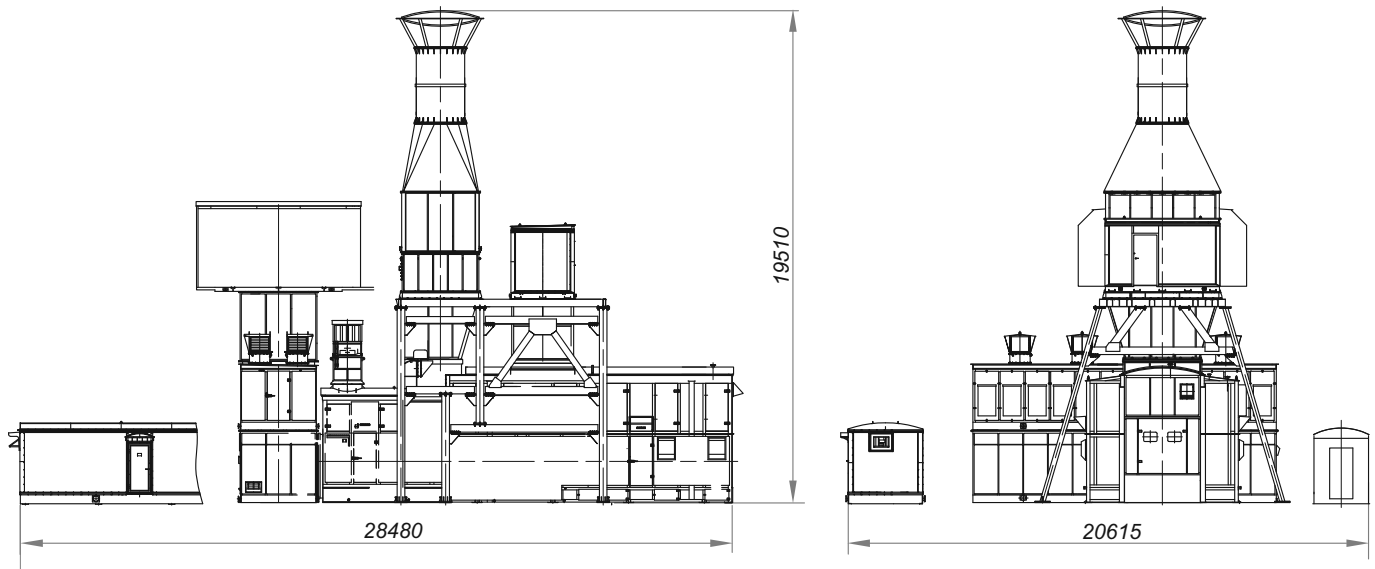


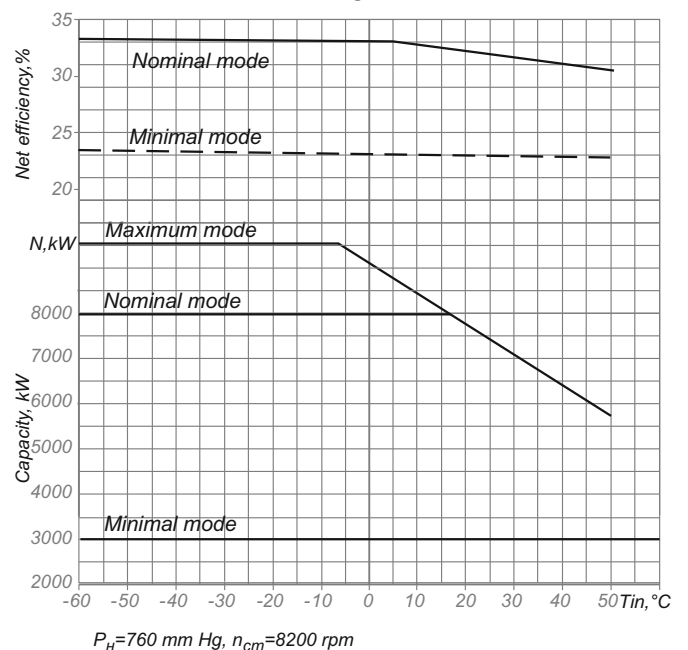
Turbo-Compressor Units

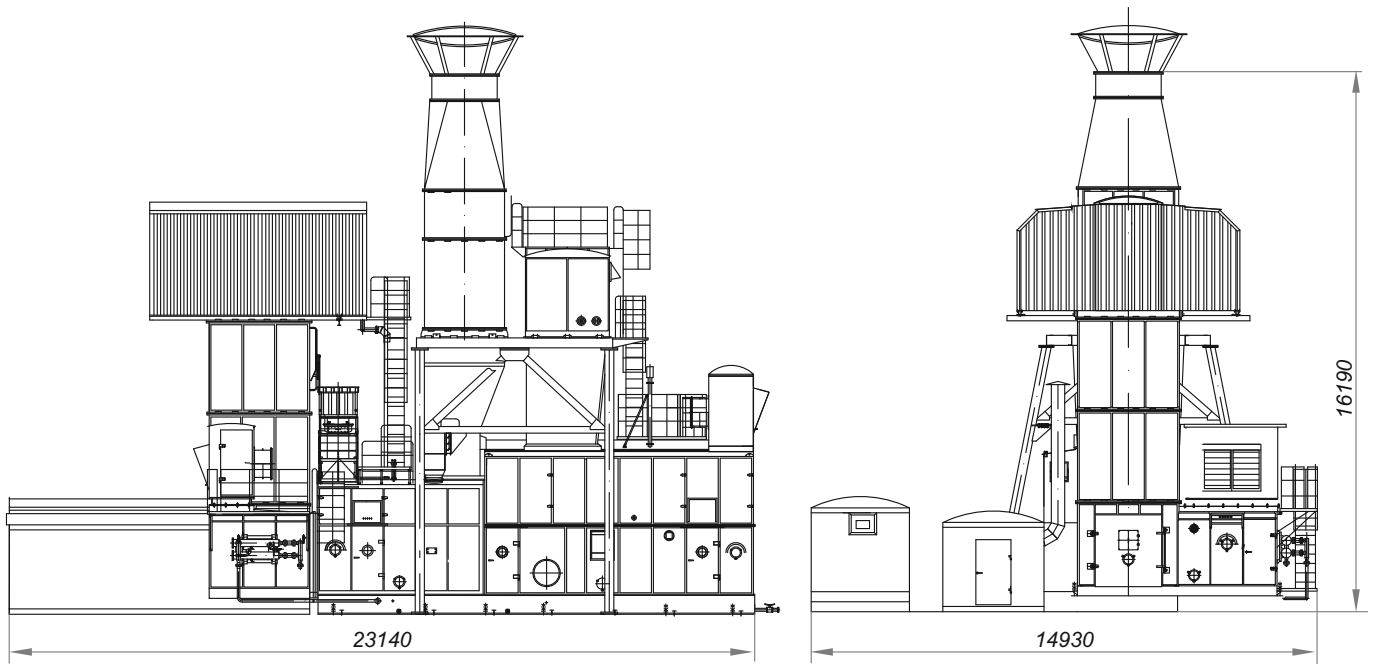




Technical parameters		
Climatic modification		«U.1»
Flow rate capacity	MMCMD	1.3
Suction pressure	MPa	0.16
Discharge pressure	MPa	0.65
Pressure ratio, design		5.6
Engine type	Gas-turbine AI-336-2-8	
Nominal capacity at engine's coupling (under stationary conditions)	MW	8.0
Nominal rotation speed of power turbine rotor of the engine	rpm	8200
Efficiency (under stationary conditions)	%	30.8
Compressor type	252GC1-630/1.6-3.8M1236 252GC1-360/2.8-6.7M123	
Unit weight (dry) in the scope of supply, max	kg	307966

Capacity limitations of AI-336-2-8
depending on air temperature
at the engine's inlet

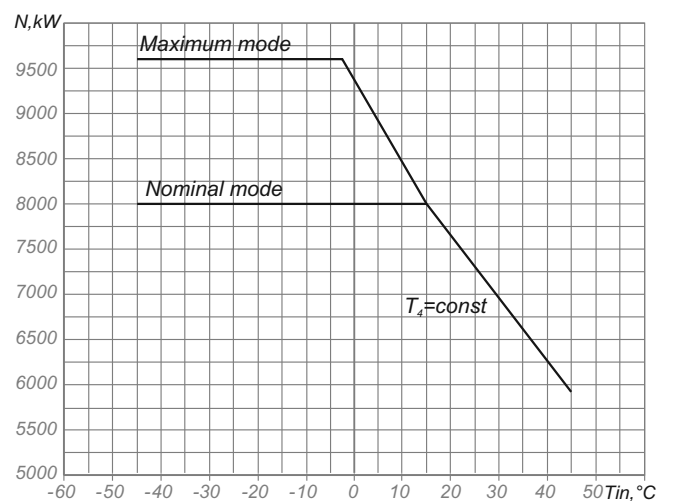


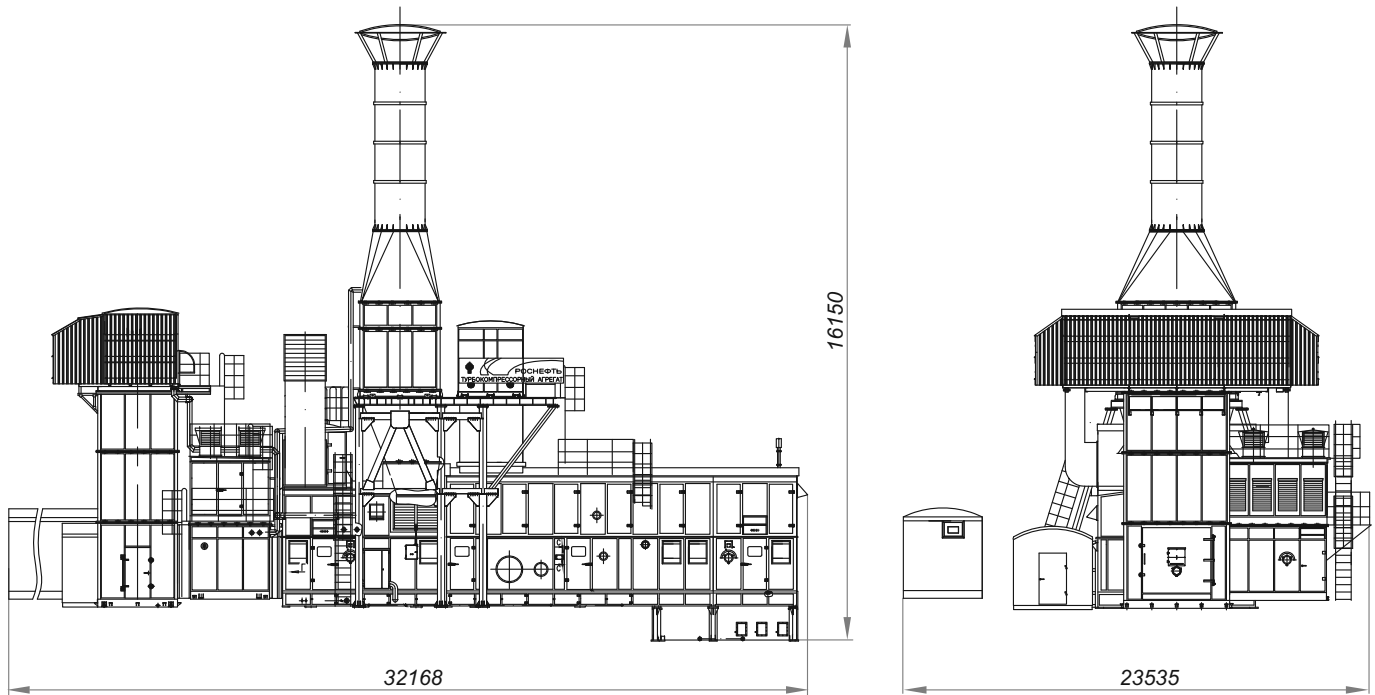


Technical parameters

Climatic modification		«XL.1»
Flow rate capacity	MMCMD	2.48
Suction pressure	MPa	0.233
Discharge pressure	MPa	0.965
Pressure ratio, design		4.14
Engine type		Gas-turbine GTD-6.3RM/8
Nominal capacity at engine's coupling (under stationary conditions)	MW	8.0
Nominal rotation speed of power turbine rotor of the engine	rpm	8200
Efficiency (under stationary conditions)	%	33
Compressor type		D203GC1-710/2.4-10M2
Unit weight (dry) in the scope of supply, max	kg	176000

Capacity limitations of GTD-6.3RM/8
depending on air temperature
at the engine's inlet

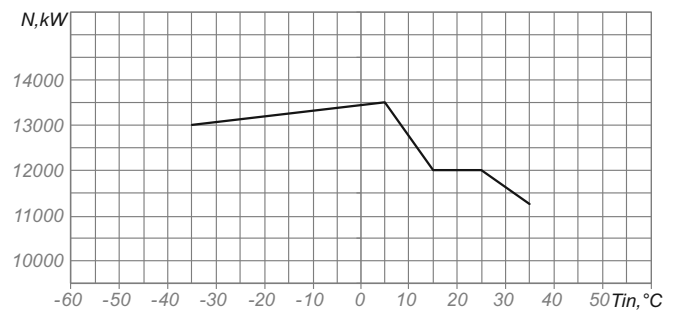




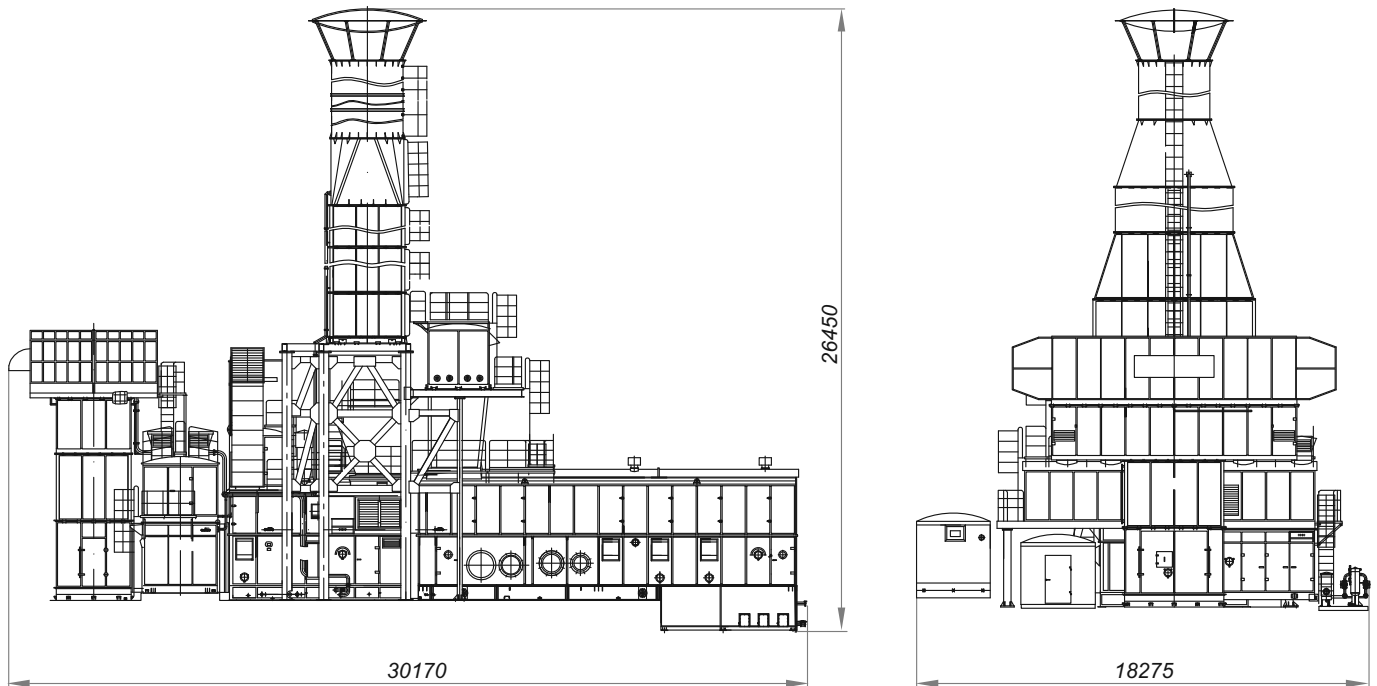
Technical parameters

Climatic modification	«UHL.1»	
Flow rate capacity	MMCMD	1.43
Suction pressure	MPa	0.2
Discharge pressure	MPa	4.7
Pressure ratio, design	23.78	
Engine type	GTU-12P with PS-90GP-1 engine	
Nominal capacity at engine's coupling (under stationary conditions)	MW	12.0
Nominal rotation speed of power turbine rotor of the engine	rpm	6500
Efficiency (under stationary conditions)	%	34
Compressor type	D245GC2-148/7.3-47.5M1245 252GC1-540/2-9M126	
Unit weight (dry) in the scope of supply, max	kg	290000

Capacity limitations of PS-90GP-1 depending on air temperature at the engine's inlet

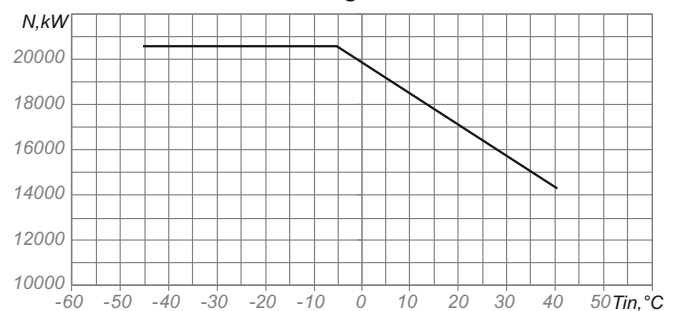


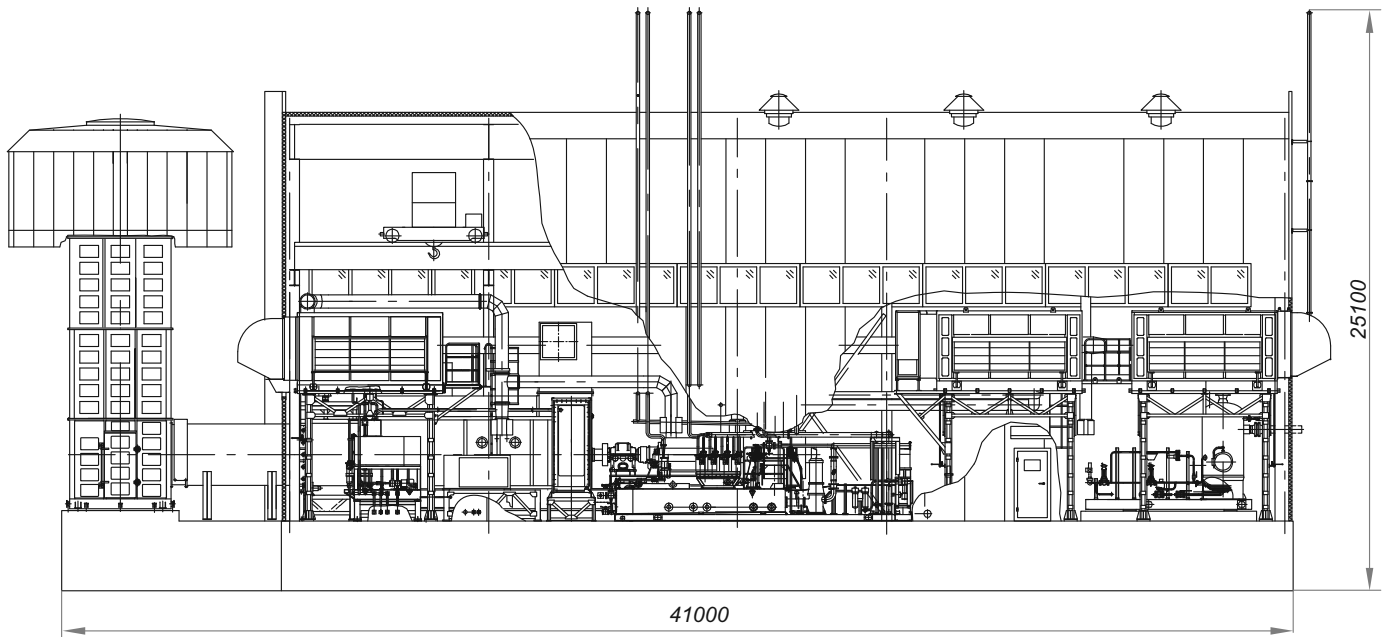
42 Turbo-Compressor Unit TKA-C-16/0.3-5.6M1



Technical parameters		
Climatic modification		«UHL. 1»
Flow rate capacity	MMCMD	2.28
Suction pressure	MPa	0.3
Discharge pressure	MPa	5.6
Pressure ratio, design		18.67
Engine type		Gas-turbine NK-16-18STD
Nominal capacity at engine's coupling (under stationary conditions)	MW	18.0
Nominal rotation speed of power turbine rotor of the engine	rpm	5300
Efficiency (under stationary conditions)	%	29.4
Compressor type		252GC1-600/3-7.5M126 223GC1-260/7-17.5M126 225GC2-105/17-56M124
Unit weight (dry) in the scope of supply, max	kg	280000

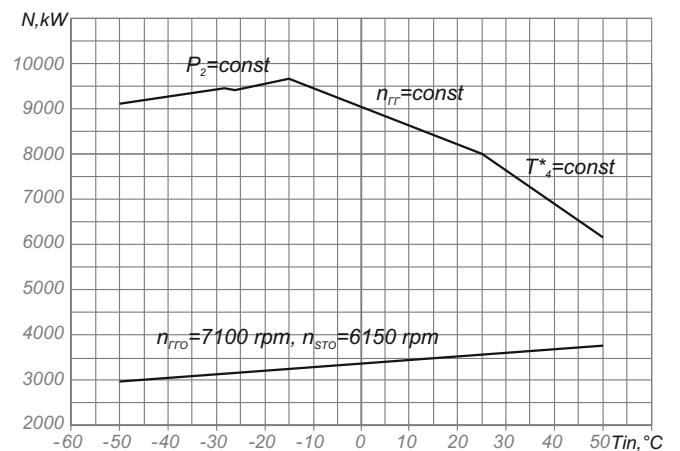
Capacity limitations of NK-16-18STD depending on air temperature at the engine's inlet

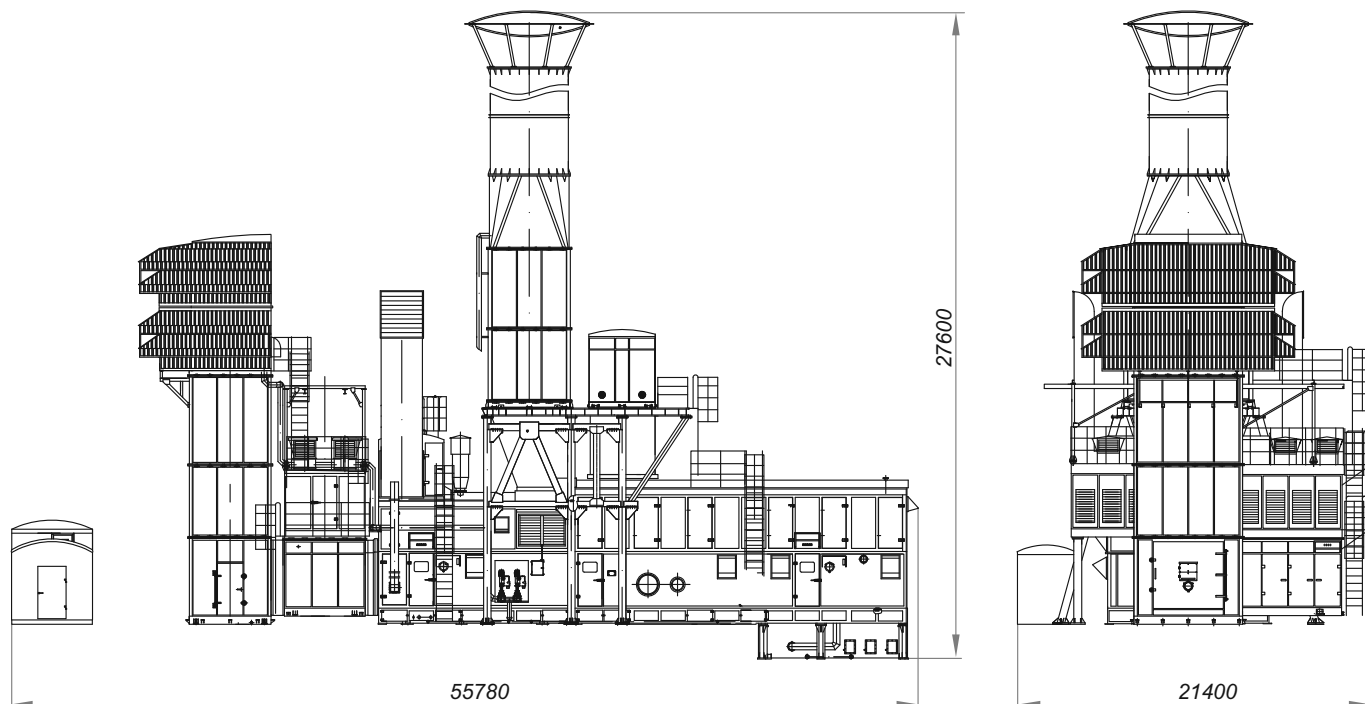




Technical parameters		
Climatic modification:		
for indoors equipment		«UHL.4»
for outdoors equipment		«UHL.1»
Flow rate capacity	MMCMD	1.14
Suction pressure	MPa	0.3
Discharge pressure	MPa	8.0
Pressure ratio, design		27.2
Engine type	Gas-turbine NK-14ST-8	
Nominal capacity at engine's coupling (under stationary conditions)	MW	8.0
Nominal rotation speed of power turbine rotor of the engine	rpm	8200
Efficiency (under stationary conditions)	%	30
Compressor type	193GC1-260/3-12M56 223GC2-75/11.5-82M45	
Unit weight (dry) in the scope of supply, without shelter, max	kg	480000

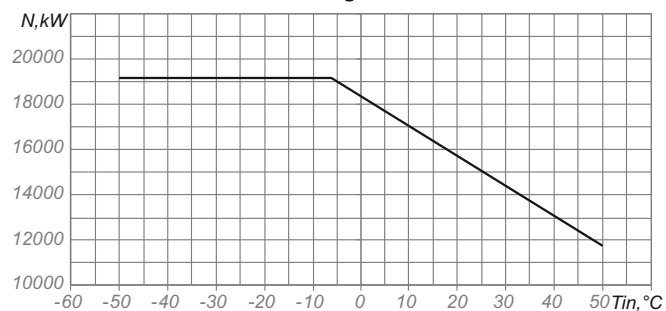
Capacity limitations of NK-14ST-8
depending on air temperature
at the engine's inlet

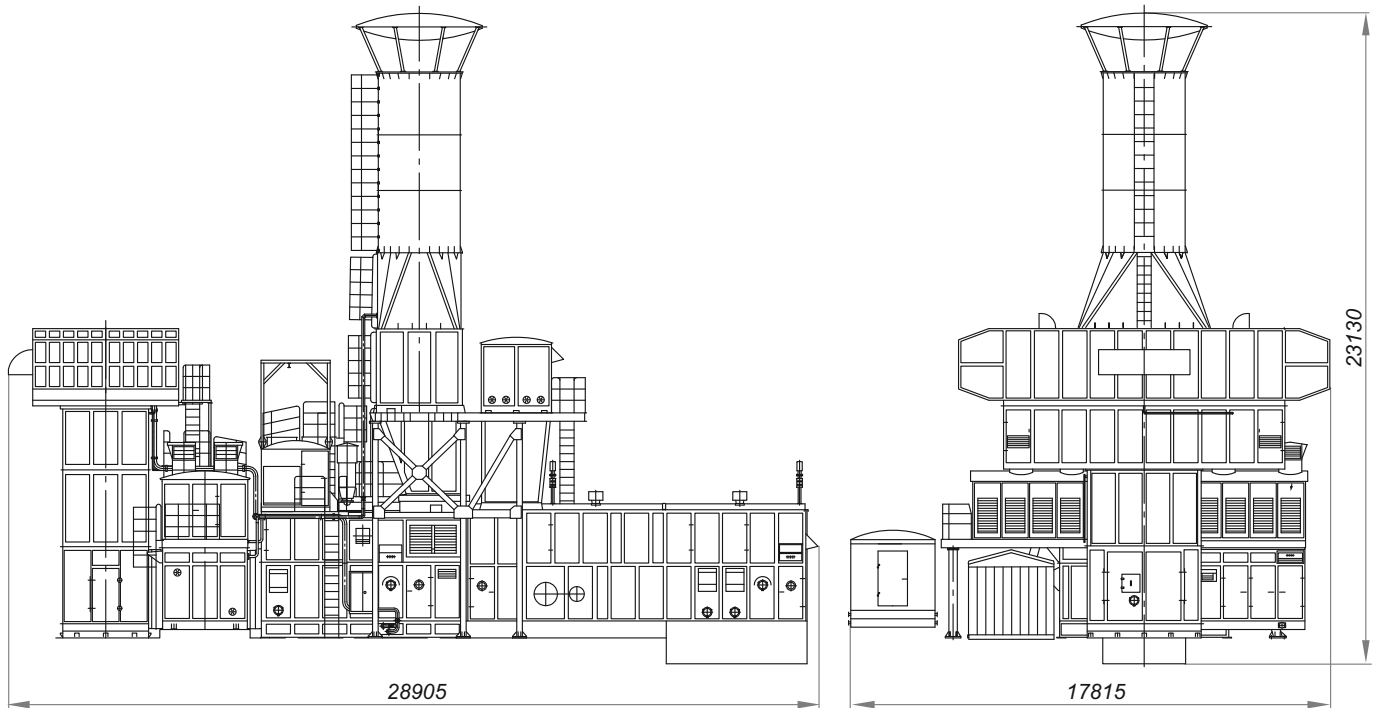




Technical parameters		
Climatic modification		«UHL.1»
Flow rate capacity	MMCMD	1.8
Suction pressure	MPa	0.4
Discharge pressure	MPa	6.1
Pressure ratio, design		15.21
Engine type		Gas-turbine NK-16STD
Nominal capacity at engine's coupling (under stationary conditions)	MW	16.0
Nominal rotation speed of power turbine rotor of the engine	rpm	5300
Efficiency (under stationary conditions)	%	27.4
Compressor type		185GC2-78/17-62M14 193GC1-330/4-17M126
Unit weight (dry) in the scope of supply, max	kg	300000

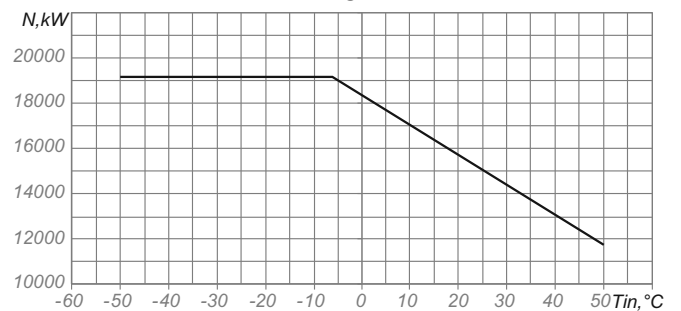
Capacity limitations of NK-16STD
depending on air temperature
at the engine's inlet

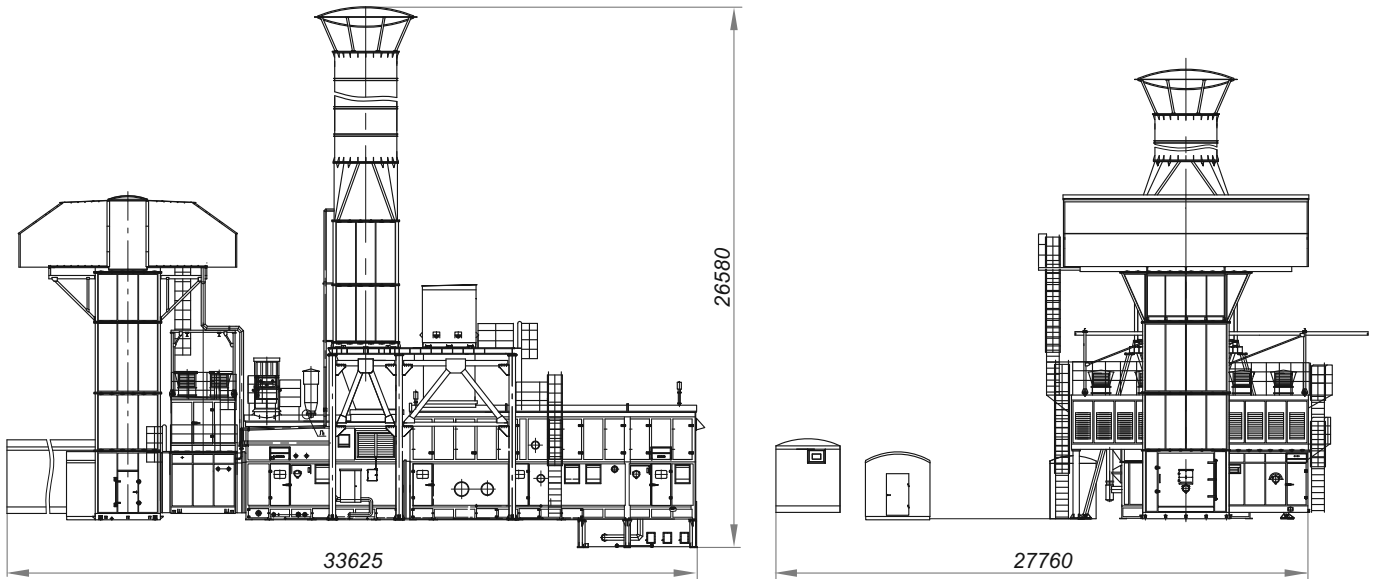




Technical parameters		
Climatic modification		«UHL.1»
Flow rate capacity	MMCMD	2.0
Suction pressure	MPa	0.45
Discharge pressure	MPa	7.6
Pressure ratio, design		16.8
Engine type		Gas-turbine NK-16ST
Nominal capacity at engine's coupling (under stationary conditions)	MW	16.0
Nominal rotation speed of power turbine rotor of the engine	rpm	5300
Efficiency (under stationary conditions)	%	27.5
Compressor type		193GC1-320/4.6-21 223GC2-73/20.5-76
Unit weight (dry) in the scope of supply, max	kg	232500

Capacity limitations of NK-16ST
depending on air temperature
at the engine's inlet

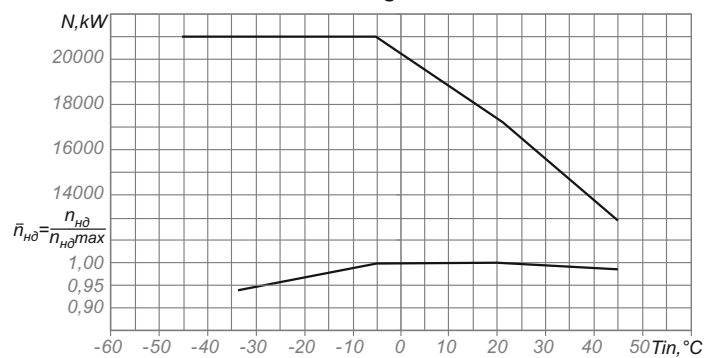


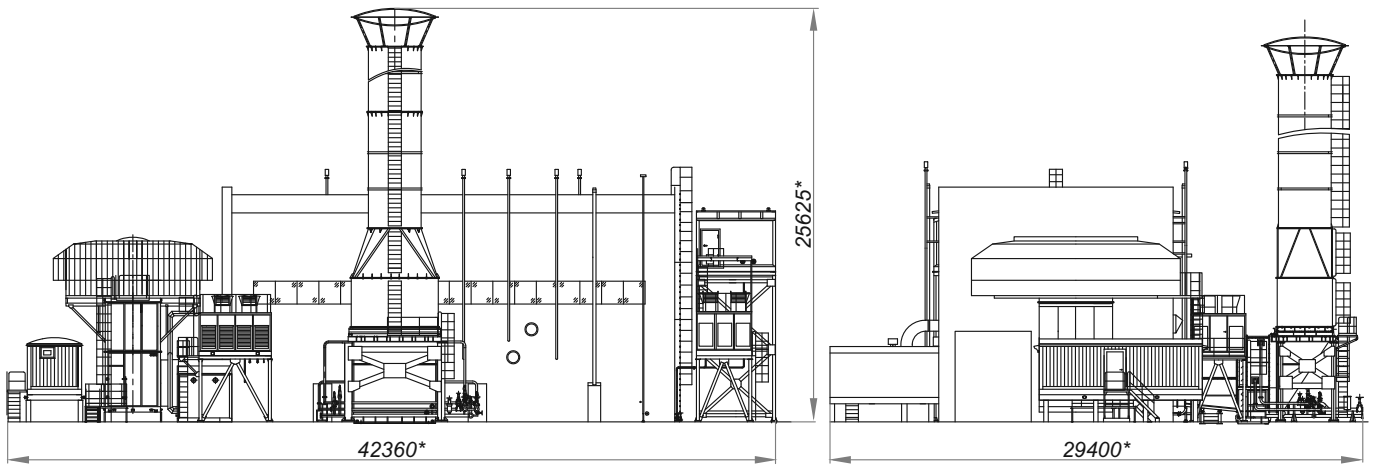


Technical parameters

Climatic modification		«U.1»
Flow rate capacity	млн.ст.м ³ /day	2.3
Suction pressure	МПа	0.5
Discharge pressure	МПа	7.7
Pressure ratio, design		15.4
Engine type	Gas-turbine NK-16-18STD	
Nominal capacity at engine's coupling (under stationary conditions)	MW	18.0
Nominal rotation speed of power turbine rotor of the engine	rpm	5300
Efficiency (under stationary conditions)	%	29.4
Compressor type	252GC1-350/5-16.5M1236 D245GC2-112/15.5-78M1245	
Unit weight (dry) in the scope of supply, max	kg	344296

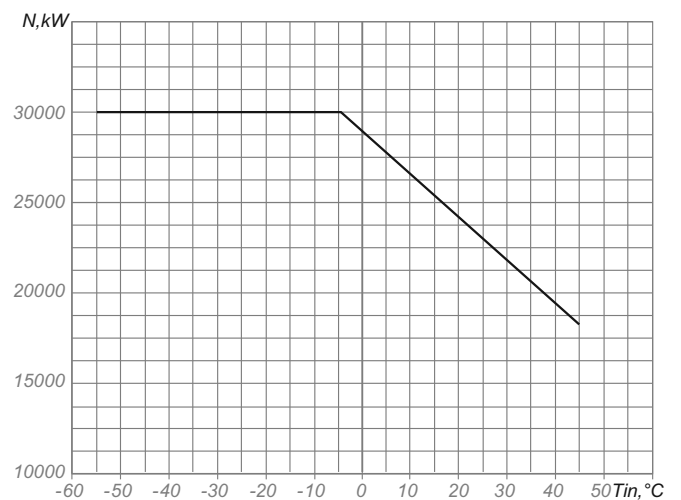
Capacity limitations of NK-16-18STD depending on air temperature at the engine's inlet

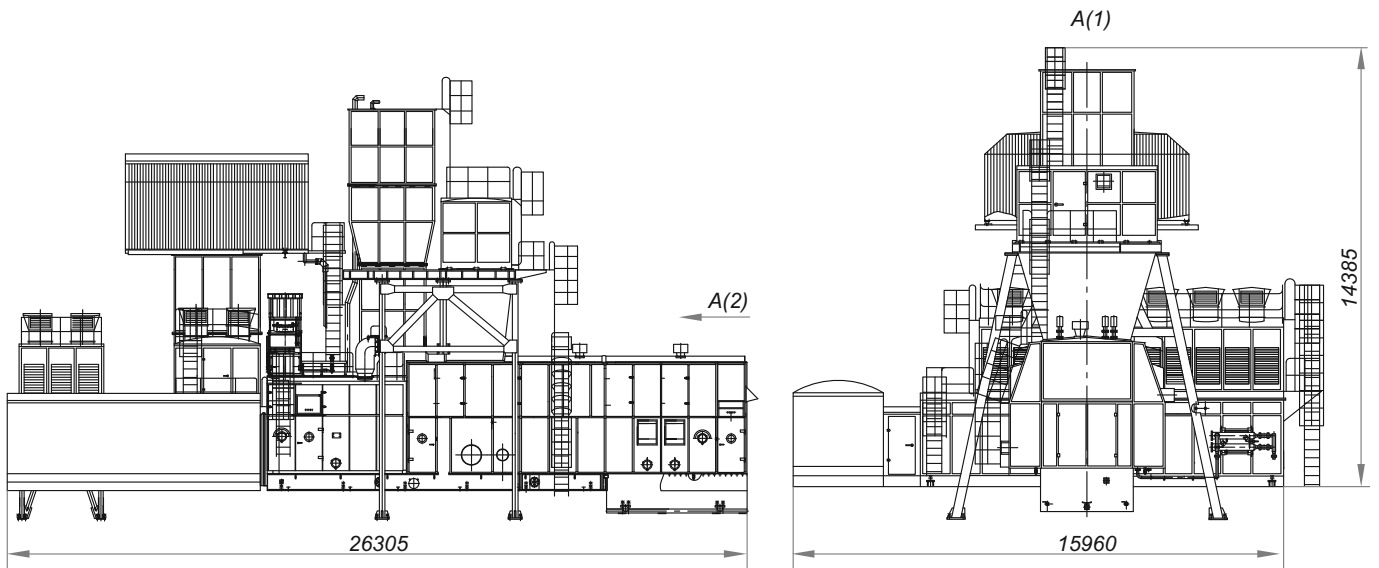




Technical parameters		
Climatic modification:		
for indoors equipment		«UHL.4»
for outdoors equipment		«UHL.1»
Flow rate capacity	MMCMD	5.4
Suction pressure	MPa	0.6
Discharge pressure	MPa	5.5
Pressure ratio, design		9.5
Engine type	Gas-turbine DU80L1	
Nominal capacity at engine's coupling (under stationary conditions)	MW	25.0
Nominal rotation speed of power turbine rotor of the engine	rpm	5000
Efficiency (under stationary conditions)	%	34.8
Compressor type	C325GC2-650/6-56M12	
Unit weight (dry) in the scope of supply, max	kg	310000

Capacity limitations of DU80L1
depending on air temperature
at the engine's inlet

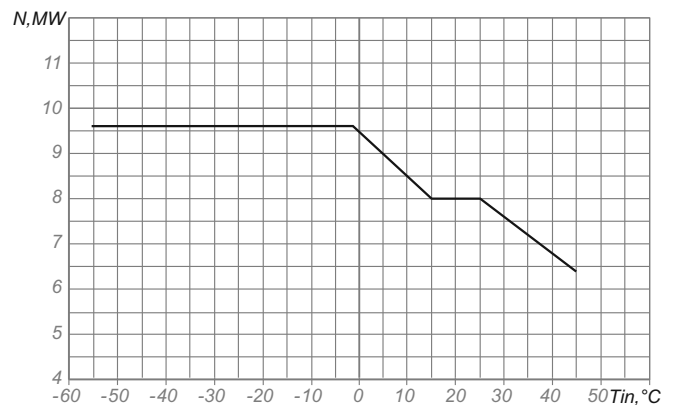


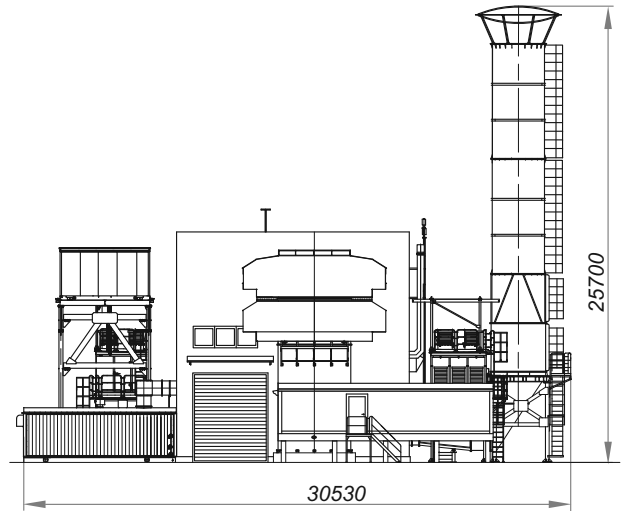
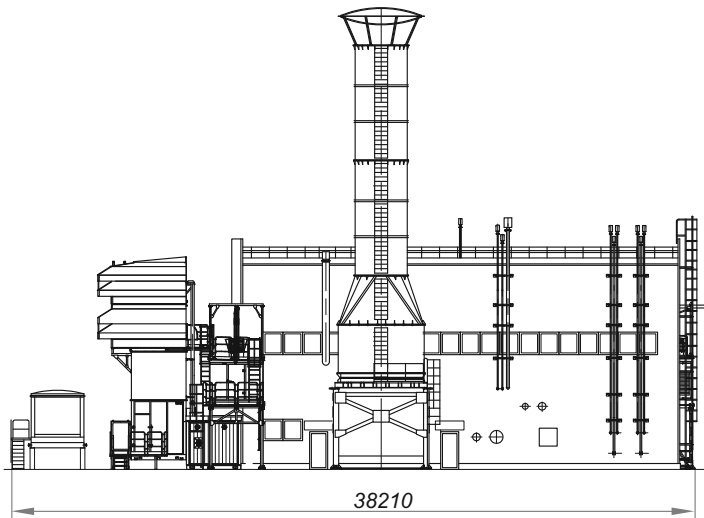


Technical parameters

Climatic modification		«UHL.4»
Flow rate capacity	MMCMD	1.58
Suction pressure	MPa	1.0
Discharge pressure	MPa	4.6
Pressure ratio, design		4.6
Engine type		Gas-turbine DT70P1
Nominal capacity at engine's coupling (under stationary conditions)	MW	8.0
Nominal rotation speed of power turbine rotor of the engine	rpm	8200
Efficiency (under stationary conditions)	%	32.45
Compressor type		193GC1-200/6-19M6 185GC2-68/18-46M45
Unit weight (dry) in the scope of supply, max	kg	171425

Capacity limitations of DT70P1
depending on air temperature
at the engine's inlet

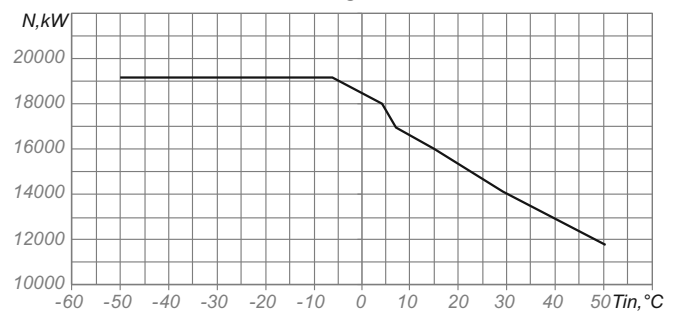


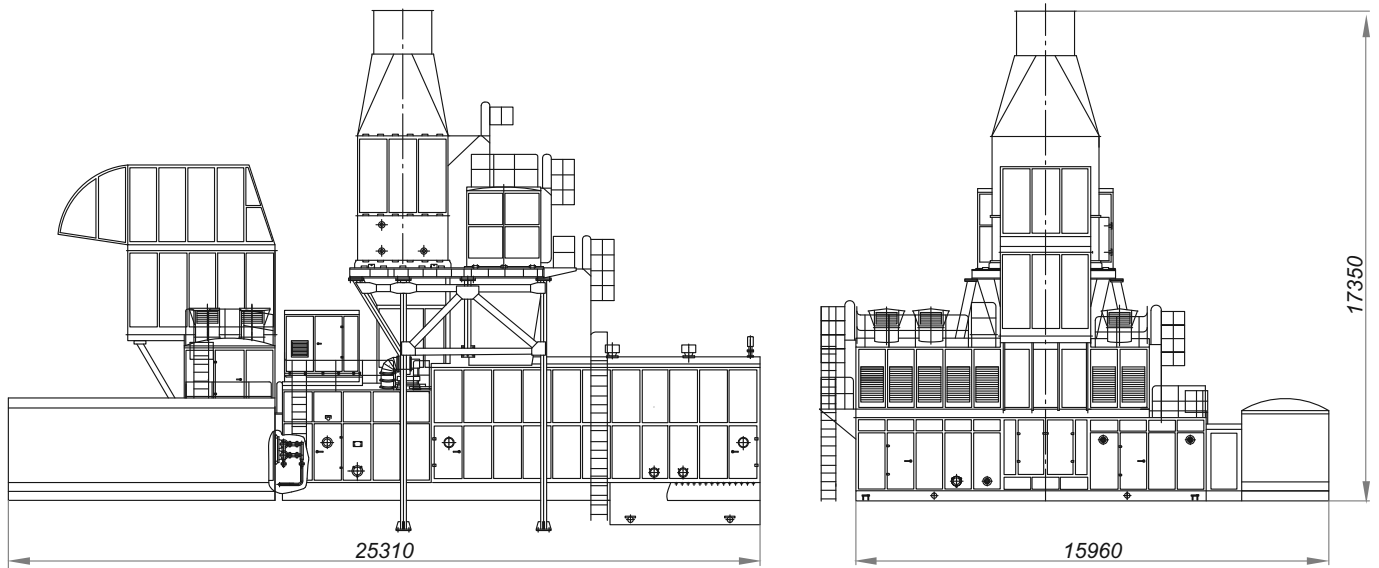


Technical parameters

Climatic modification		«U.1»
Flow rate capacity	MMCMD	1.52
Suction pressure	MPa	0.97
Discharge pressure	MPa	8.15
Pressure ratio, design		8.1
Engine type		Gas-turbine NK-16ST
Nominal capacity at engine's coupling (under stationary conditions)	MW	16.0
Nominal rotation speed of power turbine rotor of the engine	rpm	5350
Efficiency (under stationary conditions)	%	27.4
Compressor type	194GC1-115/10-30M12356 185GC2-42/29-82M12345	
Unit weight (dry) in the scope of supply, max	kg	191021

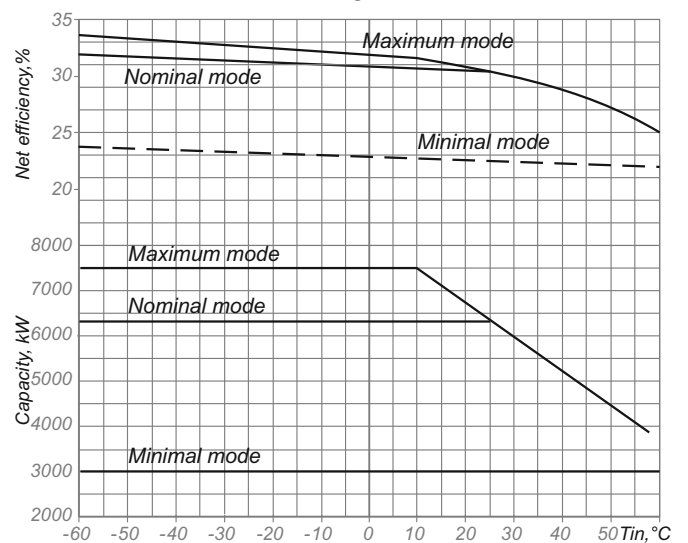
Capacity limitations of NK-16ST depending on air temperature at the engine's inlet

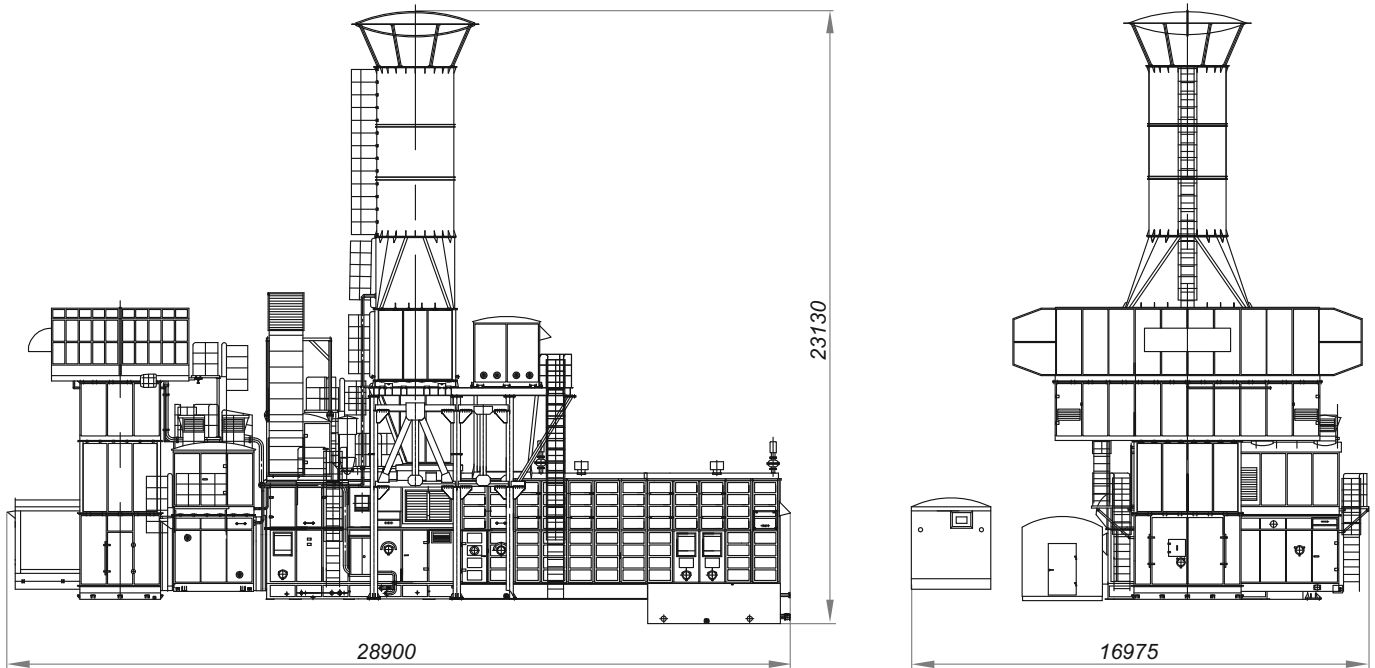




Technical parameters		
Climatic modification		«UHL.1»
Flow rate capacity	MMCMD	1.65
Suction pressure	MPa	1.75
Discharge pressure	MPa	7.6
Pressure ratio, design		4.364
Engine type		Gas-turbine D-336-2T
Nominal capacity at engine's coupling (under stationary conditions)	MW	6.3
Nominal rotation speed of power turbine rotor of the engine	rpm	8200
Efficiency (under stationary conditions)	%	30
Compressor type		183GC2-64/18-78M45
Unit weight (dry) in the scope of supply, max	kg	182000

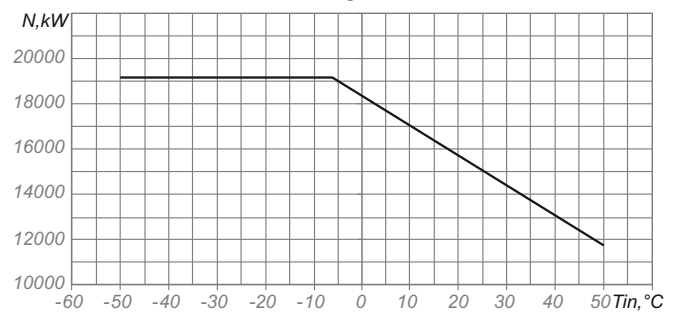
Capacity limitations of D-336-2T
depending on air temperature
at the engine's inlet

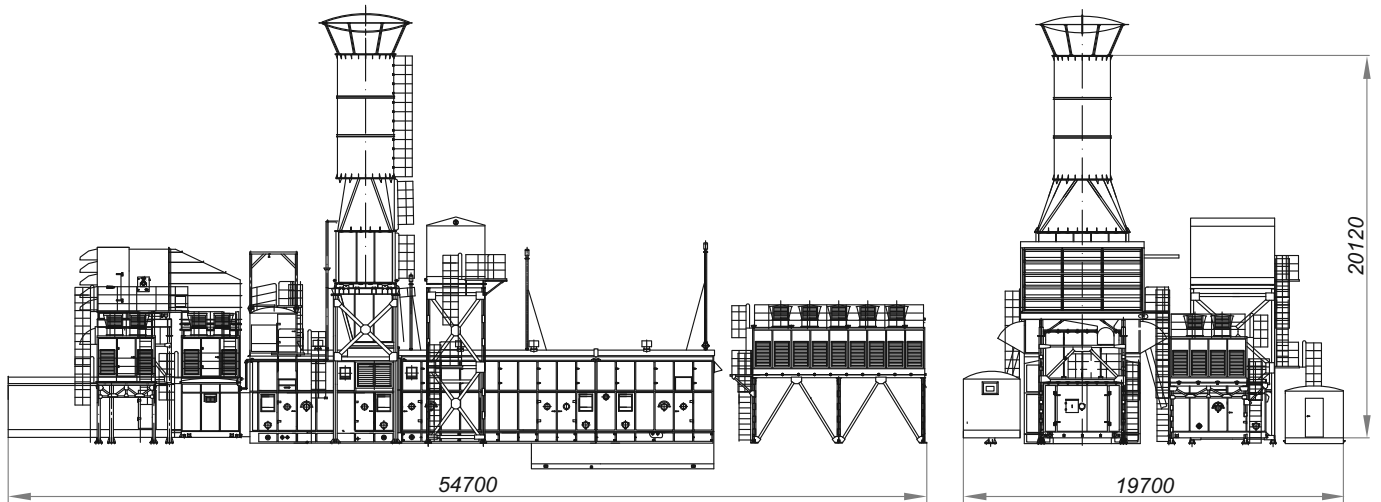




Technical parameters		
Climatic modification		«UHL.1»
Flow rate capacity	MMCMD	3.48
Suction pressure	MPa	2.1
Discharge pressure	MPa	7.9
Pressure ratio, design		3.76
Engine type		Gas-turbine NK-16ST
Nominal capacity at engine's coupling (under stationary conditions)	MW	16.0
Nominal rotation speed of power turbine rotor of the engine	rpm	5300
Efficiency (under stationary conditions)	%	27.5
Compressor type	225GC2-125/21-80M124	
Unit weight (dry) in the scope of supply, max	kg	249000

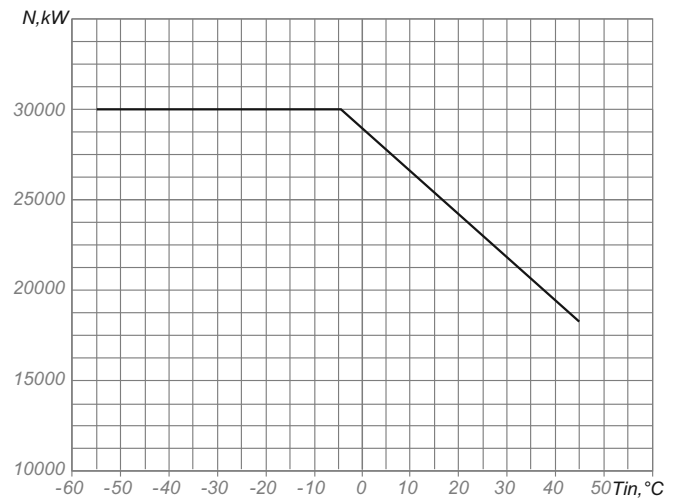
Capacity limitations of NK-16ST
depending on air temperature
at the engine's inlet

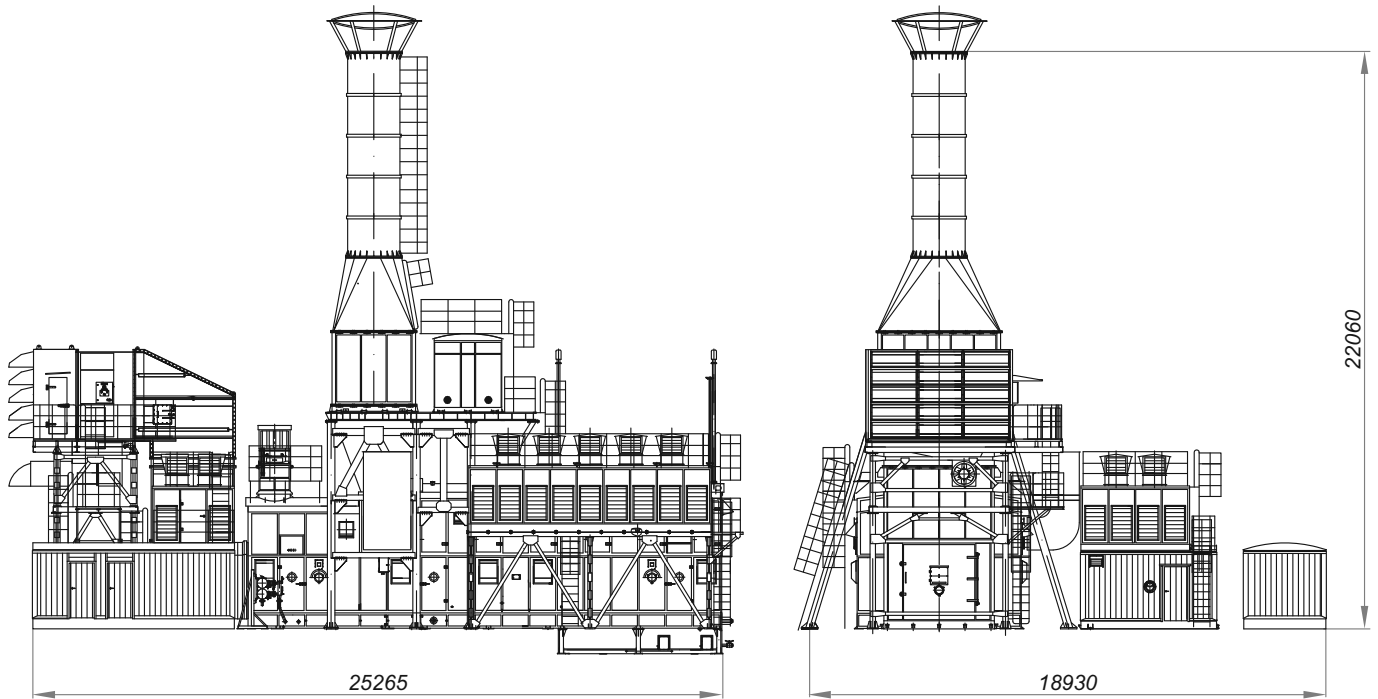




Technical parameters		
Climatic modification		«T.1»
Flow rate capacity	MMCMD	3.64
Suction pressure	MPa	4.2
Discharge pressure	MPa	29.7
Pressure ratio, design		7.02
Engine type	Gas-turbine DU80L	
Nominal capacity at engine's coupling (under stationary conditions)	MW	25.0
Nominal rotation speed of power turbine rotor of the engine	rpm	5000
Efficiency (under stationary conditions)	%	34.8
Compressor type	C153GC2-21/125-300M125 184GC2-60/43-125M1256	
Unit weight (dry) in the scope of supply, max	kg	195000

Capacity limitations of DU80L
depending on air temperature
at the engine's inlet





Technical parameters		
Climatic modification		«T.1»
Flow rate capacity	MMCMD	6.23
Suction pressure	MPa	6.5
Discharge pressure	MPa	15.3
Pressure ratio, design		2.36
Engine type	Gas-turbine DG90L2.1	
Nominal capacity at engine's coupling (under stationary conditions)	MW	16.0
Nominal rotation speed of power turbine rotor of the engine	rpm	5200
Efficiency (under stationary conditions)	%	33.5
Compressor type	154GC2-63/65-155M124	
Unit weight (dry) in the scope of supply, max	kg	245000

Capacity limitations of DG90 depending on air temperature at the engine's inlet

