

# Electrically Driven Gas Pumping Units

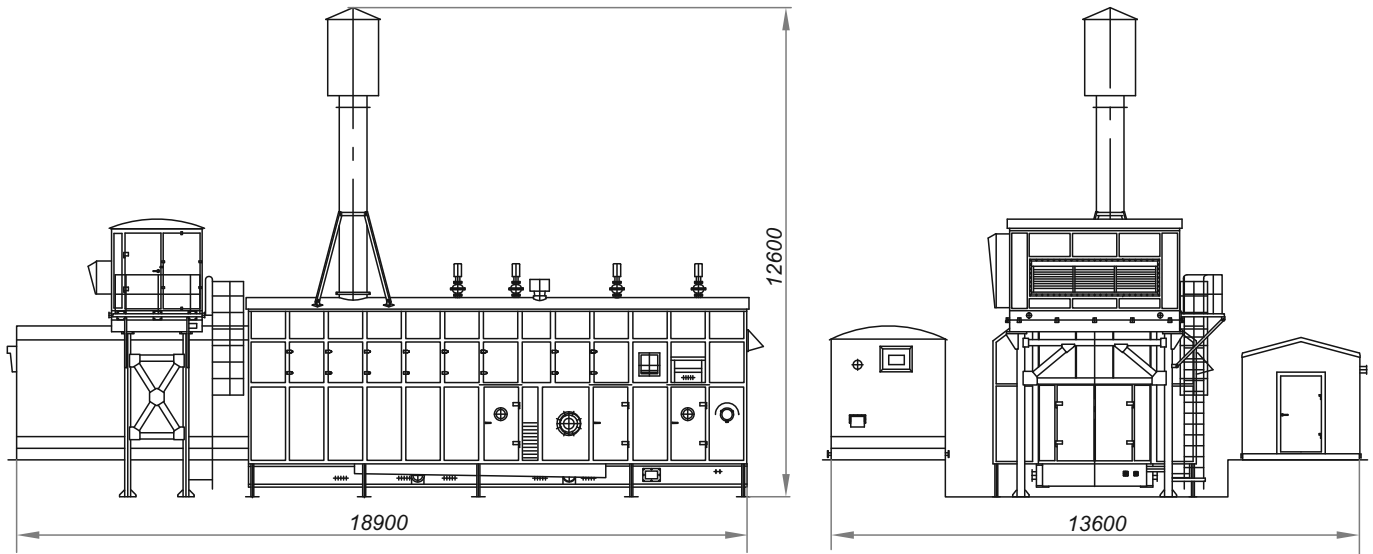


No.	Suction Pressure kgf/cm <sup>2</sup>	Discharge Pressure kgf/cm <sup>2</sup>	Flow Rate Capacity MMCMD	Recommended EGPA	Catalogue page No.
1	5.84	11.0	0.535	EGPA-C-1.0/11-1.92M1	56

#### Electrically driven gas pumping unit identification legend

For example: **EGPA-C-1.0/11-1.92M1**

- EGPA - electrically driven gas pumping unit;
- C - the unit includes a centrifugal compressor:
  - C1...C5 - modifications of compressor rotor bundles;
- 1.0 - driver engine capacity, MW;
- 11 - compressor discharge pressure, kgf/cm<sup>2</sup>;
- 1.92 - pressure ratio;
- M1 - compressor design:
  - M - with magnetic suspension of rotor a and dry gas seal ("dopeless" compressor));
  - M1 - cwith oil bearings and a dry gas seal.



### Technical parameters

Climatic modification		«UHL.1»
Flow rate capacity	MMCMD	0.535
Suction pressure	MPa	0.573
Discharge pressure	MPa	1.18
Pressure ratio, design		2.06
Engine type	Electric motor BAO4-560LB-2	
Nominal capacity at engine's coupling (under stationary conditions)	MW	1.0
Nominal rotation speed of power turbine rotor of the engine	rpm	3000
Efficiency (under stationary conditions)	%	95.9
Linear voltage	V	6000
Compressor type	224GC2-72/6-12M1	
Unit weight (dry) in the scope of supply, max	kg	80000

## Electrically Driven Compressor Units



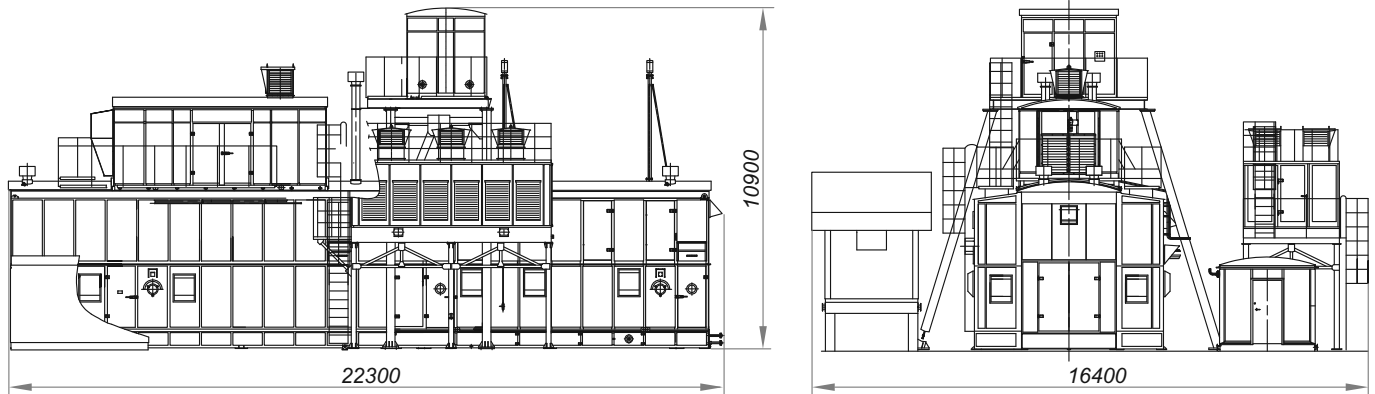
No.	Suction Pressure kgf/cm <sup>2</sup>	Discharge Pressure kgf/cm <sup>2</sup>	Flow Rate Capacity MMCMD	Recommended EKA	Catalogue page No.
1	12.0	49.0	2.16	EKA-C-8/12-49M1	59
2	35.0	74.0	2.119	EKA-C-3.35/35-74M1	60

#### Electrically driven compressor units identification legend

For example: **EKA-C-8/12-49M1**

- EKA - electrically driven compressor unit;
- C - the unit includes a centrifugal compressor;
- 8 - driver engine capacity, MW;
- 12 - suction pressure, kgf/cm<sup>2</sup>;
- 49 - discharge pressure, kgf/cm<sup>2</sup>;
- M1 - compressor design:
  - M - with magnetic suspension of rotor a and dry gas seal ("dopeless" compressor);
  - M1 - with oil bearings and a dry gas seal.

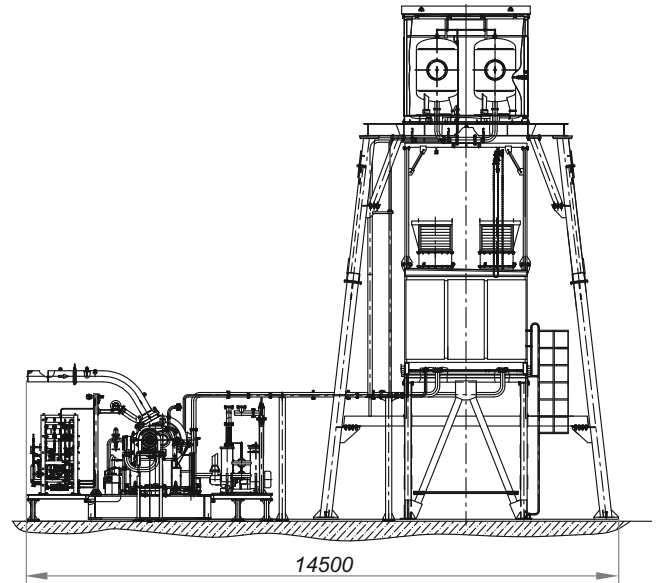
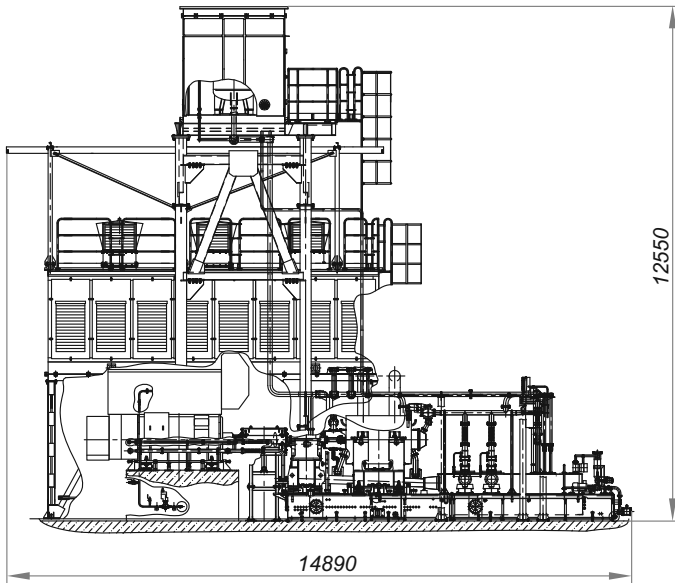
# Electrically Driven Compressor Unit EKA-C-8/12-49M1



### Technical parameters

Climatic modification		«UHL.1»
Flow rate capacity	MMCMD	2.16
Suction pressure	MPa	1.2
Discharge pressure	MPa	4.95
Pressure ratio, design		4.125
Engine type	Electric motor STD-8000-2RBUHL4	
Nominal capacity at engine's coupling (under stationary conditions)	MW	1.0
Nominal rotation speed of power power turbine rotor of the engine	rpm	3000
Motor efficiency	%	97.9
Linear voltage	V	6000
Motor capacity	225GC2-135/12-50M1245	
Unit weight (dry) in the scope of supply, max	kg	180000

# Electrically Driven Compressor Unit EKA-C-3.35/35-74M1



### Technical parameters

Climatic modification		«UHL.1»
Flow rate capacity	MMCMD	2.119
Suction pressure	MPa	3.45
Discharge pressure	MPa	7.34
Pressure ratio, design		2.128
Engine type	Electric motor LT MODEL, 2P, FR560 3350kW "HYOSUNG"	
Nominal capacity at engine's coupling (under stationary conditions)	MW	3.35
Nominal rotation speed of power turbine rotor of the engine	rpm	2960
Motor efficiency	%	96.1
Linear voltage	V	6000
Compressor type	184GC2-41/35-75M124	
Unit weight (dry) in the scope of supply, max	kg	82000