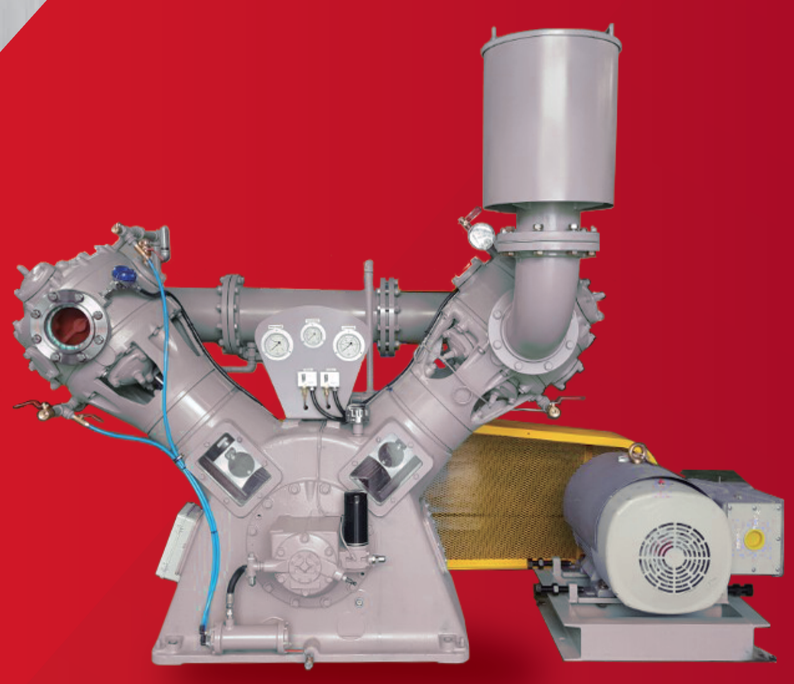
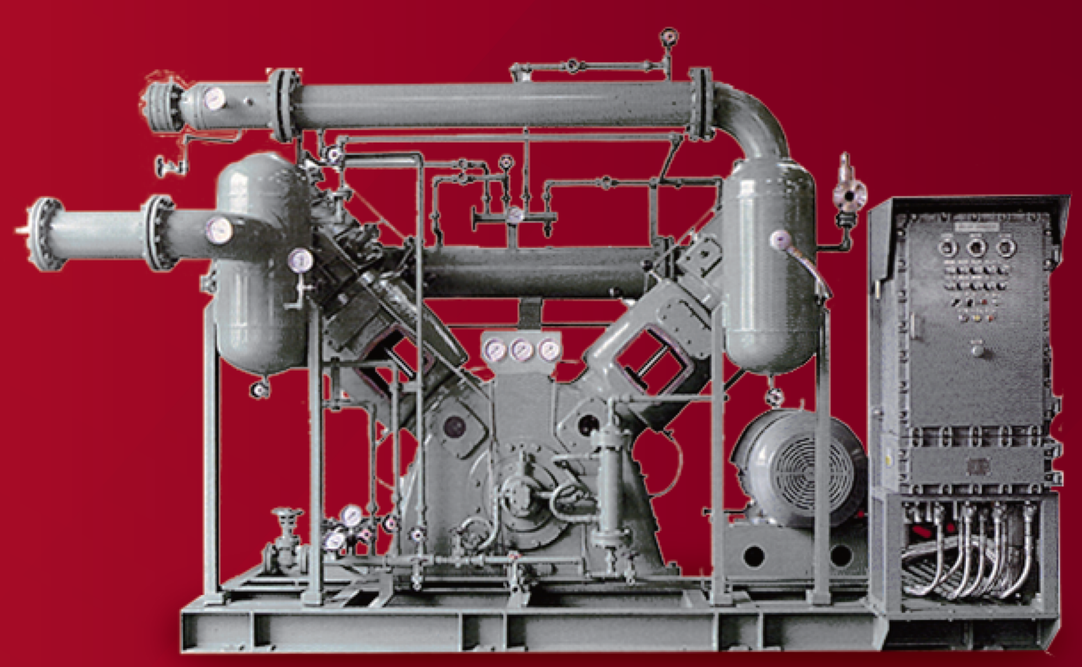
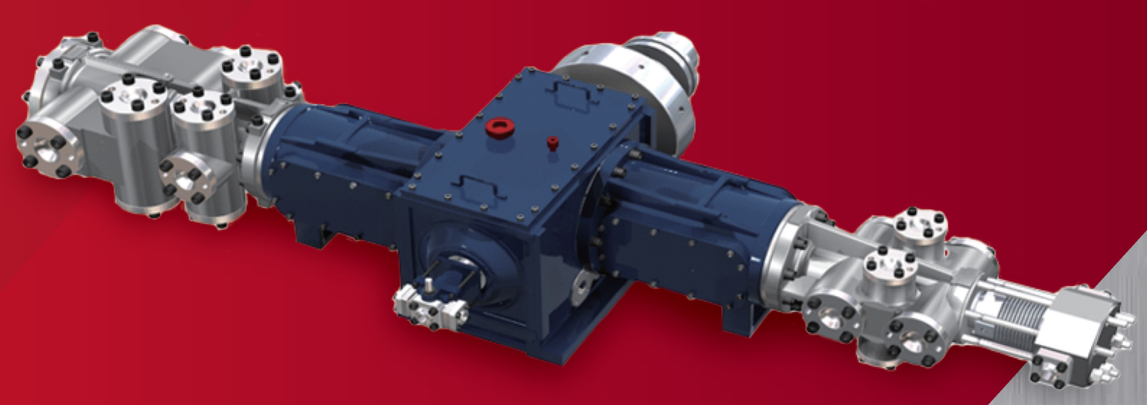
TK TRADE
& Engineering Service

www.tk-trade.co.kr

COMPRESSOR

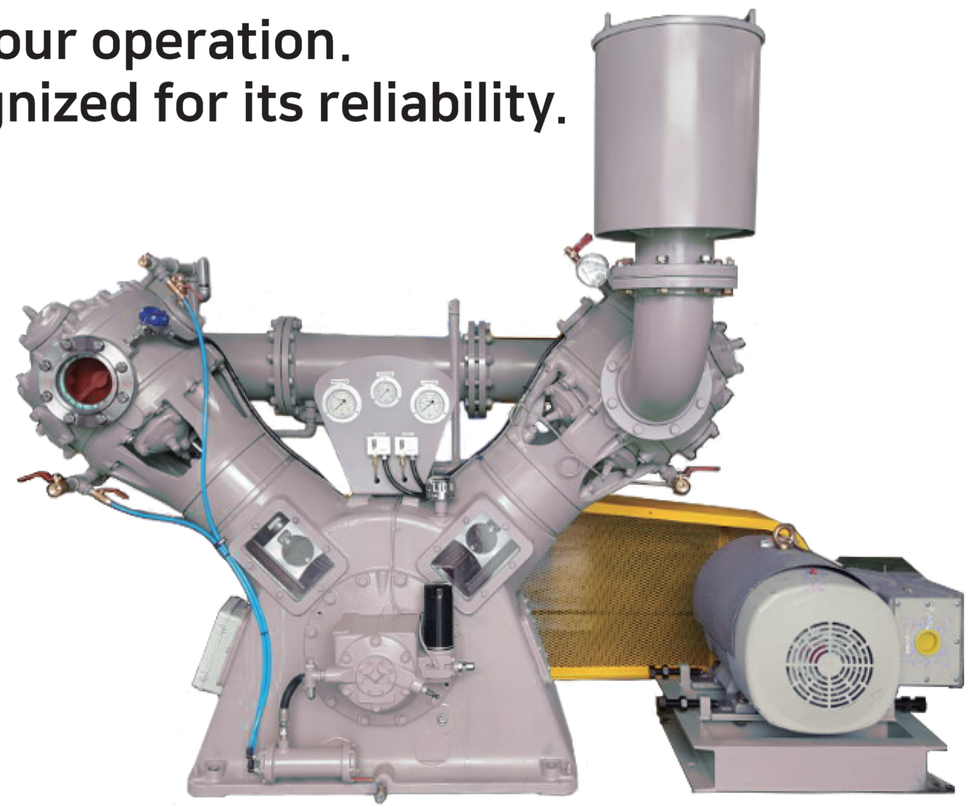






JOY-SERIES

Heavy-Duty Type Compressor
Specially manufactured for continuous 24-hour operation.
Widely used around the world and well recognized for its reliability.



Specification

- Motor power : 25 - 450 HP
- Air Delivery : 2.6 - 58.3 m³/min
- Pressure : 1.5 - 24.6 kg/cm²
- Revolution : 380 - 720 RPM
- Cooling : Water Cooled

Features

- 100% oil-free design with an aerodynamic and streamlined exterior.
- Water jacket with maximum cooling capacity.
- Pressure-balanced, highly efficient conical piston.
- Self-aligning, segmented packing ring.
- Concentric valve design with maximized flow area.
- Easy-to-interchange crosshead guide.
- Separate piston ring with superior efficiency and extended service life cycle.

WN(OL)114 Type (Oil Free & Oil Injected) — **Four Cylinder**

Model	Working Pressure	Actual Delivery	Motor Power	Approx. Weight
	kg/cm²	m³/min	HP	kg
HJC-200KS	14	17.1	200	7,000
HJC-250DX	21.1	19.2	250	7,200
HJC-300DN	7.0	37.3	250	7,200
HJC-300DH	8.8	37	300	7,600
HJC-300DS	14	29.2	300	7,400
HJC-300DX	24.6	22	300	7,200
HJC-350DN	7.0	46.9	250	7,200
HJC-350DH	8.8	44.1	350	8,000
HJC-350DS	14	32	350	7,800
HJC-450DN	7.0	60.8	450	8,500
HJC-500DH	8.8	58.2	500	8,500

WN(OL)112 Type (Oil Free & Oil Injected) — **Two Cylinder**

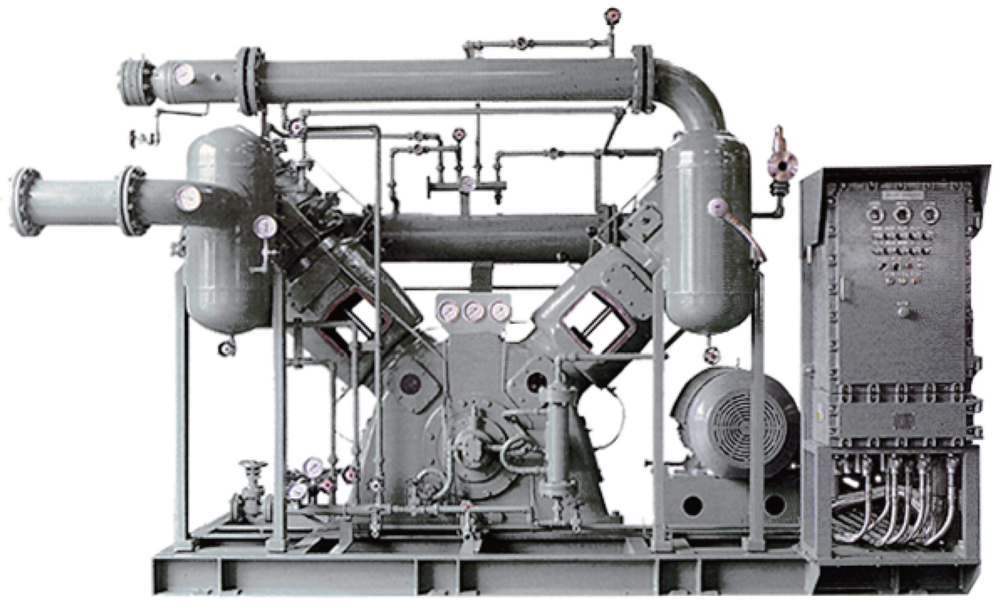
Model	Working Pressure	Actual Delivery	Motor Power	Approx. Weight
	kg/cm²	m³/min	HP	kg
HJC-75DN	7	9.8	75	3,100
HJC-75DH	8.8	9.3	75	3,100
HJC-100DN	7	13.1	100	3,100
HJC-100DH	8.8	11.9	100	3,100
HJC-100DS	14	8.5	100	3,100
HJC-125DN	7	15.4	125	3,200
HJC-125DH	8.8	14.5	125	3,200
HJC-125DX	21.1	9.6	125	3,100
HJC-150DN	7	19.1	150	3,400
HJC-150DH	8.8	18.1	150	3,400
HJC-150DS	14	14.6	150	3,200
HJC-150DX	24.6	11	150	3,200
HJC-175DN	7	24	175	3,500
HJC-175DH	8.8	21.7	175	3,500
HJC-175DS	14	16.	175	3,400
HJC-200DN	7	25.7	200	3,500
HJC-200DH	8.8	22.9	200	3,500
HJC-250DN	7	31.2	250	3,700
HJC-250DH	8.8	28.4	250	3,700

HIGH-PRESSURE

Based on the Joy series design, featuring additional upper cylinders.
Available from 50 HP to 300 HP.

Specification

- Motor power : 50 - 300 HP
- Air Delivery : 3.7 - 22 m^3/min
- Pressure : 30 - 40 kg/cm^2
- Revolution : 402 - 560 RPM
- Cooling : Water Cooled



Features

- Oil-lubricated or oil-free configurations can be manufactured upon request.
- The automatic unloading system allows capacity control.
- The oil tank is located at the lower part of the crankcase.
- The safety system enables unattended operation.
- The lubricant in the crankcase is cooled by a separately installed oil cooler.
- The crosshead guide is designed to allow easy maintenance.
- High-quality self-lubricating rings significantly extend piston ring service life.

Piston Type (High Pressure) — **Working Pressure 30kg/cm^2**

Model	Piston Displacement	Revolution	Motor Power	Piping Size : mm	
	m^3/min	RPM	HP	Suction	Discharge
HVC-50H30P	4.93	402	50	80	25
HVC-75H30P	7.33	420	75	100	32
HVC-100H30P	10	456	100	125	40
HVC-150H30P	14.66	514	150	150	50
HVC-200H30P	20	522	200	150	65
HVC-250H30P	25.33	535	250	200	65
HVC-300H30P	29.33	560	300	200	65

Piston Type (High Pressure) — **Working Pressure 40kg/cm^2**

Model	Piston Displacement	Revolution	Motor Power	Piping Size : mm	
	m^3/min	RPM	HP	Suction	Discharge
HVC-50H40P	4.71	420	50	80	25
HVC-75H40P	7	401	75	100	32
HVC-100H40P	9.55	493	100	125	40
HVC-150H40P	14	491	150	150	40
HVC-200H40P	19.1	499	200	150	50
HVC-250H40P	24.2	512	250	200	50
HVC-300H40P	28	535	300	200	65

AIR & GAS DRYER

- High-performance air and gas dryer designed for efficient moisture removal from compressed air and natural gas systems.
- Ensures dry gas supply and stable operation under various conditions.
- Each system is engineered according to gas composition, pressure, and temperature requirements.

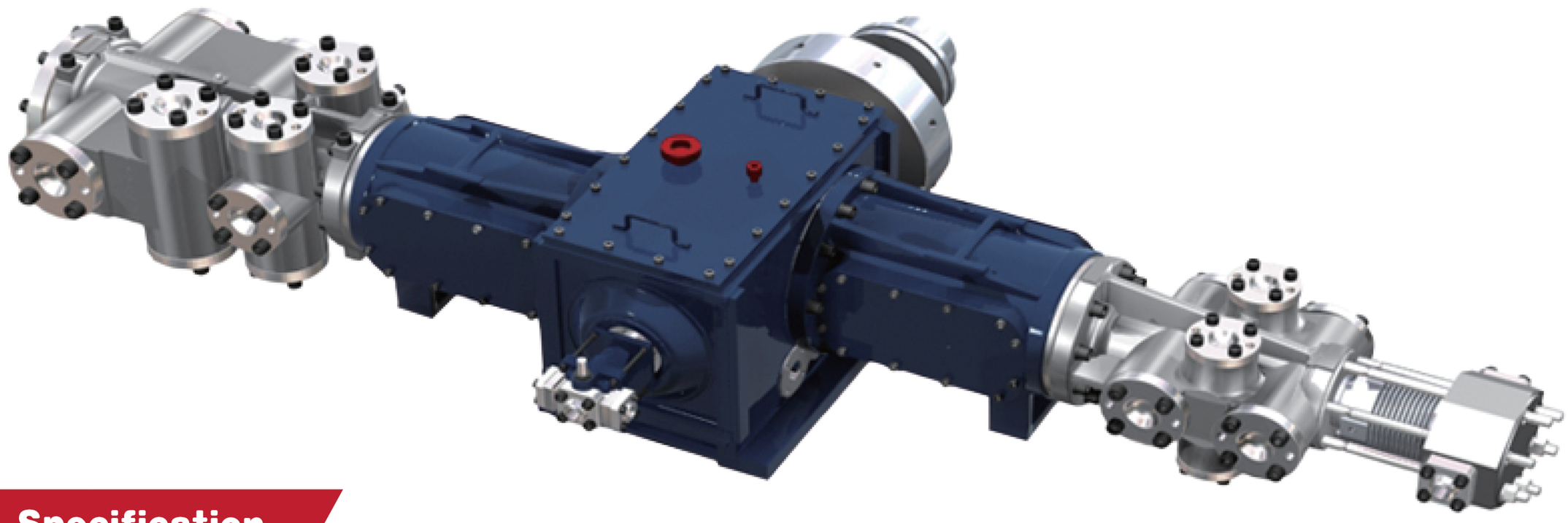
* Customized specifications beyond this catalog are available upon request.

Description	Specifications
Capacity	100~6,000 Nm³/hr
Inlet Pressure	0.1~20.0 barG.
Fluid	Compressed Air or Natural Gas
Operating	Manual or Auto
Adsorption Material	Multi-layer desiccant
Regeneration Cycle	4Hour/1Tower
Main Voltage	AC380V x 3P x 50/60Hz
Control Voltage	AC220V x 1P x 50/60Hz
Pre Filter	1set
After Filter	1set
Regeneration Heat Exchanger	1set
Separater	1set

CNG COMPRESSOR

CNG Compressor is a key component in natural gas fueling systems.
Engineered with an oil-free design for clean and safe high-pressure natural gas compression.
Supplied with a proven track record in manufacturing and installation.

Oil Free Compressor



Specification

- Capacity: 100 Nm^3/h – 15,000 Nm^3/h
- Power: 10 kW – 1,250 kW
- Application: CNG vehicles
- Design: Oil-free type

Features

- 100% oil-free natural gas compression technology.
- Ensures clean gas transfer to vehicles without oil carryover.
- Eco-friendly design with zero waste oil generation.
- Hybrid compression system increases gas production efficiency.
- Reduced maintenance requirements and lower operating costs.
- Guarantees high-purity CNG for clean vehicle fuel applications.

Advantages

- 0 (Zero) ppm oil concentration in the gas.
- No oil condensation or buildup with low operating temperature.
- Reduced maintenance costs for compressors and vehicles.
- Low-noise operation: 85 dB

TK TRADE
X
ENGINEERING SERVICE

ALWAYS SEEKING SOLUTIONS. ALWAYS YOUR PARTNER.

Head Office
1767, Saneop-ro, Oedong-eup, Gyeongju-si, Korea (38208)

Ulsan Office
1F, 51, Myeongchon 10-gil, Buk-gu, Ulsan, Korea (44254)

TEL
+82)54-773-0742

FAX
+82)54-774-0742

WEB
www.tk-tade.co.kr

E-MAIL
tk-trade@naver.com