13-27 m^3/min
- Working pressure: 7-18 bar



UTILITIES, SANDBLASTING

Application:

Liutech electric-driven portable compressors are widely used in shipyards for demanding applications such as hull rust removal and steel structure abrasive blasting. They provide a continuous supply of high-quality compressed air for sandblasting, surface preparation and anti-corrosion coating applications, helping improve productivity and surface treatment quality.

- Recommended models: LUY120D-13, LUY165D-10, LUY210D-12, LUY230D-8, LUY280D-10
- Free air delivery: 12-35 m^3/min
- Working pressure: 8-13 bar













MINING

Application:

Liutech electric-driven portable compressors are widely used in open-pit mine blast hole drilling and tunnelling applications. They provide a stable supply of high-quality compressed air for down-the-hole drilling equipment and other drilling tools, meeting the demands of high-intensity drilling operations while ensuring productivity and operational reliability.

- Recommended models: LUY200D-19, LUY260D-21, LUY260D-25, LUY290D-21, LUY290D-25
- Free air delivery: 20-29 m^3/min
- Working pressure: 19-25 bar



HIGH FLOW & PRESSURE DRILLING, NITROGEN PRODUCTION

Application:

Liutech electric-driven portable compressors are widely used in drilling and related applications, providing down-the-hole (DTH) drilling rigs with a continuous, stable and reliable supply of high-pressure compressed air to meet demanding operating requirements.

They are also widely applied in nitrogen generation, oil and gas pipeline blowdown and cleaning operations, as well as other industrial applications requiring a stable supply of compressed air for associated equipment and processes.

- Recommended models: LUY330D-21, LUY300D-35, LUY350D-30, LUY380D-20, LUY400D-25
- Free air delivery: 30-40 m^3/min
- Working pressure: 20-35 bar



SPECIFICATIONS

Type	LUY100D-7	LUY130D-7	LUY120D-13	LUY130D-10	LUY115D-20	LUY135D-13	LUY165D-10	LUY203D-7
Working pressure (bar)	7	7	13	10	20	13	10	7
Free air delivery (m³/min)	10	13	12	13	11.5	13.5	16.5	20.3
Noise level at 7 m (dB(A))	73 ± 3	73 ± 3	73 ± 3	73 ± 3	68 ± 3	70 ± 3	70 ± 3	70 ± 3
Compressor oil capacity (L)	20	28	28	28	55	55	55	55
Outlet valves (Qty × Size)	1 × G¾ + 1 × G1½	1 × G¾ + 1 × G1½	1 × G¾ + 1 × G1½	1 × G¾ + 1 × G1½	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾
Electric Motor								
Power (kW)	55	75	90	90	90	110	110	110
Service factor	1.15	1.15	1.15	1.15	1.2	1.15	1.15	1.15
Voltage	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz
Motor speed (rpm)	2970	2970	2970	2970	1490	2970	2970	2970
Starting mode	Star-Delta Starting	Star-Delta Starting	Star-Delta Starting	Star-Delta Starting	Variable Speed Drive (VSD)	Star-Delta Starting	Star-Delta Starting	Star-Delta Starting
IP rating / Insulation class	IP54 / F	IP54 / F	IP54 / F	IP54 / F	IP54 / F	IP54 / F	IP54 / F	IP54 / F
Dimensions & Weight – Box Mounted								
Length (mm)	2200	2200	2200	2200	2984	2680	2680	2680
Width (mm)	1170	1170	1170	1170	1750	1660	1660	1660
Height (mm)	1400	1400	1400	1400	1900	1800	1800	1800
Weight (kg)	1340	1340	1440	1440	2890	2285	2285	2285
Dimensions & Weight – with Undercarriage (Tow Bar Folded / Extended)								
Length (mm)	3111/3712	3111/3712	3111/3712	3111/3712	3358/4479	3641/4232	3641/4232	3641/4232
Width (mm)	1600	1600	1600	1600	1990	1950	1950	1950
Height (mm)	1745	1745	1745	1745	2202	2170	2170	2170
Weight (kg)	1540	1540	1540	1540	3190	2590	2590	2590

SPECIFICATIONS

Type	LUY230D-8	LUY165D-14	LUY170D-18	LUY200D-19	LUY210D-12	LUY170D-17	LUY250D-10	LUY210D-14
Working pressure (bar)	8	14	18	19	12	17	10	14
Free air delivery (m³/min)	23	16.5	17	20	21	17	25	21
Noise level at 7 m (dB(A))	72 ± 3	70 ± 3	68 ± 3	68 ± 3	68 ± 3	68 ± 3	68 ± 3	68 ± 3
Compressor oil capacity (L)	55	55	55	55	55	61	65	65
Outlet valves (Qty × Size)	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾
Electric Motor								
Power (kW)	132	132	132	160	160	160	160	160
Service factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
Voltage	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz
Motor speed (rpm)	2970	2970	1490	1490	2980	2980	1480	1480
Starting mode	Star-Delta Starting	Star-Delta Starting	Soft Starter	Soft Starter	Star-Delta Starting	Star-Delta Starting	Star-Delta Starting	Star-Delta Starting
IP rating / Insulation class	IP54 / F	IP54 / F	IP54 / F	IP54 / F	IP55 / F	IP54 / F	IP54 / F	IP54 / F
Dimensions & Weight – Box Mounted								
Length (mm)	2680	2680	2973	2984	2984	3280	3985	3985
Width (mm)	1660	1660	1500	1750	1750	1670	1800	1800
Height (mm)	1800	1800	1825	1900	1900	1870	2200	2200
Weight (kg)	2285	2285	2710	2890	2890	2850	3900	3900
Dimensions & Weight – with Undercarriage (Tow Bar Folded / Extended)								
Length (mm)	3641/4232	3641/4232	3643/4010	3358/4479	3358/4479	3320/4550	4210/5260	4210/5260
Width (mm)	1950	1950	1990	1990	1990	1770	1800	1800
Height (mm)	2170	2170	2113	2202	2202	2230	2590	2590
Weight (kg)	2590	2590	2910	3190	3190	3460	4500	4500

SPECIFICATIONS

Type	LUY280D-8.5	LUY280D-10	LUY238D-14	LUY260D-21	LUY270D-17	LUY290D-21	MLGF28/ 21-280T	LUY260D-25
Working pressure (bar)	8.5	10	14	21	17	21	21	25
Free air delivery (m³/min)	28	28	23.8	26	27.2	29	28	26
Noise level at 7 m (dB(A))	68 ± 3	68 ± 3	68 ± 3	70 ± 3	70 ± 3	70 ± 3	70 ± 3	70 ± 3
Compressor oil capacity (L)	65	65	65	85	85	85	85	85
Outlet valves (Qty × Size)	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾
Electric Motor								
Power (kW)	160	180	180	200	200	250	280	250
Service factor	1.15	1.15	1.15	1.15	1.15	1.15	1	1.15
Voltage	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz
Motor speed (rpm)	1480	1480	1480	1480	1480	2980	2980	2980
Starting mode	Star-Delta Starting	Star-Delta Starting	Star-Delta Starting	Star-Delta Starting	Star-Delta Starting	Star-Delta Starting	Soft Starter	Star-Delta Starting
IP rating / Insulation class	IP54 / F	IP54 / F	IP54 / F	IP55 / F	IP55 / F	IP54 / F	IP54 / F	IP54 / F
Dimensions & Weight – Box Mounted								
Length (mm)	3985	3985	3985	3500	3500	3500	3500	3500
Width (mm)	1800	1800	1800	1800	1800	1800	1800	1800
Height (mm)	2200	2200	2200	2140	2140	2140	2140	2140
Weight (kg)	3900	3900	3900	3900	3900	4000	4000	4000
Dimensions & Weight – with Undercarriage (Tow Bar Folded / Extended)								
Length (mm)	4210/5260	4210/5260	4210/5260	3950/5200	3950/5200	3950/5200	3950/5200	3950/5200
Width (mm)	1800	1800	1800	2120	2120	2120	2120	2120
Height (mm)	2590	2590	2590	2590	2590	2590	2590	2590
Weight (kg)	4500	4500	4500	4000	4000	4100	4100	4100

SPECIFICATIONS

Type	LUY290D-25	LUY330D-21	LUY300D-35	LUY380D-20	LUY330D-35	LUY350D-30	LUY400D-25
Working pressure (bar)	25	21	35	20	35	30	25
Free air delivery (m³/min)	29	33	30	38	33	35	40
Noise level at 7 m (dB(A))	73 ± 3	73 ± 3	73 ± 3	73 ± 3	73 ± 3	73 ± 3	73 ± 3
Compressor oil capacity (L)	85	105	105	105	105	105	105
Outlet valves (Qty × Size)	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾	1 × G2 + 1 × G¾
Electric Motor							
Power (kW)	280	280	315	315	355	355	355
Service factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15
Voltage	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz
Motor speed (rpm)	1490	1490	1490	1490	1490	1490	1490
Starting mode	Star-Delta Starting	Soft Starter	Soft Starter	Soft Starter	Soft Starter	Soft Starter	Soft Starter
IP rating / Insulation class	IP55 / F	IP55 / F	IP55 / F	IP55 / F	IP55 / F	IP55 / F	IP55 / F
Dimensions & Weight – Box Mounted							
Length (mm)	3500	4010	4010	4010	4010	4010	4010
Width (mm)	1800	1900	1900	1900	1900	1900	1900
Height (mm)	2140	2200	2200	2200	2200	2200	2200
Weight (kg)	4400	4910	4900	4900	5100	5100	5100
Dimensions & Weight – with Undercarriage (Tow Bar Folded / Extended)							
Length (mm)	3950/5200	4415/5680	4290/5540	4290/5540	4290/5540	4290/5540	4290/5540
Width (mm)	2120	2000	1900	1900	1900	1900	1900
Height (mm)	2590	2676	2600	2600	2600	2600	2600
Weight (kg)	4600	5370	5200	5200	5400	5400	5400