

**RECIPROCATING & SCREW  
Ex and NON Ex**



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## ASA COMPANY

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## RECIPROCATING

COMPRESSOR MANUFACTURE FOR AIR INSTRUMENT PACKAGE : **ARAZ SANAT ASIA CO.**  
 OTHER EQUIPMENT WILL BE ACCORDING YOUR VENDOR LIST

PACKAGING INCLUDE ( CONTROL - INSTRUMENT - PIPING - LUBRICATION SYSTEM  
 ELECTRICAL&CONTROL PANEL - SKID - MOUNTED - COOLING - DOCUMENTATION  
 ASSEMBLY - TEST - COMMISSIONING - AFTER SALE SERVICE ) WILL BE WITH  
 ARAZ SANAT ASIA COMPANY



Belt driver Reciprocating air compressor parameters

Model	Power		Exhaust Pressure	Volume flow	Interface	Dimension	Weight
Model	KW	HP	Bar	m3/min	inch	L*W*H(mm)	Kg
REO - 7.5	7.5	10	7	1.20	G3/4"	800*720*900	230
			8	1.10			
			10	0.95			
			12.5	0.80			
REO - 11	11	15	7	1.65	G1"	950*800*1150	420
			8	1.53			
			10	1.32			
			12.5	1.10			
REO - 15	15	20	7	2.40	G1"	950*800*1150	440
			8	2.30			
			10	1.82			
			12.5	1.55			
REO - 18.5	18.5	20	7	3.22	G1"1/4"	1150*900*1360	520
			8	3.01			
			10	2.52			
			12.5	2.30			
REO - 22	22	30	7	3.60	G1"1/4"	1150*900*1360	550
			8	3.56			
			10	3.07			
			12.5	2.84			
REO - 30	30	40	7	5.20	G1"1/4"	1150*90*1360	580
			8	5.06			
			10	4.53			
			12.5	3.90			
REO - 37	37	50	7	6.58	G1"1/2"	1300*1000*1470	7800
			8	6.26			
			10	5.80			
			12.5	5.06			

REO - 45	45	60	7	7.36	G1"1/2"	1300*1000*1470	8000
			8	7.10			
			10	6.47			
			12.5	5.80			
REO - 55	55	75	7	10.8	G2"	1550*1170*1600	1200
			8	10.1			
			10	8.50			
			12.5	7.69			
REO - 75	75	100	7	13.5	G2"	1550*1170*1600	1500
			8	12.7			
			10	11.3			
			12.5	10.0			
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**FOR GAS COMPRESSOR : ARIEL TYPE**

**POWER : UP TO 10000 BHP**

**BHP Rated Range 85-860**



JGM / JGP Rated BHP : 170 / 170      JGN / JGQ Rated BHP : 280 / 252      JG / JGA Rated BHP : 504 / 840      JGR Rated BHP : 860

**BHP Rated Range 620-3,900**



JGH Rated BHP : 1,360      JGJ Rated BHP : 1,860      JGE / JGK / JGT Rated BHP : 3,200/3,810/3,900      JGA / JGJ / JGT / JGK / JGD / KBU / KBB

**BHP Rated Range 2,070 - 10,000**



JGC / JGD / JGF Rated BHP : 6,210/6,210/6,210      KBU / KBZ Rated BHP : 7,800/7,800      KBB / KBV Rated BHP : 10,000/10,000      Genuine Ariel Parts  
 Ariel built OEM parts

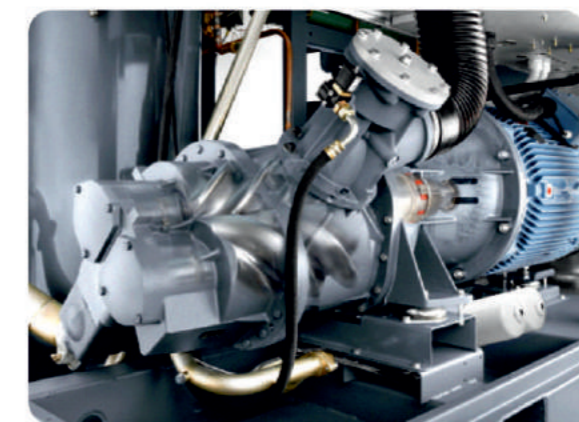
**SCREW**



NO	DESCRIPTION	ORIGINAL
1	AIR END	GU FROM GERMANY

**OTHER EQUIPMENT WILL BE ACCORDING YOUR VENDOR LIST**

PACKAGING INCLUDE ( CONTROL - INSTRUMENT - PIPING - LUBRICATION SYSTEM - ELECTRICAL&CONTROL - PANE - SKID MOUNTED - COOLING - DOCUMENTATION - ASSEMBLY - TEST - COMMISSIONING - AFTER SALE SERVICE ) WILL BE WITH ARAZ SANAT ASIA COMPANY .



**The Late-Genration High Efficency Screw Rotor**

The Latest-Genration High Efficency Screw Rotor The latest generation of screw rotor patent type line is from german technology , composed by bilateral asymmetric male rotor and female rotor , Its type line composed by circular arc and envelop curve . in order to optimize the specific power , using 5:6 toothed ratio .

### The design features of air ends

1. The high-power models is used direct connect , reduce the fault source at a low speed and improve the stress condition of the host.
2. Using of the world's advanced heavy-duty bearing sand shaft seals.
3. low noise reduce the stimulation of the eardrum.
4. The host structure is simple and reasonable , mature and reliable, low

### High efficient and reliable advanced host

The world famous host . its unique design , fully meet your requirements on the performance and efficiency of the compressor systems .Economic operation cost Good environmental adaptability



### Special a new generation of low efficient motor

Start torque big. insulation class F class, with Ip54 protection grade. SKF bearing , low noise, long service life .Has the refueling device, the machine running condition can also fuel up

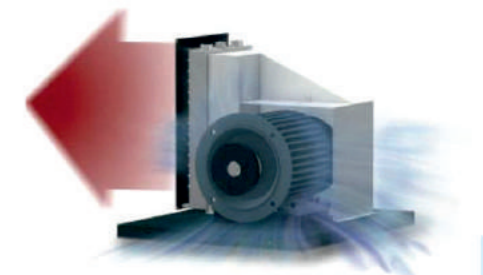


### The operation is simple , convenient.

Operating status is clear at a glance. 24 hours to work for you in the unattended situation . leave spare output interface, can achieve more units chain control and remote diagnosis control .

### Professional air duct

design keeps the compressor inlet temperature and internal temperature low , improve the overall compression efficiency and stability significantly .





Belt drive screw air compressor parameters

Model	Power		Exhaust Pressure	Volume flow	Interface	Dimension	Weight
Model	KW	HP	Bar	m3/min	inch	L*W*H(mm)	Kg
SCE - 7.5	7.5	10	7	1.20	G3/4"	800*720*900	240
			8	1.10			
			10	0.95			
			12.5	0.80			
SCE - 11	11	15	7	1.65	G1"	950*800*1150	450
			8	1.53			
			10	1.32			
			12.5	1.10			
SCE - 15	15	20	7	2.40	G1"	950*800*1150	450
			8	2.30			
			10	1.82			
			12.5	1.55			
SCE - 18.5	18.5	20	7	3.22	G1"1/4"	1150*900*1360	580
			8	3.01			
			10	2.52			
			12.5	2.30			
SCE - 22	22	30	7	3.60	G1"1/4"	1150*900*1360	580
			8	3.56			
			10	3.07			
			12.5	2.84			
SCE - 30	30	10	7	5.20	G1"1/4"	1150*900*1360	580
			8	5.06			
			10	4.53			
			12.5	3.90			
SCE - 37	37	50	7	6.58	G1"1/2"	1300*1000*1470	800
			8	6.26			
			10	5.80			
			12.5	5.06			

SCE - 45	45	60	7	7.36	G1"1/2"	1300*1000*1470	800
			8	7.10			
			10	6.47			
			12.5	5.80			
SCE - 55	55	75	7	10.8	G2"	1550*1170*1600	1700
			8	10.1			
			10	8.50			
			12.5	7.69			
SCE - 75	45	100	8	13.5	G2"	1550*1170*1600	1800
			10	12.7			
			10	11.3			
			12.5	10.0			

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Direct drive screw air compressor parameters

Model	Power		Exhaust Pressure	Volume flow	Interface	Dimension	Weight
Model	KW	HP	Bar	m3/min	inch	L*W*H(mm)	Kg
SCE - 22	22	30	7	3.60	G1"	1380*850*1150	620
			8	3.56			
			10	3.07			
			12.5	2.84			
SCE - 30	30	40	7	5.20	G"1/4"	1380*850*1150	620
			8	5.06			
			10	4.53			
			12.5	3.90			
SCE - 37	37	50	7	6.58	G1"1/2"	1600*1000*1370	850
			8	6.26			
			10	5.80			
			12.5	5.06			
SCE - 45	45	60	7	7.36	G1"1/2"	1600*1000*1370	850
			8	7.10			
			10	6.47			
			12.5	5.80			

SCE - 55	55	75	7	10.8	G2"	1900*1250*160	1800
			8	10.1			
			10	11.3			
			12.5	10.0			
SCE - 75	75	100	7	13.5	G2"	2000*1250*1680	1900
			8	12.7			
			10	11.3			
			12.5	10.1			
SCE - 95	90	120	7	16.2	Dn65	2000*1250*1680	2100
			8	15.2			
			10	14.3			
			12.5	12.9			
SCE - 110	110	150	7	22.6	Dn65	3000*1620*1860	2900
			8	21.1			
			10	18.3			
			12.5	16.2			
SCE - 132	132	175	7	25.2	Dn65	3000*1620*1860	3500
			8	24.0			
			10	21.0			
			12.5	18.3			
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**DRYER  
DESICCANT DRYERS**

Dryer Manufacture : **ARAZ SANAT ASIA**

OR

**ATLAS COPCO (Belgium)**



# Technical Specifications

## HEATLESS DESICCANT DRYERS

DRYER TYPE	Inlet flow FAD 7bar(e)/100psig(1)			Pressure drop (excluding filters)		Inlet / outlet connections 50 Hz: G / PN16 60 Hz: NPT/DN	Filter sizes (recommended)			Dimensions						Weight	
	l/s	m /hr	cfm	bar	psi		Pre-filters		After-filter 1 um	mm			in			kg	lbs
							1 um 0.1 ppm	0.01 um 0.01 ppm		L	W	H	L	W	H		
CD 1+	1	4	2	0.2	2.90	1/4"	N.A.	PD 3	Integrated	106	172	540	7	4	21	7	150
CD 1.5+	1.5	5	3	0.2	2.90	1/4"	N.A.	PD 3	Integrated	106	172	590	7	4	23	8	17
CD 2+	2	8	4	0.2	2.90	1/4"	N.A.	PD 3	Integrated	106	172	720	7	4	28	9	19
CD 2.5+	2.5	9.	5	0.2	2.90	1/4"	N.A.	PD 3	Integrated	106	172	830	7	4	32	10	22
CD 3+	3	11	6	0.2	2.90	1/4"	N.A.	PD 3	Integrated	106	172	855	7	4	33	11	24
CD 5+	5	8	11	0.2	2.90	1/2"	N.A.	PD 9	Integrated	149	295	640	11	6	25	19	41
CD 7+	7	25	15	0.2	2.90	1/2"	N.A.	PD 9	Integrated	149	295	730	11	6	28	22	48
CD 10+	10	36	21	0.2	2.90	1/2"	N.A.	PD 9	Integrated	149	295	875	11	6	34	25	55
CD 12+	12	43	25	0.2	2.90	1/2"	N.A.	PD 17	Integrated	149	295	1015	11	6	40	29	63
CD 17+	17	61	36	0.2	2.90	1/2"	N.A.	PD 17	Integrated	149	295	1270	11	6	50	35	77
CD 22+	22	79	47	0.35	5.08	1/2"	N.A.	PD 17	Integrated	149	295	1505	11	6	59	44	97
CD 25+	25	90	53	0.06	0.87	1/2"	DD 32	PD 32	DDP 32	550	201	1233	21.7	7.9	48.5	50	110
CD 30+	30	108	64	0.085	1.28	1/2"	DD 32	PD 32	DDP 32	550	201	1233	21.7	7.9	48.5	50	110
CD 35+	35	126	74	0.095	1.38	1/2"	DD 32	PD 32	DDP 32	550	201	1478	21.7	7.9	58.2	60	132
CD 50+	50	180	106	0.35	5.08	1"	DD 60	PD 60	DDP 60	550	201	1846	21.7	7.9	72.7	80	176
CD 60+	60	216	127	0.12	1.74	1"	DD 60	PD 60	DDP 60	550	364	1233	21.7	14.3	48.5	100	220
CD 70+	70	252	148	0.16	2.32	1"	DD 60	PD 60	DDP 60	550	364	1479	21.7	14.3	58.2	120	265
CD 80+	80	288	170	0.12	1.74	1 1/2"	DD 120	PD 120	DDP 120	550	364	1846	21.7	14.3	72.7	160	353
CD 100+	100	360	212	0.35	5.08	1 1/2"	DD 120	PD 120	DDP 120	550	364	1846	21.7	14.3	72.7	160	353
CD 145+	145	522	307	0.35	5.08	1 1/2"	DD 150	PD 150	DDP 150	550	526	1846	21.7	20.7	72.7	240	529
CD 110+	110	396	233	0.12	1.74	1 1/2"	DD 120	PD 120	DDP 120	950	728	1695	3.74	28.7	66.7	340	750
CD 150+	150	540	318	0.16	2.32	1 1/2"	DD 150	PD 150	DDP 150	1089	848	1731	42.9	33.4	68.1	415	915
CD 185+	185	666	392	0.2	2.90	1 1/2"	DD 175	PD 175	DDP 175	1089	848	1731	42.9	33.4	38.1	445	981
CD 250+	250	900	530	0.14	2.03	2"	DD 280	PD 280	DDP 280	1106	960	1816	43.5	37.8	71.5	600	1323
CD 300+	300	1080	636	0.19	2.76	2"	DD 280	PD 280	DDP 280	1173	1116	1854	46.2	43.9	73.0	650	1433
CD 330+	330	1188	700	0.1	1.45	DN 80	DD 425+	PD 425+	DDP 425+	1088	1775	2537	43	69.92	99.88	950	2109
CD 400+	400	1440	848	0.1	1.45	DN 80	DD 425+	PD 425+	DDP 425+	1088	1776	2537	43	69.92	99.88	1030	2287
CD 550+	550	1980	1166	0.1	1.45	DN 80	DD 550+	PD 550+	DDP 550+	1091	1884	2592	43	74.17	102	1310	2908
CD 850+	850	3060	1802	0.1	1.45	DN 100	DD 850	PD 850+	DDP 850+	1259	2359	2655	50	92.87	104.5	2120	4706
CD 1100+	1100	3960	2332	0.1	1.45	DN 100	DD 1100+	PD 1100+	DDP 1100+	1259	2472	2637	50	97.32	103.8	2600	5772
CD 1400+	1400	5040	2968	0.11	1.60	DN 125	DD 1400+	PD 1400+	DDP 1400+	1428	2693	2576	56	106	101.4	3700	8215

### BLOWER PURGE DESICCANT DRYERS

DRYER TYPE	Inlet flow FAD 7bar(e)/100psig(1)			Average power consumption		Pressure drop (excluding filters)		Inlet/outlet connections	Filter sizes ( recommended )			Dimensions						Weight	
	l/s	m³/hr	cfm	kW	hp	bar	psi		50 Hz: G/PN16 60 Hz: NPT/DN	Pre-filters		After-filter	mm			in			kg
								1 um 0.1 ppm		0.01 um 0.01 ppm	1 um		L	W	H	L	W	H	

Purge Cooling

BD 100+	100	360	212	2.2	2.97	0.2	2.9	1 1/2"	DD 120	PD 120	DDp120	12500	770	1720	49	30.31	68	640	1421
BD 150+	150	540	318	3.3	4.5	0.2	2.9	1 1/2"	DD 150	PD 150	DDp150	1300	870	1770	51	34.25	70	680	1510
BD 185+	185	666	392	3.5	4.7	0.2	2.9	1 1/2"	DD 175	PD 175	DDp175	1300	870	1770	51	34.25	70	710	1576
BD 250+	250	900	530	4.8	6.5	0.2	2.9	2"	DD 280	PD 280	DDp280	1345	955	1816	53	37.6	71	775	1721
BD 300+	300	1080	636	5.7	7.7	0.2	2.9	2"	DD 280	PD 280	DDp280	1425	1010	1853	56	39.76	73	820	1821
BD 330+	330	1188	700	9.3	12.6	0.12	1.74	80	DD 425+	PD 425+	DDp125+	1764	1024	2558	69	40.31	100.7	1190	2642
BD 400+	400	1440	848	10.2	13.8	0.12	1.74	80	DD 425+	PD 425+	DDp425+	1764	1024	2558	69	40.31	100.7	1300	2886
BD 550+	550	1980	1166	12	16.2	0.12	1.74	80	DD 550+	PD 550+	DDp550+	1884	1024	2612	74	40.31	102.8	1620	3597
BD 850+	850	3060	1802	17.1	23.1	0.12	1.74	100	DD 850+	PD 850+	DDp850+	2359	1175	2702	93	46.26	106.4	2600	5773
BD 1100+	1100	3960	2332	24.2	32.7	0.12	1.74	100	DD 1100+	PD 1100+	DDp1100+	2472	1175	2681	97	46.26	105.6	3040	6750
BD 1400+	1400	5040	2968	33	44.55	0.1	1.45	150	DD 1400+	PD 1400+	DDp1400+	2720	2199	2548	107	86.57	100.3	4100	9103
BD 1800+	1800	6480	3816	39	52.65	0.16	2.32	150	DD 1800+	PD 1800+	DDp1800+	2793	2199	2548	110	86.57	100.3	4700	10435
BD 2200+	2200	7920	4664	55	74.25	0.22	3.19	150	DD 2200+	PD 2200+	DDp2200+	2993	2199	2548	118	86.57	100.3	5600	12434
BD 3000+	3000	10800	6360	69	93.15	0.18	2.61	150	DD 3000+	PD 3000+	DDp3000+	3350	2417	2893	132	95.16	113.9	7600	16874

Zero purge cooling

BD 330+	330	1188	700	8.6	11.6	11.6	1.74	80	DD 425+	DD 425+	DDp 425+	1764	1024	2558	69	40.31	100.7	1420	3135
BD 400+	400	1440	878	10.7	14.4	14.4	1.74	80	DD 425+	DD 425+	DDp 425+	1764	1024	2558	69	40.31	100.7	1545	3430
BD 550+	550	1980	1166	13.2	17.8	17.8	1.74	80	DD 550+	DD 550+	DDp 550+	1884	1024	2612	74	40.31	102.8	1910	4241
BD 850+	850	3060	1802	23.4	31.6	31.6	1.74	100	DD 850+	DD 850+	DDp 850+	2359	1175	2702	93	46.26	106.4	2960	6572
BD 1100+	1100	3960	2332	32.4	43.7	43.7	1.74	100	DD 1100+	DD 1100+	DDp1100+	2472	1175	2681	97	46.26	105.6	3490	7749
BD 1400+	1400	5040	2968	37	50.0	50.0	1.45	150	DD 1400+	DD 1400+	DDp1400+	2720	2639	2548	107	103.9	100.3	4450	9880
BD 1800+	1800	6480	3816	45	60.8	60.8	2.32	150	DD 1800+	DD 1800+	DDp1800+	2793	2663	2548	110	104.8	100.3	5050	11213
BD 2200+	2200	7920	4664	62	73.7	73.7	3.19	150	DD 2200+	DD 2200+	DDp2200+	2993	2775	2548	118	109.3	100.3	5950	13211
BD 3000+	3000	10800	6360	79	106.7	106.7	2.61	150	DD 3000+	DD 3000+	DDp3000+	3350	2923	2893	132	115.1	113.9	7950	17651

### HEAT OF COMPRESSION DESICCANT DRYERS

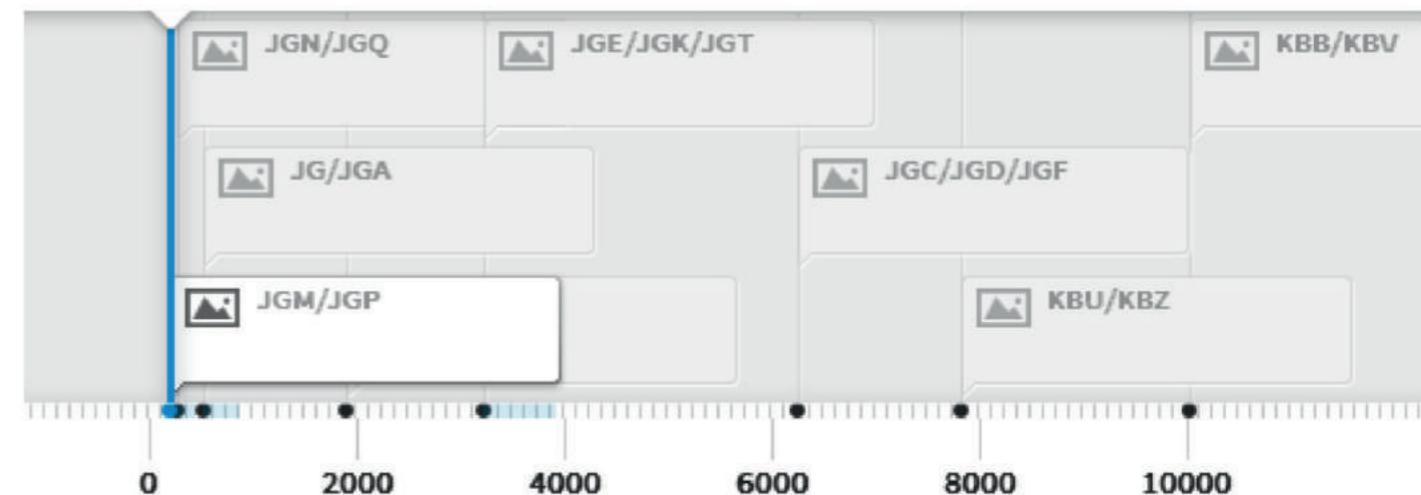
DRYER TYPE	Inlet flow FAD 7bar(e)/100 psig(1)			Average power consumption		Pressure drop (excluding filters)		Inlet/outlet connections	Filter sizes (recommended)	Dimensions						Weight	
	l/s	m³/hr	cfm	kW	hp	bar	psi			50 Hz: G/PN16 60 Hz: NPT/DN	After-filter	mm			in		
								1 um	L			W	H	L	W	H	

(1) FAD at reference conditions :  
 Ambient air temperature : 35 C  
 Ambient relative humidity : 60%  
 Compressed air effective inlet pressure : 7bar  
 Compressed air inlet temperature : 20 C (120 C for XD+)  
 Inlet relative humidity of compressed air : 100%  
 Cooling water temperature : 26.7 C  
 The above dimensions are only an indication. Before calculating the space needed for installation , please always refer to the official dimension drawings.

### GAS COMPRESSOR

### POWER : UP TO 10000 BHP

COMPRESSOR MANUFACTURE FOR GAS COMPRESSOR: ARIEL CO. OTHER EQUIPMENT IN PACKAGE WILL BE ACCORDING YOUR VENDOR LIST PACKAGING INCLUDE (CONTROL-INSTRUMENT-PIPING-LUBRICATION SYSTEM - ELECTRICAL&CONTROL PANEL-SKID MOUNTED-COOLING-DOCUMENTATION-ASSEMBLY-TEST - COMMISSIONING - AFTER SALE SERVICE) WILL BE WITH **ARAZ SANAT ASIA COMPANY**.



### JGM & JGP Reciprocating Gas Compressors

This family of reciprocating separable compressors readily couple with a wide range of high-speed engines. The Ariel JGM and JGP are known for their cost effectiveness and are well suited for gas gathering, gas lift and CNG applications.



### JGN & JGO Reciprocating Gas Compressors

A workhorse in field-gas applications, these separable reciprocating compressors are engineered to effortlessly pair with high-speed engines. Available with high-pressure cylinders, the JGN and JGO are excellent choices for gas-lift and CNG vehicle-fueling applications.



**JG & JGA Reciprocating Gas Compressors**

The JG and JGA are medium-sized, driver-rated separable reciprocating compressors utilized in gas gathering, fuel-gas boosting, underbalanced drilling and CNG applications.

**JGJ Reciprocating Gas Compressors**

The JGJ is a medium-sized separable reciprocating compressor , well suited for gas gathering on moderate-size wells. The JGJ is particularly effective for fuel-gas boosting applications, and is often paired with electric motors as well as natural gas engines.

**JGE, JGK, & JGT Reciprocating Gas Compressors**

Designed for continuous duty in the gas and oil industry, these medium-speed reciprocating separable compressors feature a wide range of cylinders, making them the industry choice for standard and specialized applications.

**JGC, JGD, & JGF Reciprocating Gas Compressors**

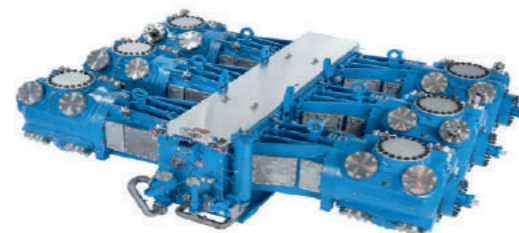
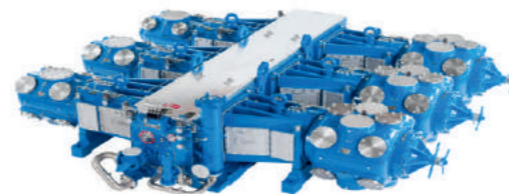
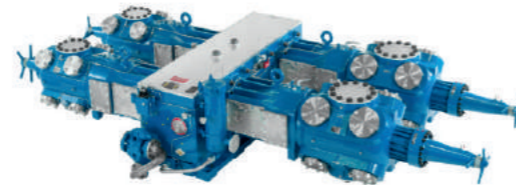
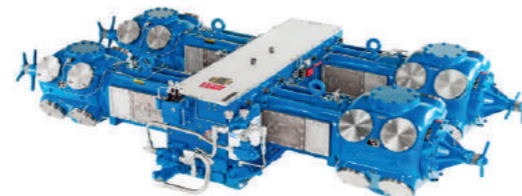
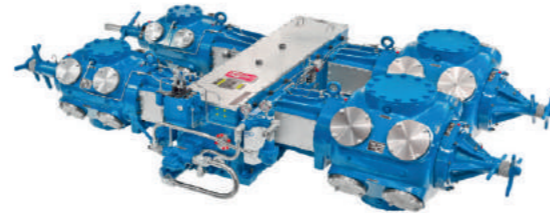
Ariel's large medium-speed reciprocating separable compressors are designed to pair with electric motors and natural gas engines. These compressors are engineered for applications requiring large horsepower drivers and high-compression capacity.

**KBU & KBZ Reciprocating Gas Compressors**

Ariel's large medium-speed reciprocating separable compressors are capable of handling high rod loads of 150,000 lbs. The KBU and KBZ have proven to be the most cost effective method of compression for applications requiring large horsepower drivers and high-compression capacity.

**KBB & KBV Reciprocating Gas Compressors**

Ariel's largest compressor frames, the KBB and KBW are rated up to 10,000 bhp. Each compressor features a modern, durable design with a strengthened internal structure. This family of frames is recommended for use in pipeline transmission and high-pressure injection applications.



**Company Culture**

The company's marketing idea has always been on the market as the guidance , take customer as the center, to serve the society and common development. Our company conducted overseas business since 2008. As a direct manufacturer of equipment, give full play to the advantages of Science popularization of product and perfect service, service industry around the world.



**Strong sales service system & Outstanding productivity**

Type and configuration is complete, Senior engineers can provide you with the best of knowledge and technology. Outstanding productivity and Flexible product Solutions makes your working easy.



**ASA Co. is your best choice.**

No matter pre-sale, saling and after-sale, as long as the user need equipment technical help and consulting, our company will provide relevant technical help within 24 hours.



**Our service concept—the customer is king.**

Cost Savings for customers, and achieve mutual profit is our marketing objective. Professional design and development team, strong productivity, is committed to create the optimal air compressor industry products.