

joint-stock
company

COMPRESSOR





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Enterprise was founded in 1877



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OFFERS PRODUCTION, MADE TO COMPANY DESIGN

(in sea and
general industrial
version)

- COMPRESSORS AND STATIONS FOR COMPRESSION OF AIR, NATURAL GAS, HYDROGEN AND OTHER GASES
- UNITS AND SYSTEMS FOR PURIFYING AND DRYING AIR AND GASES FROM MOISTURE, OIL AND MECHANICAL IMPURITIES
- GAS-BALLOON APPARATUS FOR CARS
- SHIPBOARD TONNAGE EQUIPMENT

Automated, with drive from electromotor, high-pressure piston for air compression

Index	Functional diagram	Delivery, m ³ /h	Terminal pressure, kgf/cm ²	Consumed power, kW	Dimensions, mm			Mass, kg
					Length	Width	Height	
CKAB1		24	400	20	1300	835	930	1000
ЭК 0,9В		12	200	7,5	1164	786	730	683
ЭКГ 0.25/100 (hydrogen)		15	100	9,3	980	690	800	520
ЭК3-1М		30	64-230	10-16,5	1380	800	1045	800
ЭК3-1МС		30	150-200	16,5	1380	800	1045	880
ЭК7,5-3		140	200-400	68-74	1940	1060	1550	2273
ЭК10-3		190	200-400	75-85	2000	1000	1350	2590
ЭКСА7,5-3М-1		135	200-400	75-80	1915	1150	1540	3870
EKCA10		200	200-400	80-85	1915	1150	1640	4000
ЭК30А-2		600	200-400	235	2445	1580	1455	3800
ЭКСА25-1	475	400	190	3500	1585	1825	8000	
ГКВ2А		24	200	12	1770	1060	1100	1680
КCBA7,5		140	200-400	74	3250	1350	1650	6800



ЭК3-1



ЭКСА7,5-3М1



КCBA7,5



Autonomous, not requiring mass foundation, free-piston diesel-compressors for air compression

DK2-3P

Index	Functional diagram	Delivery, m ³ /h	Terminal pressure, kgf/cm ²	Consumed power, h. p.	Dimensions, mm			Mass, kg
					Length	Width	Height	
DK2-3P		110	150-230	65	2200	940	910	1060
DK10-2P		180	230-400	130	3015	900	1110	2240
18DKCP		180	230-400	130	3015	975	1220	3570



Automated piston compressors with water and air cooling for starting diesel installations and other manufacturing needs

Index	Functional diagram	Delivery, m ³ /h	Terminal pressure, kgf/cm ²	Consumed power, kW	Dimensions, mm			Mass, kg
					Length	Width	Height	
1ЭКПВ30/32		30	25-32	11	1460	850	1190	790
1ЭКПВ50/32		50	25-32	14,5	1460	850	1190	850
1ЭКПВ70/32M		70	25-32	19,7	1460	850	1190	840
1ЭКПВ140/32		125	25-32	33	1520	690	1230	1130
1ЭКПВ210/32		195	25-32	48,5	1520	690	1230	1150
ЭКПВ15/32		15	32	5,5	885	590	685	
ЭКПВ15/64		15	64	7,5	885	590	685	195
ЭКПВ30/32		30±5%	32	10,0	1010	730	680	340
ЭКПВ30/64		30±5%	64	10,5	1010	730	680	340

Automated low-pressure piston compressors for general industrial purposes and shipboard needs

Index	Functional diagram	Delivery, m ³ /h	Terminal pressure, kgf/cm ²	Consumed power, kW	Dimensions, mm			Mass, kg
					Length	Width	Height	
1ЭКВ180/10		180	10	31	1520	940	1420	1160
1ЭКВ280/7		265	7	45	1520	940	1230	1160
1ЭКВ275/9		260	9	45	1520	940	1230	1160
1ЭКВ220/15		220	15	47	1520	940	1230	1160
1ЭКВ240/13		240	13	46	1520	940	1230	1160



Automated piston compressors for starting high-rotative diesel installations and other needs (analog of k2-150 type compressors)

Index	Functional diagram	Delivery, m ³ /h	Terminal pressure, kgf/cm ²	Consumed power, kW	Cooling type	Dimensions, mm			Mass, kg
						Length	Width	Height	
1ЭКПВ15/150 - with electromotor - without electromotor		15	64, 150, 200	8,6	RUNNING WATER	990	560	675	310
						500	560	675	137
1ЭКПВ15/150Г (frequency - 400 герц)		15	150	12,7		1110	560	810	290
ЭКПВ15/150Р		15	150, 200	10,45	RADIATOR SYSTEM	1430	650	675	341
ЭКПВ15/150В (on. motor)		15	150, 200	8,6		1235	650	675	320

Automated piston compressors for nuclear and heat energy stations, air switches of high-voltage power transmission lines and other needs

Index	Delivery, m ³ /h	Terminal pressure, kgf/cm ²	Consumed power, kW	Dimensions, mm			Mass, kg
				Length	Width	Height	
ЭКЗ-1	30	45-230	9-16,5	1380	800	1045	800
СКАВ6	6	35	5	1000	600	600	150
1ЭКВ140/40	140	40	45	1894	1150	1336	2123
1ЭКВ140/100	140	100	49	1894	1150	1336	2123
1ЭКВ140/230	140	230	65	1894	1150	1336	2168
1ЭКВ190/40	190	40	60	1894	1150	1311	1988
1ЭКВ190/100	190	100	62	1894	1150	1311	1988
1ЭКВ190/230	190	230	68	1894	1150	1336	2123



START-2

Piston compressors with air cooling for supplying purified compressed air to agualungist, divers, firemen, rescuers using isolating respirators

Index	Delivery, m ³ /h	Terminal pressure, kgf/cm ²	Consumed power, kW	Dimensions, mm			Mass, kg
				Length	Width	Height	
СКАВ20/30	20	300	13	1200	700	700	200
СТАРТ-1М (electrocompressor)	3,4	200	3	740	480	370	78
СТАРТ-2 (motor-driven compressor)	2	200	2,2	700	420	420	36



SCREW COMPRESSORS

Index	Delivery, m ³ /h	Terminal pressure, kgf/cm ²	Consumed power, kW	Dimensions, mm			Mass, kg
				Length	Width	Height	
BK-0/5	0,65; 0,54; 0,43	8; 10; 13	4,0	605	945	900	190
BK-0,8	0,88; 0,78; 0,65	8; 10; 13	5,5	605	945	900	190
BK-1	1,2; 1,07; 0,87	8; 10; 13	7,5	605	945	900	190
BK-1,5	1,7; 1,5; 1,32	8; 10; 13	11,0	605	945	900	220
BK-2	2,24; 1,98; 1,63	8; 10; 13	15,0	605	945	900	235
BK-2,5	2,52; 2,17; 1,75	8; 10; 13	15,0	795	1270	11700	435
BK-2,8	2,97; 3,62; 2,27	8; 10; 13	18,5	795	1270	11700	450
BK-3	3,54; 3,12; 2,67	8; 10; 13	22,0	795	1270	11700	485
BK-4	4,60; 4,12; 3,40	8; 10; 13	30,0	795	1270	11700	585
BK-5	5,78; 5,15; 4,42	8; 10; 13	37,0	795	1270	11700	595
BK-6	5,97; 5,57; 4,60	8; 10; 13	37,0	1520	850	1355	830
BK-8	8,07; 7,04; 5,50	8; 10; 13	45,0	1520	850	1355	900
BK-10	9,37; 8,6; 7,0	8; 10; 13	55,0	1520	850	1355	1000
BK-11	11,86; 10,4; 9,10	8; 10; 13	75,0	1520	850	1355	1050
BK-12	12,9; 11,45; 10,0	8; 10; 13	75,0	2300	1400	1525	1925
BK-15	15,53; 13,54; 11,90	8; 10; 13	90,0	2300	1400	1525	2000
BK-18	18,24; 16,06; 14,25	8; 10; 13	110,0	2300	1400	1525	2300
BK-20	20,47; 18,04; 16,0	8; 10; 13	132,0	2300	1400	1525	2400
BK-25	26,84; 24,65; 21,18	8; 10; 13	160,0	2300	1400	1525	3200
BK-30	30,15; 28,84; 24,95	8; 10; 13	200,0	2300	1400	1525	3400



Automated membrane compressors with drive from electromotor for pumping over nitrogen and oxygen

ЭКГМ200/220

Index	Delivery, m ³ /h	Terminal pressure, kgf/cm ²	Consumed power, kW	Dimensions, mm			Mass, kg
				Length	Width	Height	
ЭКГМ 35/200P (nitrogen)	35	200	30	2200	1480	1600	4510
ЭКГМ 350/350A (nitrogen)	350	350	30	2500	1450	1880	5100
ЭКГМ 200/220 (oxygen)	200	220	36	2320	1550	1880	5400
ЭКГМ 140/280 (oxygen)	140	280	38	2100	1500	1880	5300



Units for drying and purifying high-pressure compressed air from moisture, oil and mechanical impurities

Index	Capacity, m ³ /h	Working pressure, kgf/cm ²	Dimensions, mm			Mass, kg
			Length	Width	Height	
10 Б0-2	600	400	1100	500	1510	590
19 Б0	32	200	580	470	1205	215
28 Б0	200	400	950	525	1330	450
29 Б0-1	32	200	780	575	1175	320
41 Б0	24	400	580	600	1210	210
42 Б0	20	300	450	190	1445	120

Units and systems for drying and purifying low-pressure and average-pressure compressed air from moisture, oil and mechanical impurities

Index	Capacity, m ³ /h	Working pressure, kgf/cm ²	Dimensions, mm			Mass, kg
			Length	Width	Height	
24Б0	70	25	1120	550	1230	340
32Б0-1	5	45	400	500	1350	235
БООП	280	10	488	406	1255	130
СООБ	70-280	9-40	480	340	715	70



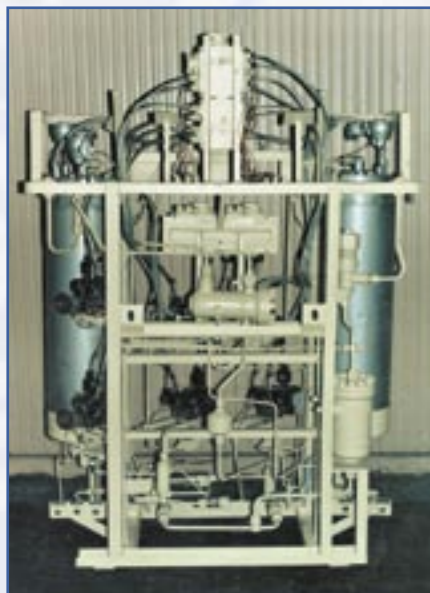
Equipment for producing compressed natural gas

Car gasfilled compressor station АГНКС БК-75 in unit-container version for filling gas-balloon cars with compressed natural gas:
 gas pressure: inlet – 1-12 kg/cm²;
 outlet – 250 kg/cm²;
 number of fillings during twenty-four hours – 75.



Automated compressor units with piston compressors for compression natural gas

Index	Delivery, m ³ /h	Pressure, kgf/cm ²		Power, kW	Dimensions, mm			Mass, kg
		Inlet	Outlet		Length	Width	Height	
КУПГ with gas ICE (n=1200 r/m)	225-370	1-12	250	55-75	2800	1200	1800	3300
ЭКУПГ with electromotor (n=1000 r/min)	180-300			46-65	2100	1200	1650	2100



Units for drying and purifying compressed natural gas from moisture, oil and mechanical impurities

Index	Capacity, m ³ /h	Working pressure, kgf/cm ²	Dimensions, mm			Mass, kg	Note
			Length	Width	Height		
БОПГ	270	250	1340	555	1950	560	automat.
БОПГ-1	250	250	1340	555	1950	540	automat.
БОПГА	450	100	1340	510	1950	550	full automat.
БОПГА-1	450	100	1340	510	1950	550	not full automat.



Installation of prepare impulse gas УПИГ for drying and purifying natural gas before using to control lock armature on site of gas branch

Index	Capacity, m ³ /h	Working pressure, kgf/cm ²	Dimensions, mm			Mass, kg	Note
			Length	Width	Height		
in container	300-750	55-100	3100	2100	2500	2500	full or not full automation
without container	300-750	55-100	1340	1000	2100	900	

УПИГ supply gas feed in pressure range from 40 till 100 kgf/cm² with delivery from 300 till 750 m³/h. УПИГ is delivered in container or without container in 8 modifications of complete set.

Installation of prepare fuel, start and impulse gas УПГ:

- for prepare start and fuel gas for gas transfer units (ГПА) with drive of blowers by gas turbines (ГТУ);
- for prepare impulse gas using for pneumatic control armature.

Full automated installation.

Installation is delivered in unit-container form in full manufacturer preparing or in technology modules for assembly in customer building.

Capacity УПГ – in range 20.000... 40.000 m³/h.

Piston detanders:

- for natural gas liquation;
- for feeding air cooling with temperature from –20° C up to –150° C



Gas-balloon apparatus for using compressed natural and liquated oil gas in car engines as a motor fuel

Working medium	Engine volume, L	Car run, km	Kit mass (without balloon), kg
Compressed natural gas	2,5	250	15
	4,2-6,0	260-300	50
Liquated oil gas	2,5	450	12
	4,2-6,0	545-500	50



Shipboard tonnage equipment with electrodrive

Mechanism type	Traction, kN (тп)	Power, kW	Dimensions, mm			Mass, kg
			Length	Width	Height	
Anchor winch ЛЯЭ 0,5/0,7	5-7 (0,5-0,7)	1,3	960	720	543	334
Double-drum winch special	15 (1,5)	4,8	1730	1500	1325	1410
Winch ЛЭР СПУ 5/80	5 (0,5)	1,5	445	371	350	90,5
Crane-beam with winch ЛЭР СПУ 5/80	5 (0,5)		2997	605	2460	282
Drive unit special	15 (1,5)	4,8	985	705	278	344

Ship's armature made of light alloys:

- stop, unreturn-stop, unreturn valves;
- drain, pass cocks;
- stop valves with an electric drive;
- deck bushes;
- air, oil, fuel filters.

Joint-stock company "COMPRESSOR" is opened for expansion of contractes and offers different types of cooperation:

- DELIVERY OF OUR PRODUCTS AND SPARE PARTS;
- SERVICE AND REPAIR;
- MANUFACTURE AND DELIVERY DIFFERENT SPRINGS TO CUSTOMER'S DRAWINGS;
- WORK OUT AND INTRODUCTION OF NEW DESIGNS;
- ISSUE OF PRODUCTION ACCORDING TO CUSTOMER'S DOCUMENTS.