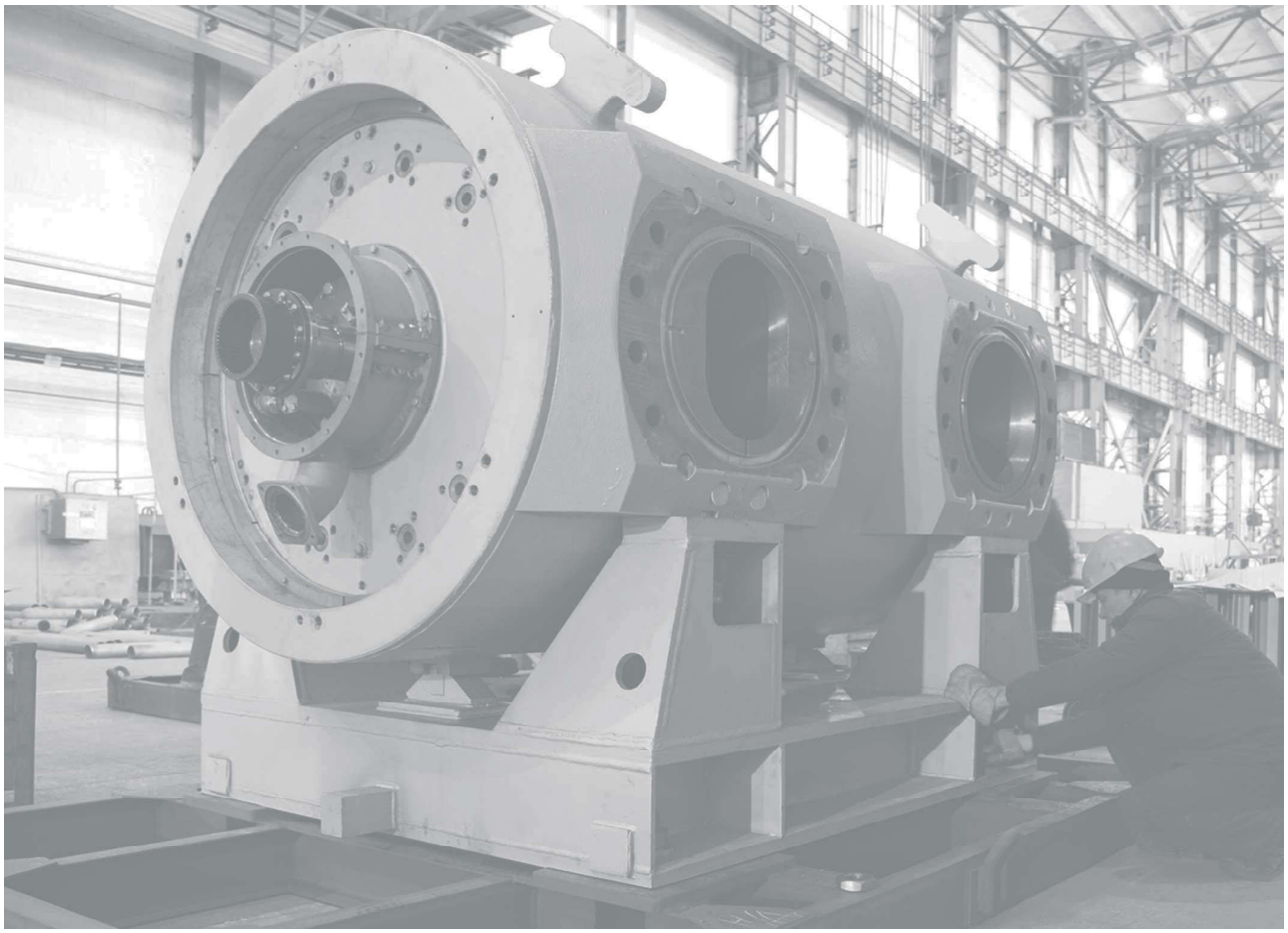
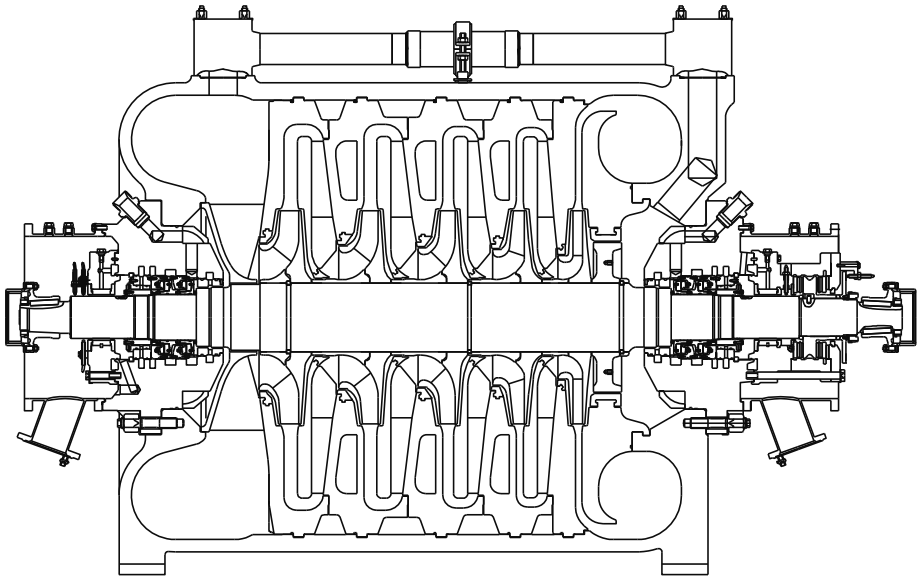
Centrifugal Compressors



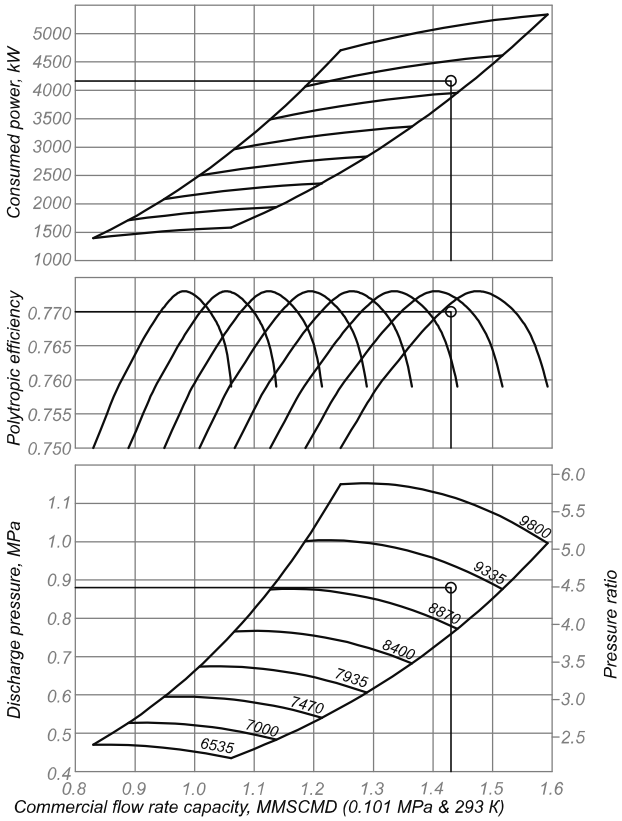
Centrifugal Compressor 252GC1-540/2-9M126



Basic technical parameters of centrifugal compressor 252GC1-540/2-9M126

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	16.55 (1.43)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	8.74 (538.26)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.196 (2.00)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	0.88 (8.97)
Pressure ratio (design)	4.49
Polytropic compressor efficiency, %, min	77.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	152.50 (9150)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	163.3 ÷ 108.9 (9800 ÷ 6535)
Nominal (design) power, consumed by the compressor, MW	4.180
Gas temperature at the compressor inlet, design, K (°C)	308.15 (+35)
Gas temperature rise in the compressor in nominal mode, (design), °C	120.4
Gas deviation factor under compressor inlet conditions	0.994

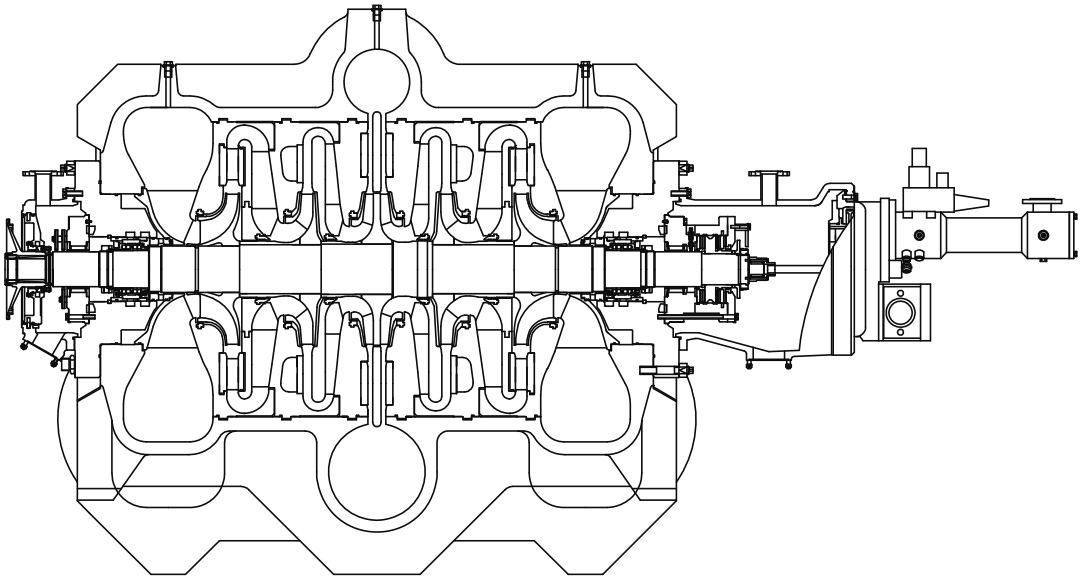
Dimensional characteristics of centrifugal compressor 252GC1-540/2-9M126



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.196*
Suction temperature, K	*308.1*
*Gas constant, J/(kg*deg)*	*354.5*

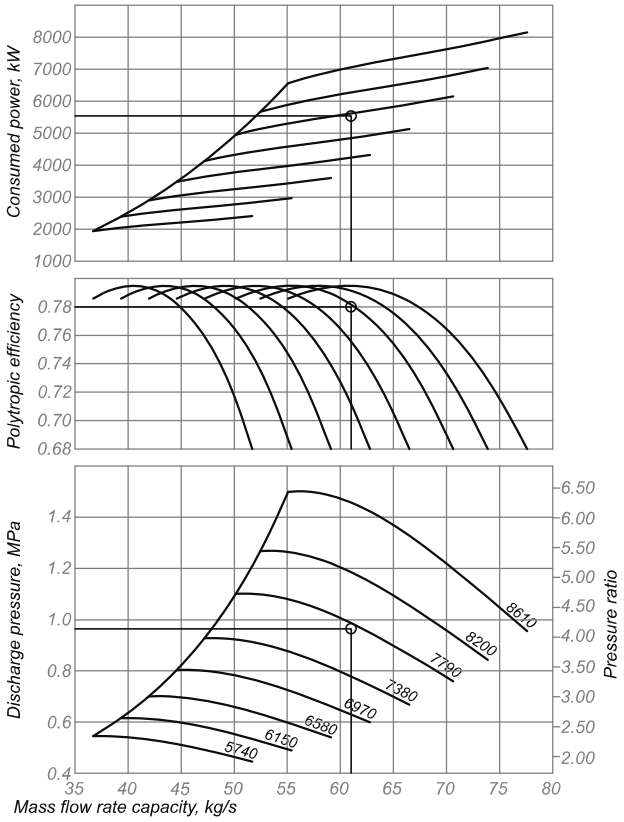
Centrifugal Compressor D203GC1-710/2.4-10M2



Basic technical parameters of centrifugal compressor D203GC1-710/2.4-10M2

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	28.7 (2.48)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	12.1 (725.98)
Suction pressure, absolute, MPa (kgf/cm^2) nominal minimum	0.233 (2.38) 0.160 (1.63)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal maximum	0.965 (9.84) 1.504 (15.33)
Pressure ratio (design)	4.14
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	130 (7800)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	95.7 ÷ 143.5 (5740 ÷ 8610)
Nominal (design) power, consumed by the compressor, MW	5.538
Gas temperature at the compressor inlet, design, K (°C)	293 (+20)
Gas temperature rise in the compressor in nominal mode, (design), °C	60
Gas deviation factor under compressor inlet conditions	0.941

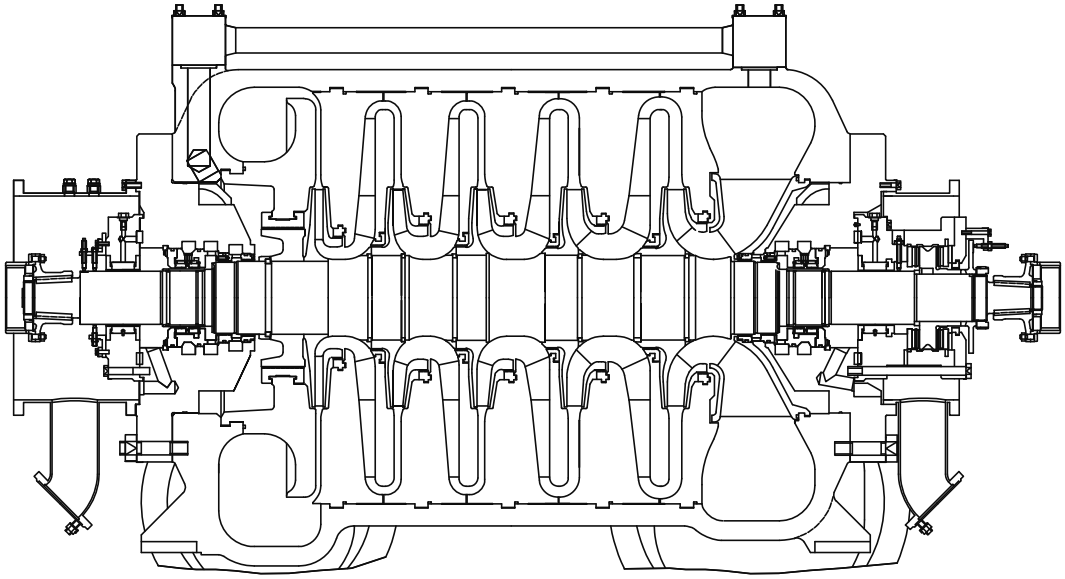
Dimensional characteristics of centrifugal compressor D203GC1-710/2.4-10M2



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.233*
Suction temperature, °C	*+20.0*
*Gas constant, J/(kg*deg)*	*167.3*

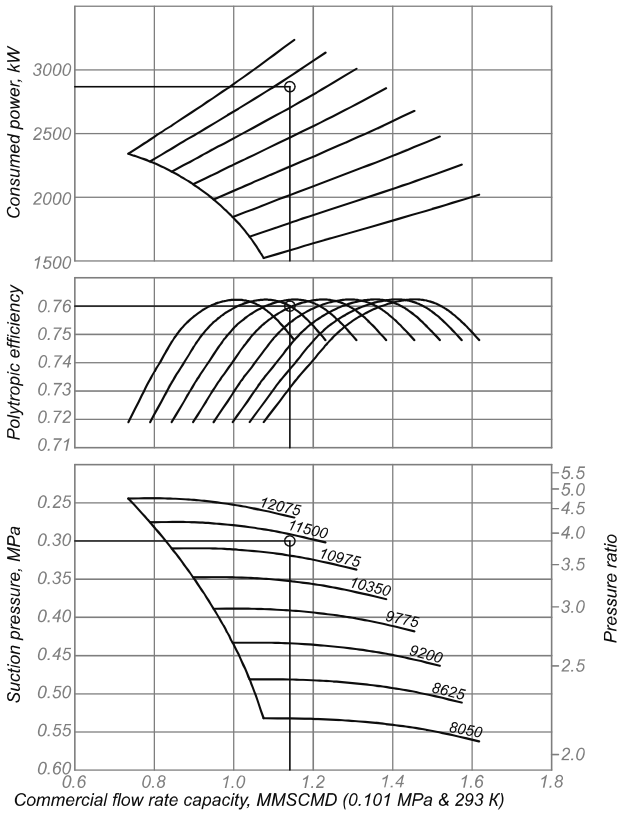
Centrifugal Compressor 193GC1-260/3-12M56



Basic technical parameters of centrifugal compressor 193GC1-260/3-12M56

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	13.2 (1.141)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	4.39 (263.15)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.30 (3.058)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	1.159 (11.82)
Pressure ratio (design)	3.863
Polytropic compressor efficiency, %, min	76
Compressor rotor rotation speed, design, s^{-1} (rpm)	188 (11300)
Nominal (design) power, consumed by the compressor, MW	2.862
Gas temperature at the compressor inlet, design, K (°C)	290 (+17)
Gas temperature rise in the compressor in nominal mode, (design), °C	118.52
Gas deviation factor under compressor inlet conditions	0.991

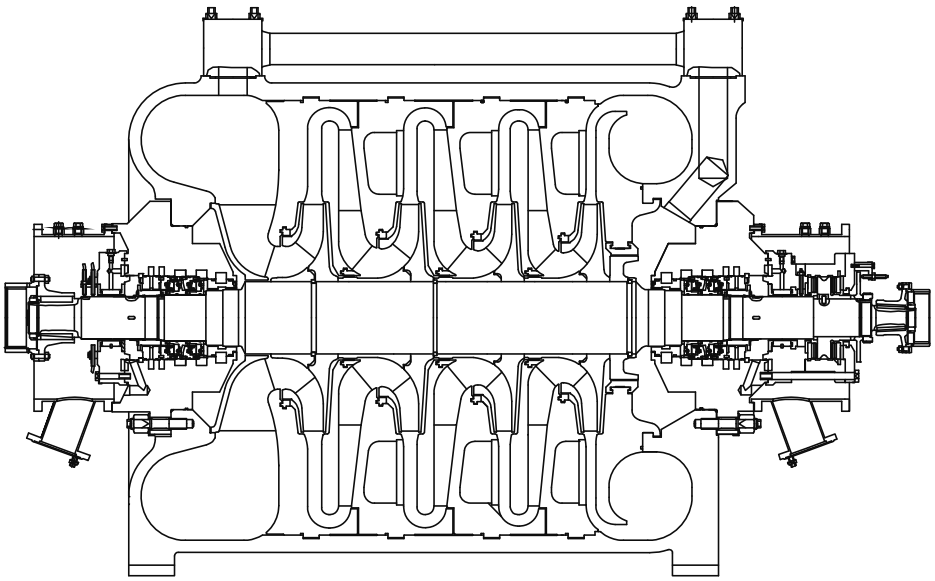
Dimensional characteristics of centrifugal compressor 193GC1-260/3-12M56



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*1.159*
Suction temperature, K	*290.0*
*Gas constant, J/(kg*deg)*	*429.0*

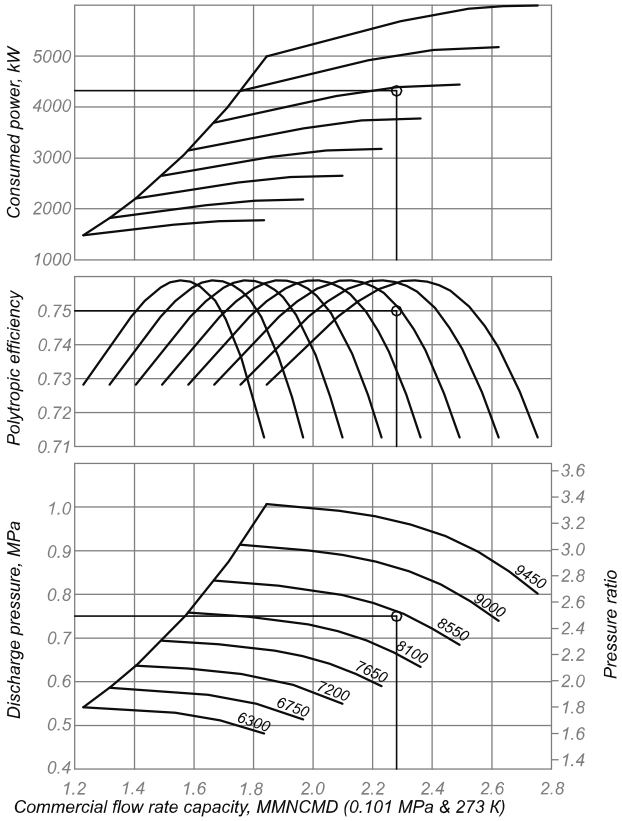
Centrifugal Compressor 252GC1-600/3-7.5M126



Basic technical parameters of centrifugal compressor 252GC1-600/3-7.5M126

Parameter	Value
Flow rate capacity, corrected for temperature 273 K (0°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	26.39 (2.28)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	10.155 (609.29)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.301 (3.068)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal maximum	0.75 (7.645) 0.934 (9.52)
Pressure ratio (design)	2.492
Polytropic compressor efficiency, %, min	75.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	141.67 (8500)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	105 ÷ 157.5 (6300 ÷ 9450)
Nominal (design) power, consumed by the compressor (without losses in the gearbox), MW	4.319
Gas temperature at the compressor inlet, design, K (°C)	313.15 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	87.76
Gas deviation factor under compressor inlet conditions	0.994

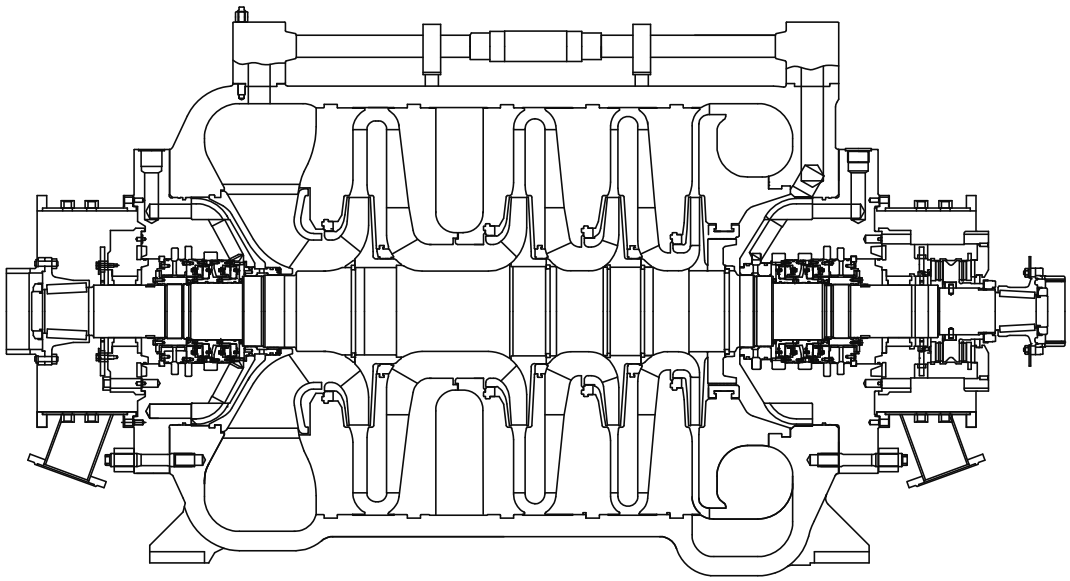
Dimensional characteristics of centrifugal low-pressure compressor 252GC1-600/3-7.5M126



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.301*
Suction temperature, K	*313.0*
*Gas constant, J/(kg*deg)*	*462.6*

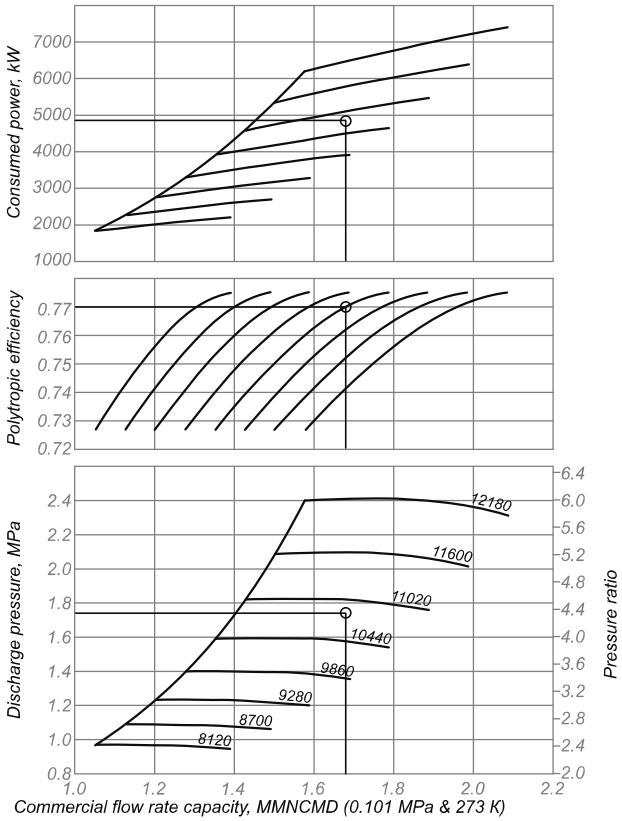
Centrifugal Compressor 193GC1-330/4-17M126



Basic technical parameters of centrifugal compressor 193GC1-330/4-17M126

Parameter	Value
Flow rate capacity, corrected for temperature 273 K (0°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	19.44 (1.68)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	5.30 (317.98)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.401 (4.09)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal maximum	1.74 (17.74) 2.40 (24.46)
Pressure ratio (design)	4.34
Polytropic compressor efficiency, %, min	77.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	180.33 (10820)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	203 ÷ 135.33 (12180 ÷ 8120)
Nominal (design) power, consumed by the compressor, MW nominal (design) maximum	 4.864 7.100
Gas temperature at the compressor inlet, design, K (°C)	298.15 (+25)
Gas temperature rise in the compressor in nominal mode, (design), °C	110.52
Gas deviation factor under compressor inlet conditions	0.983

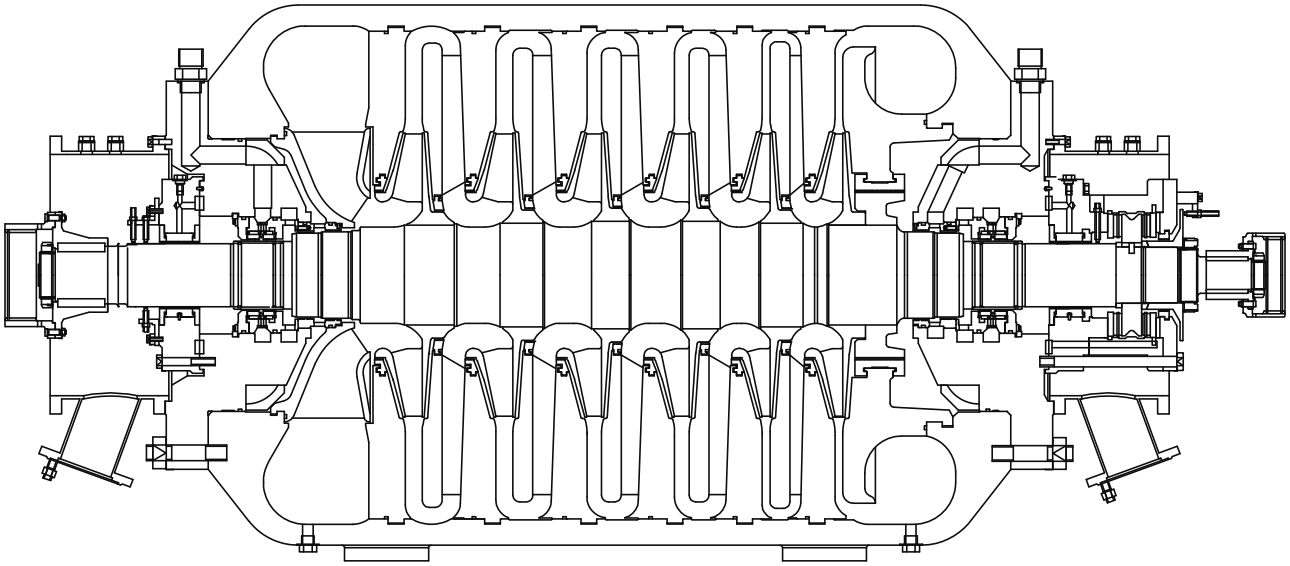
Dimensional characteristics of centrifugal compressor 193GC1-330/4-17M126



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.401*
Suction temperature, K	*298.0*
*Gas constant, J/(kg*deg)*	*343.0*

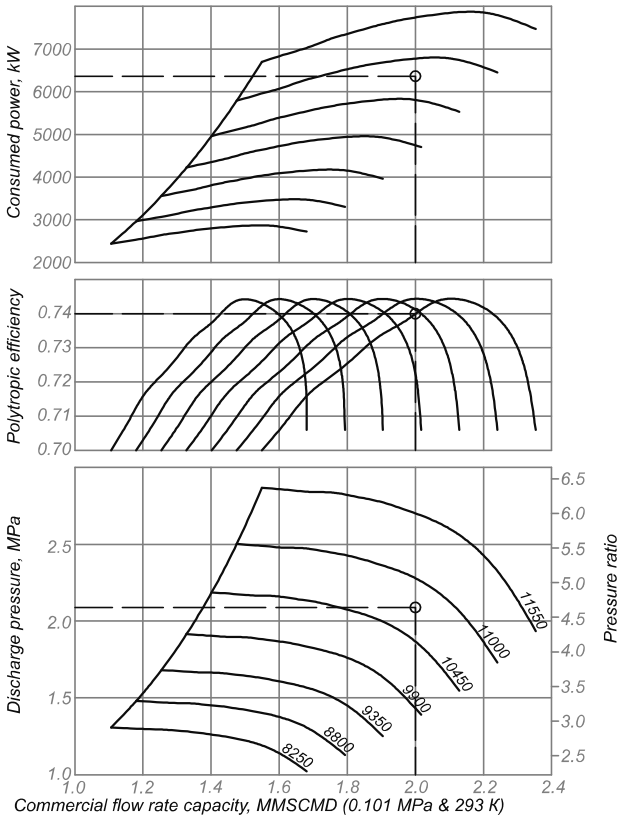
Centrifugal Compressor 193GC1-320/4.6-21



Basic technical parameters of centrifugal compressor 193GC1-320/4.6-21

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	23.148 (2.0)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	5.341 (320.51)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.451 (4.597)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	2.089 (21.295)
Pressure ratio (design)	4.632
Polytropic compressor efficiency, %, min	74
Compressor rotor rotation speed, design, s^{-1} (rpm)	179.25 (10755)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	137.5 ÷ 192.5 (8250 ÷ 11550)
Nominal (design) power, consumed by the compressor, MW	6.365
Gas temperature at the compressor inlet, design, K (°C)	303.1
Gas temperature rise in the compressor in nominal mode, (design), °C	155
Gas deviation factor under compressor inlet conditions	0.991

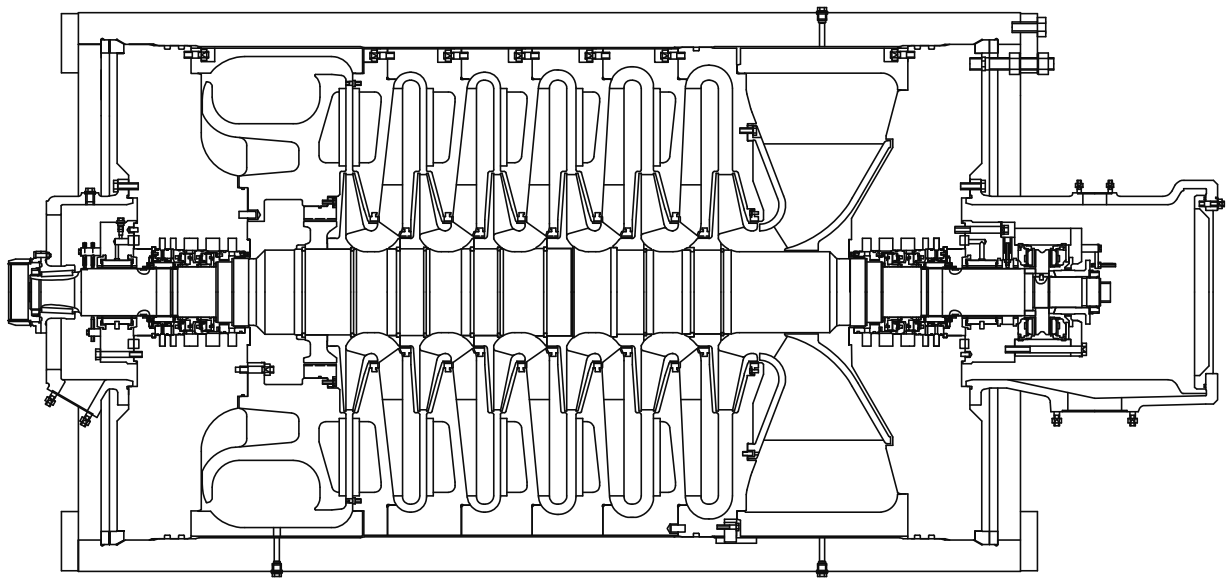
Dimensional characteristics of centrifugal compressor 193GC1-320/4.6-21



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.451*
Suction temperature, K	*303.0*
*Gas constant, J/(kg*deg)*	*473.5*

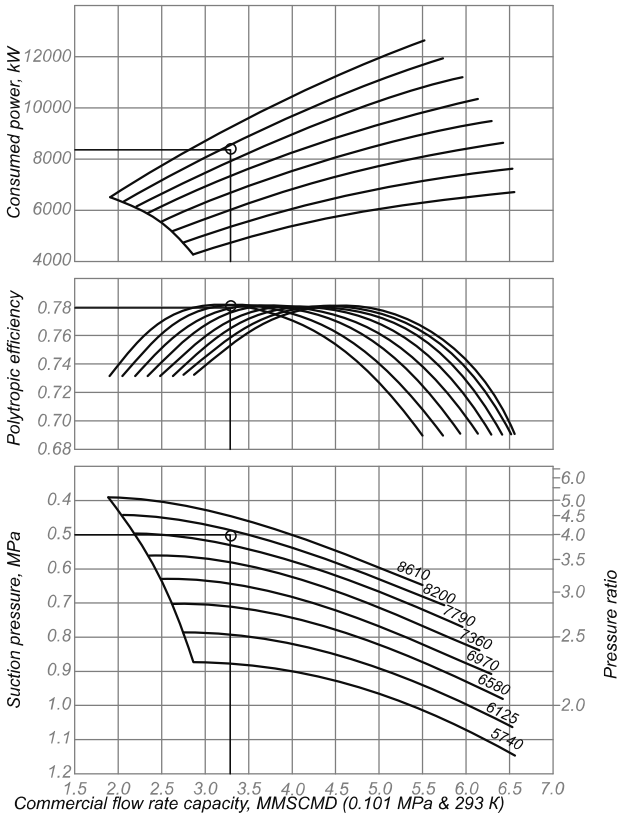
Centrifugal Compressor 294GC2-450/5-20M125



Basic technical parameters of centrifugal compressor 294GC2-450/5-20M125

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	38.08 (3.29)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	7.52 (451.25)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.5 (5.097)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	2.0 (20.387)
Pressure ratio (design)	4.0
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	133.93 (8036)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	143.5÷95.67 (8610÷5740)
Nominal (design) power, consumed by the compressor, MW	8.4
Gas temperature at the compressor inlet, design, K (°C)	288 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	137.16
Gas deviation factor under compressor inlet conditions	0.99

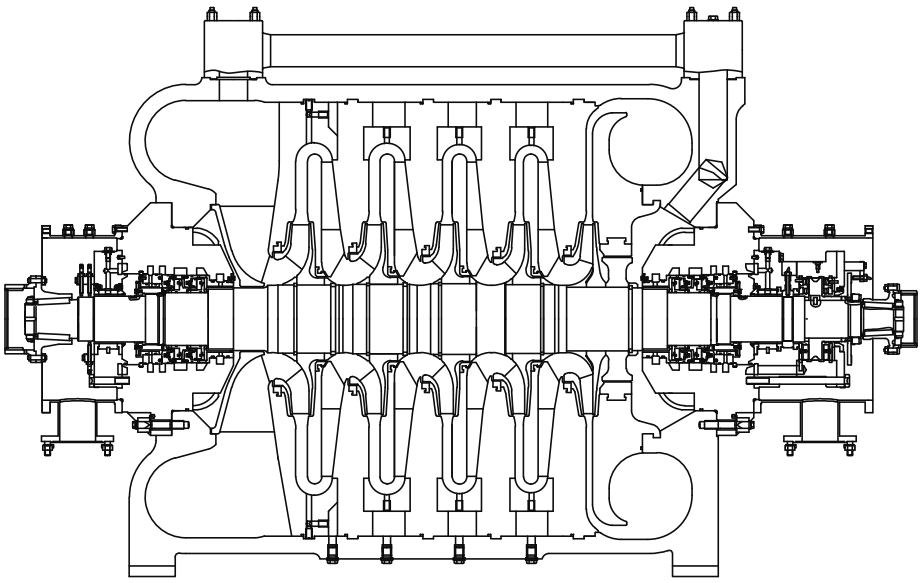
Dimensional characteristics of centrifugal compressor 294GC2-450/5-20M125



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*2.00*
Suction temperature, K	*288.0*
*Gas constant, J/(kg*deg)*	*514.9*

Centrifugal Compressor 252GC1-350/5-16.5M1236

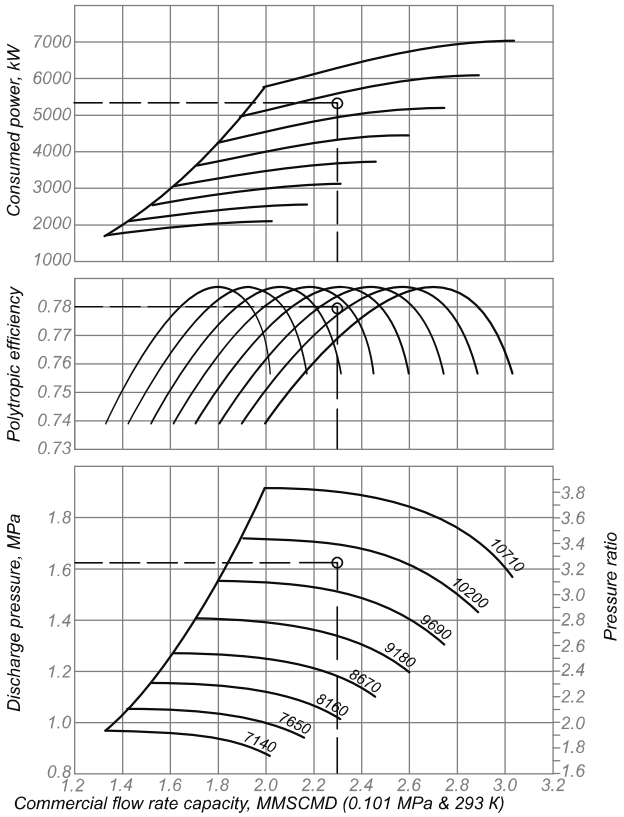


Gas, compressed by the centrifugal compressor, contains: hydrogen sulphide (H_2S) – 0.47% and carbon dioxid (CO_2) – 4.22%.

Basic technical parameters of centrifugal compressor 252GC1-350/5-16.5M1236

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	26.62 (2.3)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	5.909 (354.54)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.5 (5.1)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	1.622 (16.53)
Pressure ratio (design)	3.244
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	166.67 (10000)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	95.67÷143.5 (7140÷10710)
Nominal (design) power, consumed by the compressor, MW	5.332
Gas temperature at the compressor inlet, design, K (°C)	323.15(+50)
Gas temperature rise in the compressor in nominal mode, (design), °C	113.4
Gas deviation factor under compressor inlet conditions	0.992

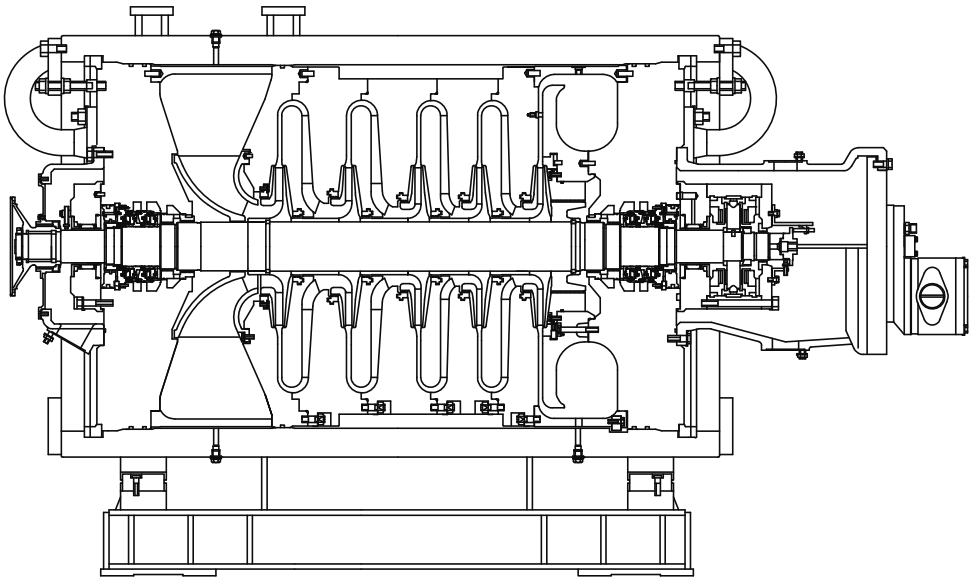
Dimensional characteristics of centrifugal compressor 252GC1-350/5-16.5M1236



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.50*
Suction temperature, K	*323.0*
*Gas constant, J/(kg*deg)*	*442.1*

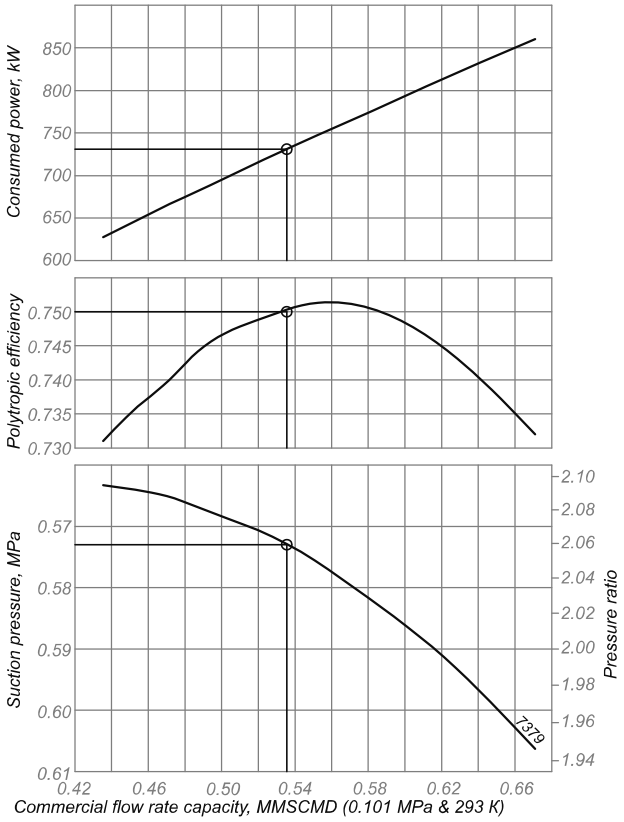
Centrifugal Compressor 224GC2-72/6-12M1



Basic technical parameters of centrifugal compressor 224GC2-72/6-12M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	6.192 (0.535)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.1945 (71.67)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.573 (5.84)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	1.18 (12.03)
Pressure ratio (design)	2.06
Polytropic compressor efficiency, %, min	75
Compressor rotor rotation speed, design, s^{-1} (rpm)	122.98 (7379)
Nominal (design) power, consumed by the compressor, MW	0.731
Gas temperature at the compressor inlet, design, K (°C)	324 (+51)
Gas temperature rise in the compressor in nominal mode, (design), °C	57.41
Gas deviation factor under compressor inlet conditions	0.982

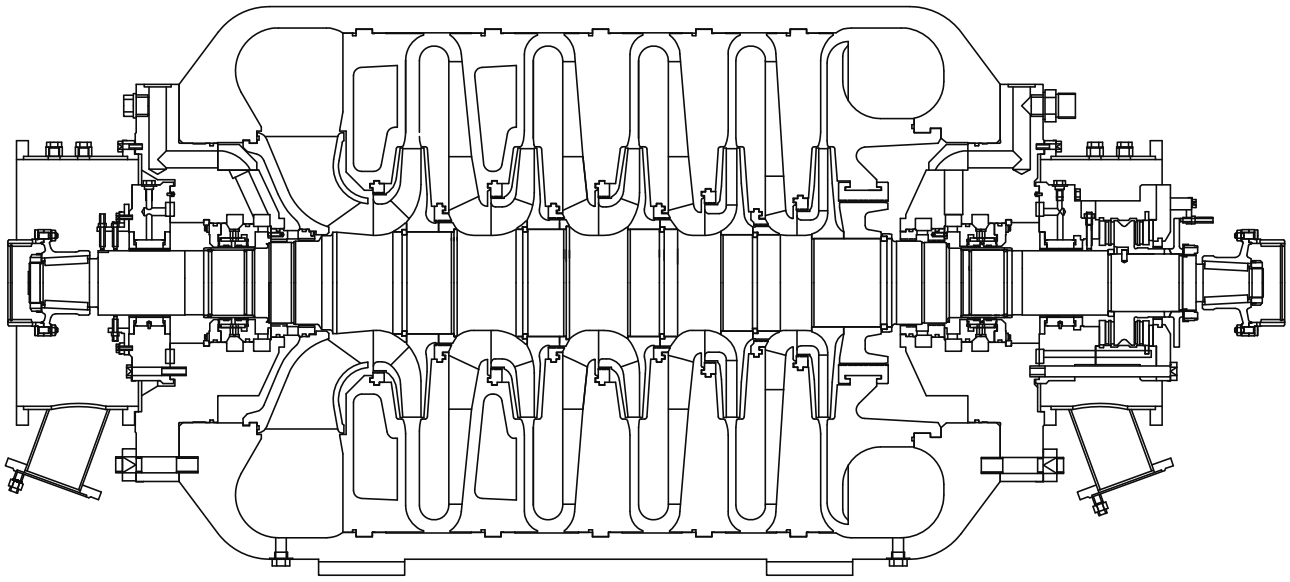
Dimensional characteristics of centrifugal compressor 224GC2-72/6-12M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*1.18*
Suction temperature, K	*324.0*
*Gas constant, J/(kg*deg)*	*341.9*

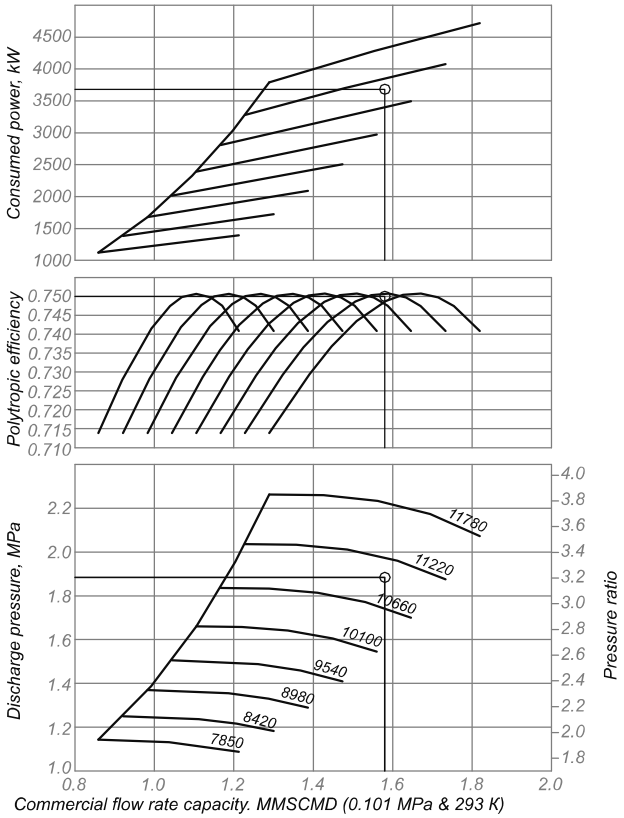
Centrifugal Compressor 193GC1-200/6-19M6



Basic technical parameters of centrifugal compressor 193GC1-200/6-19M6

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	18.29 (1.5804)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.34 (200.4)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.588 (5.99)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal maximum	1.885 (19.22) 3.12 (31.8)
Pressure ratio (design)	3.206
Polytropic compressor efficiency, %, min	75
Compressor rotor rotation speed, design, s^{-1} (rpm)	183.3 (11000)
Nominal (design) power, consumed by the compressor, MW	3.682
Gas temperature at the compressor inlet, design, K (°C)	313.15 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	116.70
Gas deviation factor under compressor inlet conditions	0.990

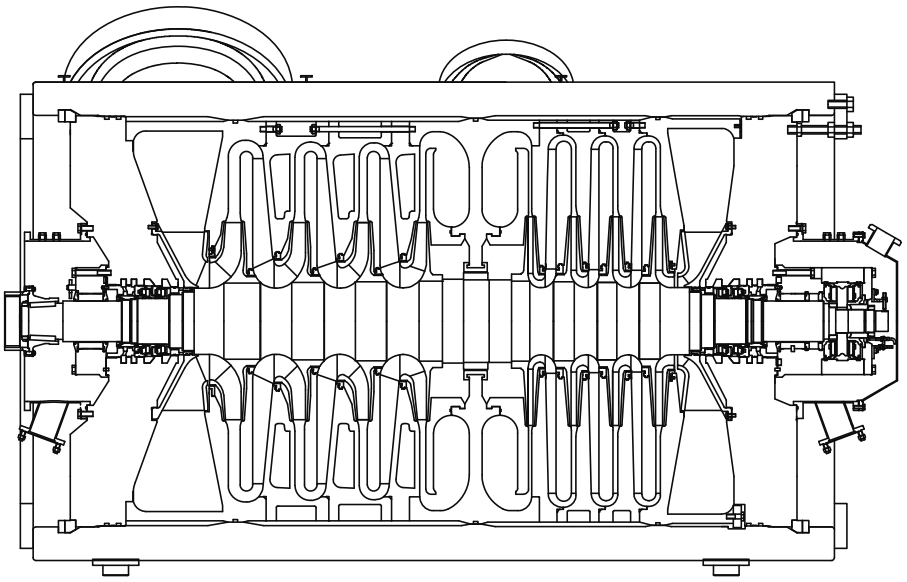
Dimensional characteristics of centrifugal compressor 193GC1-200/6-19M6



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.588*
Suction temperature, °C	*40.0*
*Gas constant, J/(kg*deg)*	*473.2*

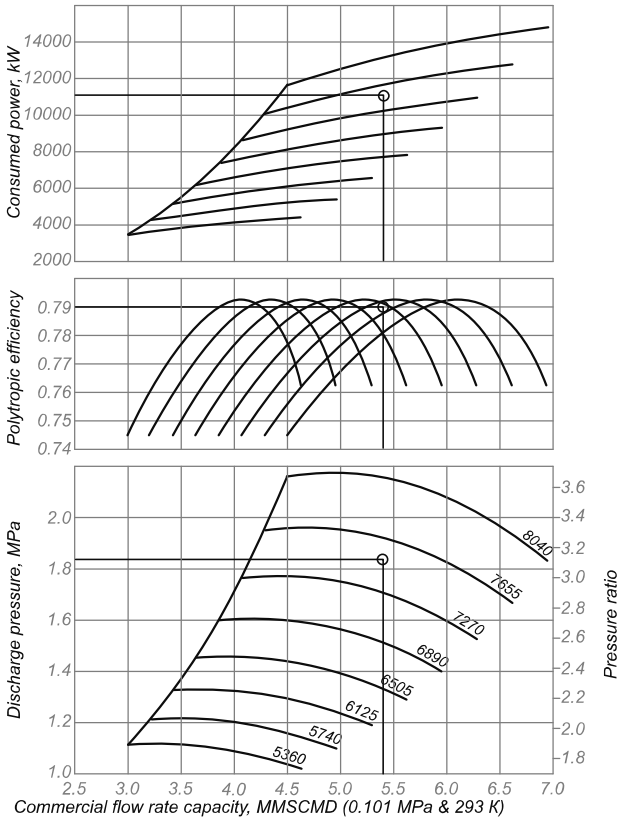
Centrifugal Compressor S325GC2-650/6-56M12



Basic technical parameters of the 1 section of centrifugal compressor S325GC2-650/6-56M12

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	62.5 (5.4)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	10.92 (655.1)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.588 (6.0)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal maximum	1.836 (18.72) 2.16 (22.0)
Pressure ratio (design)	3.122
Polytropic compressor efficiency, %, min	79
Compressor rotor rotation speed, design, s^{-1} (rpm)	125.0 (7500)
Nominal (design) power, consumed by the compressor, MW	11.097
Gas temperature at the compressor inlet, design, K (°C)	300
Gas temperature rise in the compressor in nominal mode, (design), °C	107.5
Gas deviation factor under compressor inlet conditions	0.989

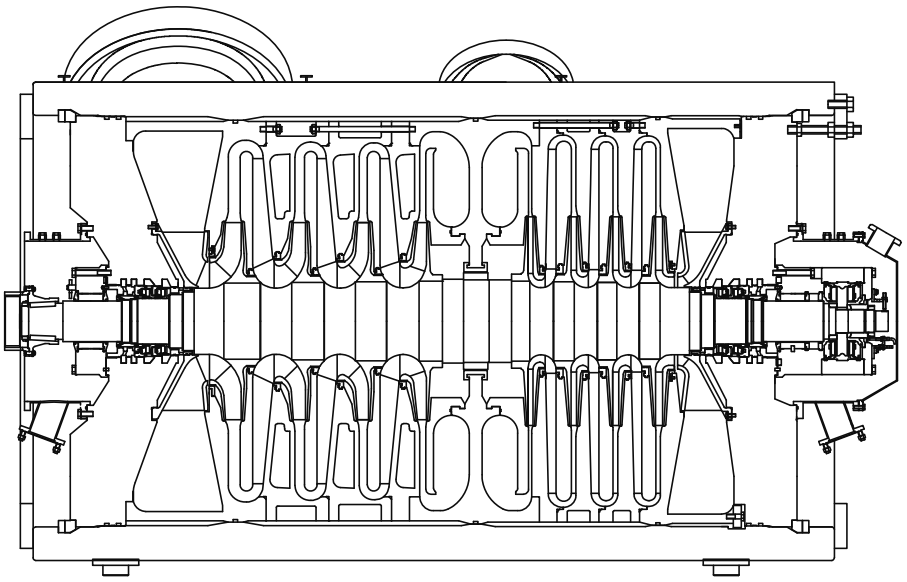
Dimensional characteristics of the 1 section of centrifugal compressor S325GC2-650/6-56M12



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.588*
Suction temperature, K	*300.0*
*Gas constant, J/(kg*deg)*	*479.2*

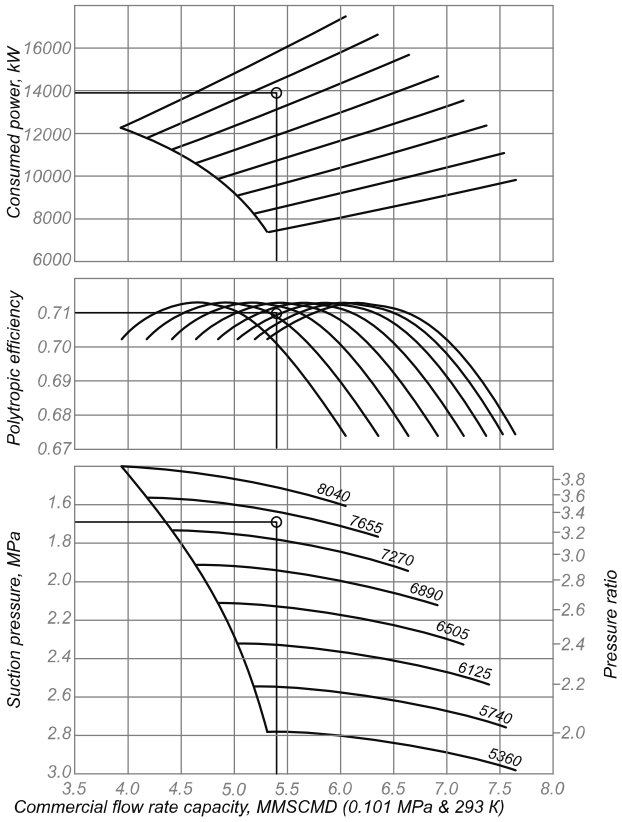
Centrifugal Compressor S325GC2-650/6-56M12



Basic technical parameters of the 2 section of centrifugal compressor S325GC2-650/6-56M12

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	62.5 (5.4)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.97 (238.21)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.689 (17.22)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal maximum	5.573 (56.81) 6.7 (68.3)
Pressure ratio (design)	3.3
Polytropic compressor efficiency, %, min	71
Compressor rotor rotation speed, design, s^{-1} (rpm)	125.0 (7500)
Nominal (design) power, consumed by the compressor, MW	13.899
Gas temperature at the compressor inlet, design, K (°C)	318
Gas temperature rise in the compressor in nominal mode, (design), °C	131.15
Gas deviation factor under compressor inlet conditions	0.974

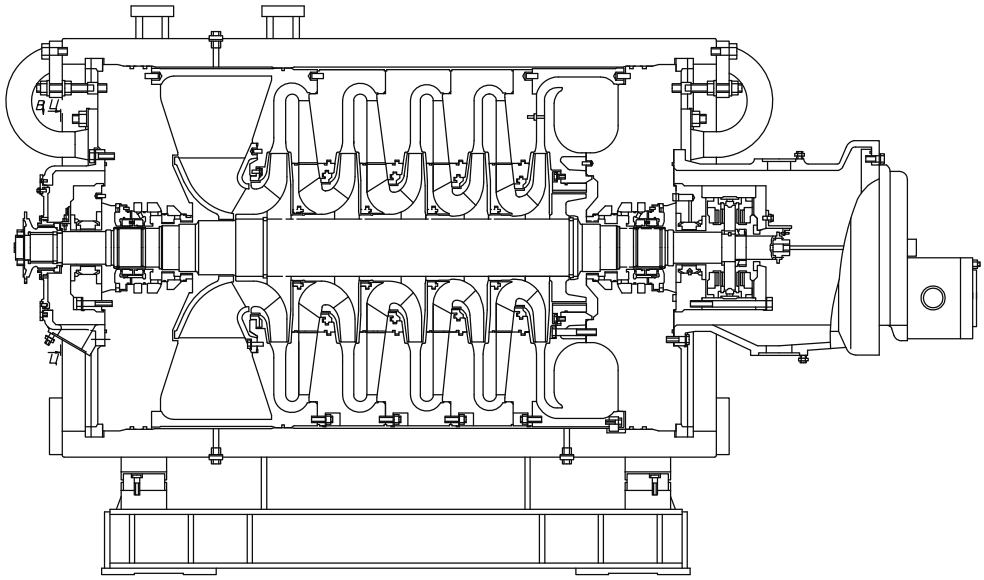
Dimensional characteristics of the 2 section of centrifugal compressor S325GC2-650/6-56M12



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*5.573*
Suction temperature, K	*318.0*
*Gas constant, J/(kg*deg)*	*479.2*

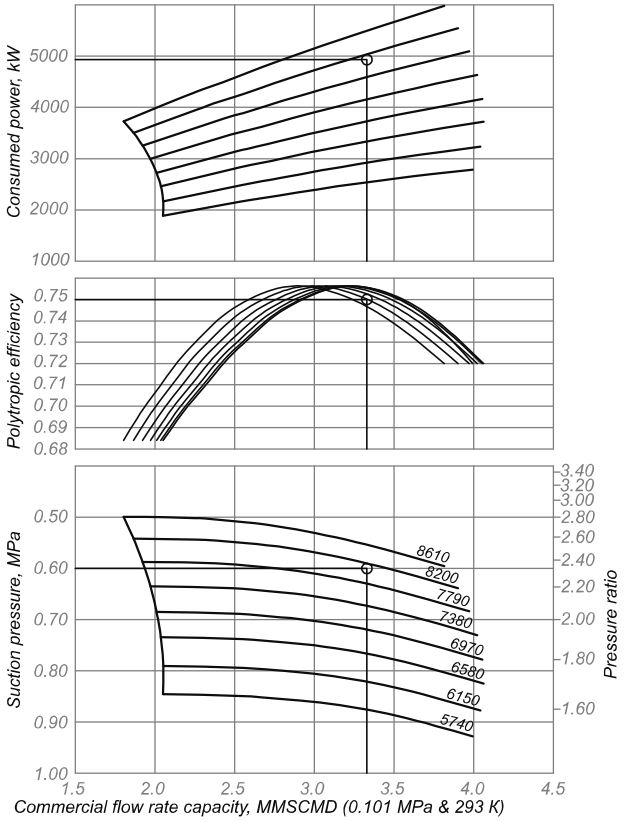
Centrifugal Compressor 224GC2-375/6-14A



Basic technical parameters of centrifugal compressor 224GC2-375/6-14A

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	38.6 (3.333)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	6.26 (375.6)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.60 (6.10)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	1.40 (14.30)
Pressure ratio (design)	2.3
Polytropic compressor efficiency, %, min	75
Compressor rotor rotation speed, s^{-1} (rpm), design nominal	133.9 (8036) 136.7 (8200)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	95.7 ÷ 143.5 (5740 ÷ 8610)
Nominal (design) power, consumed by the compressor, MW	4.93
Gas temperature at the compressor inlet, design, K (°C)	285.0 (+12.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	80.9
Gas deviation factor under compressor inlet conditions	0.988

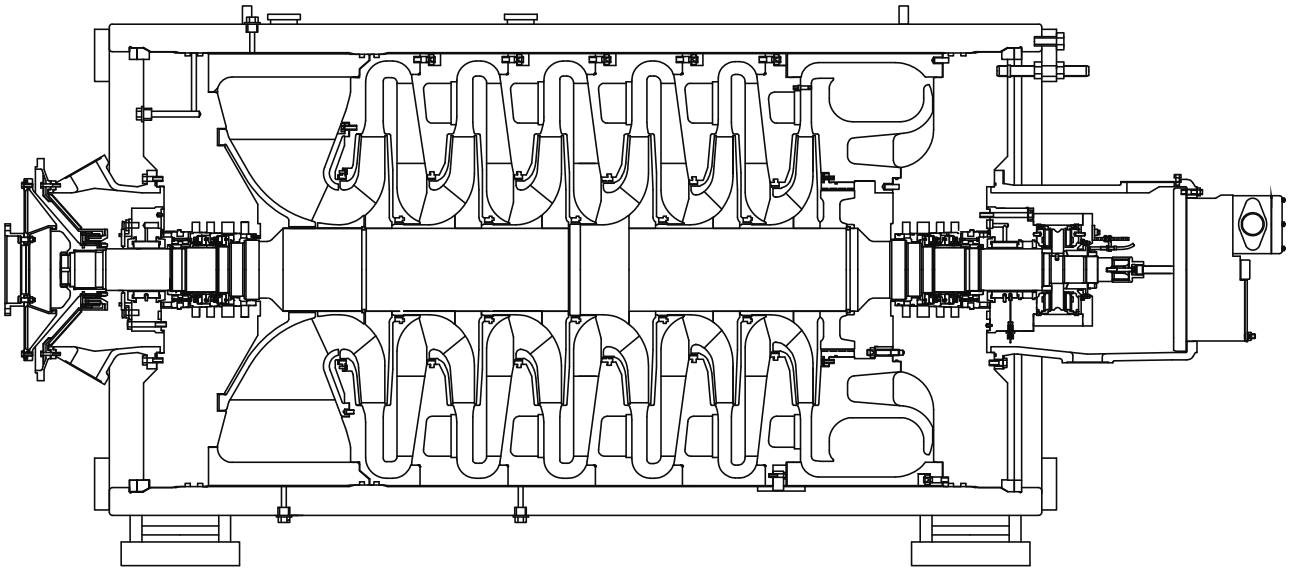
Dimensional characteristics of centrifugal compressor 224GC2-375/6-14A



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*1.40*
Suction temperature, K	*285.0*
*Gas constant, J/(kg*deg)*	*488.4*

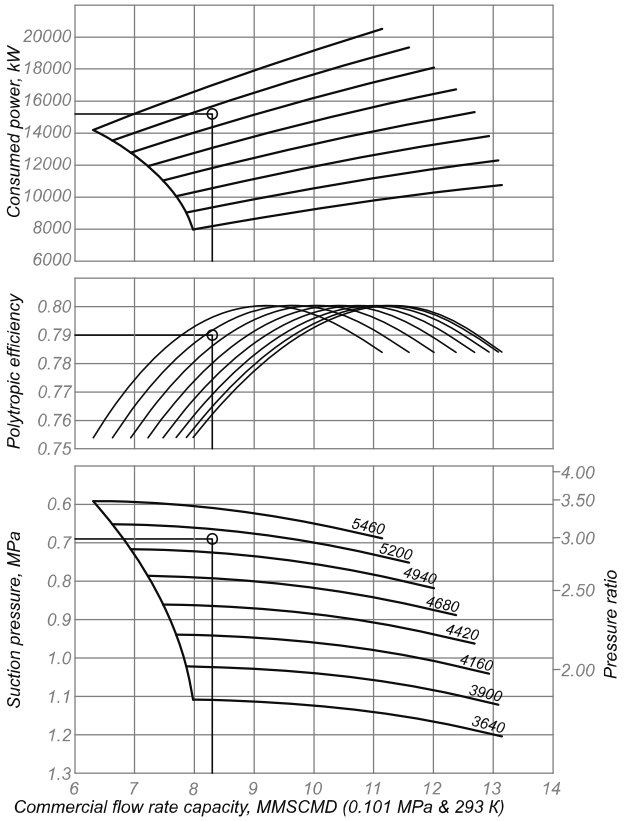
Centrifugal Compressor 295GC2-800/7-21



Basic technical parameters of centrifugal compressor 295GC2-800/7-21

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	96.06 (8.3)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	13.20 (792.03)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.69 (7.0)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	2.06 (21.0)
Pressure ratio (design)	3.0
Polytropic compressor efficiency, %, min	79.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	85.0 (5100)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	91.00 ÷ 60.67 (5460 ÷ 3640)
Nominal (design) power, consumed by the compressor, MW	15.2
Gas temperature at the compressor inlet, design, K (°C)	276 (+3)
Gas temperature rise in the compressor in nominal mode, (design), °C	103
Gas deviation factor under compressor inlet conditions	0.984

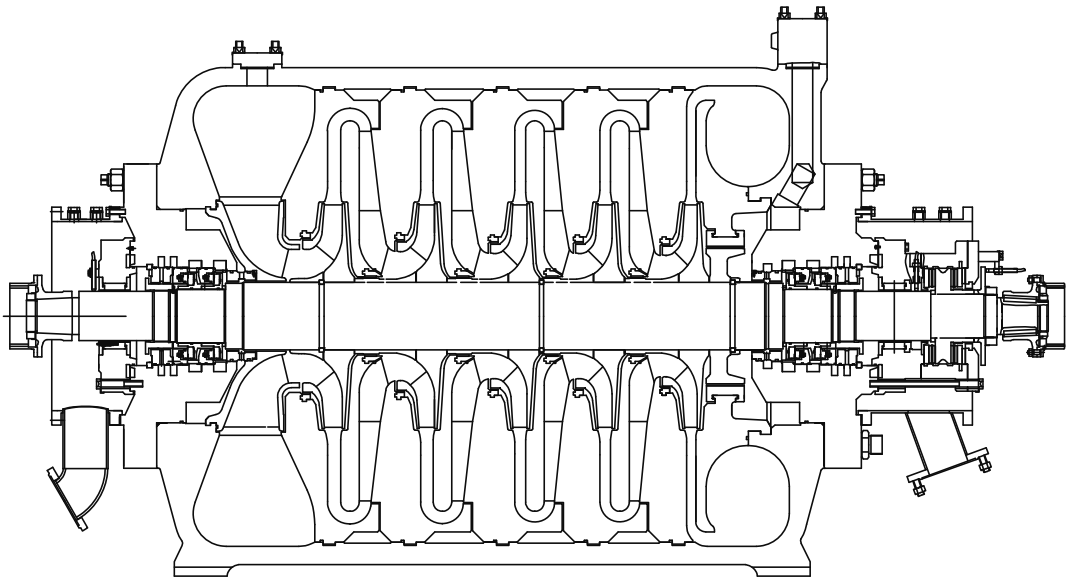
Dimensional characteristics of centrifugal compressor 295GC2-800/7-21



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*2.06*
Suction temperature, °C	*+3.0*
*Gas constant, J/(kg*deg)*	*508.4*

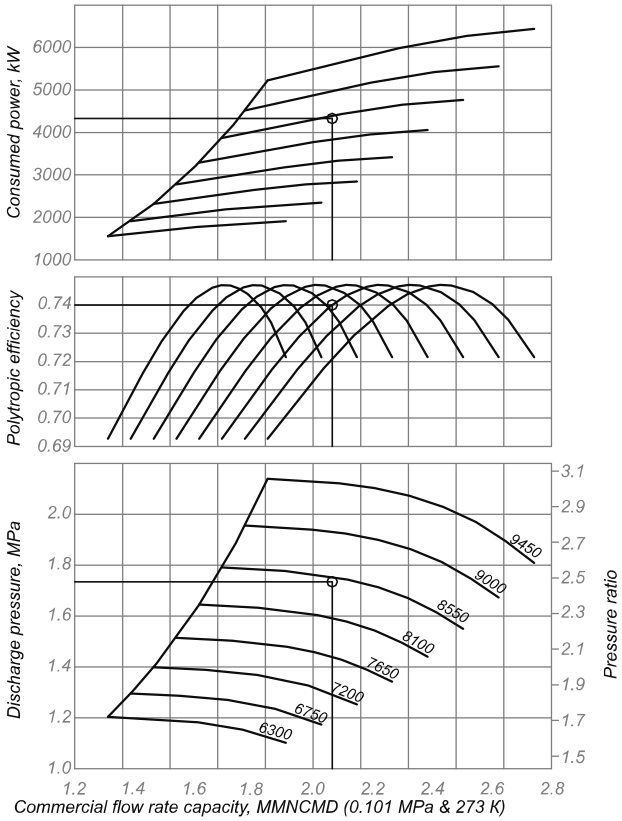
Centrifugal Compressor 223GC1-260/7-17.5M126



Basic technical parameters of centrifugal compressor 223GC1-260/7-17.5M126

Parameter	Value
Flow rate capacity, corrected for temperature 273 K (0°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	26.39 (2.28)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	4.33 (260.09)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.7 (7.14)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal maximum	1.735 (17.69) 1.994 (20.32)
Pressure ratio (design)	2.479
Polytropic compressor efficiency, %, min	74.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	141.67 (8500)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	105 ÷ 157.5 (6300 ÷ 9450)
Nominal (design) power, consumed by the compressor (regardless of losses in the gearbox), MW	4.329
Gas temperature at the compressor inlet, design, K (°C)	313.15 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	88.83
Gas deviation factor under compressor inlet conditions	0.987

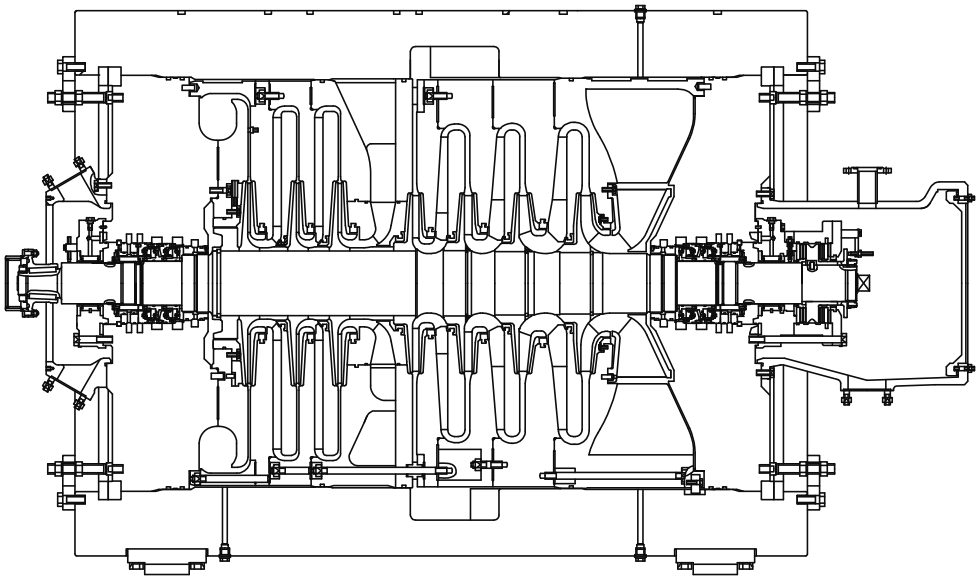
Dimensional characteristics of medium-pressure centrifugal compressor 223GC1-260/7-17.5M126



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.70*
Suction temperature, K	*313.0*
*Gas constant, J/(kg*deg)*	*462.6*

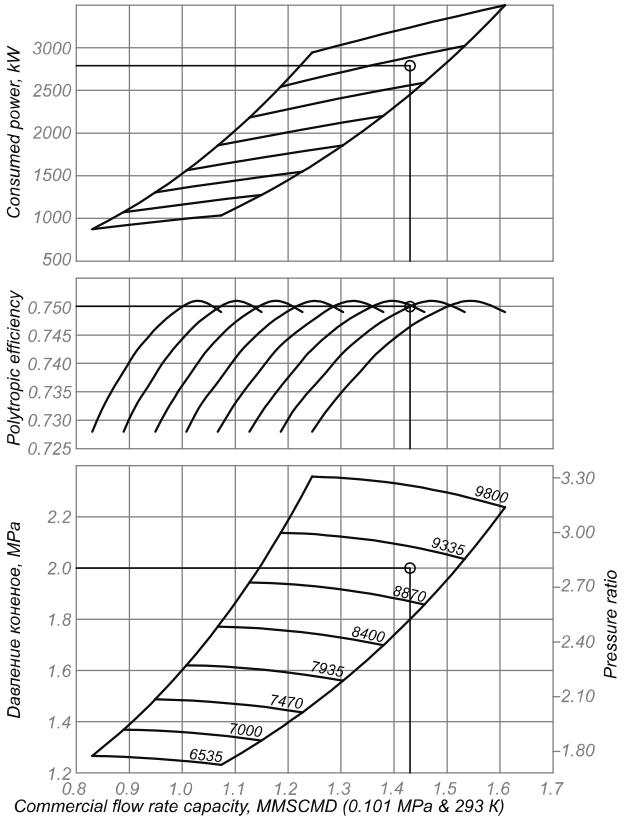
Centrifugal Compressor D245GC2-148/7.3-47.5M1245



Basic technical parameters of the 1 section of centrifugal compressor D245GC2-148/7.3-47.5M1245

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	16.55 (1.43)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	2.47 (148.00)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.713 (7.23)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	2.00 (20.40)
Pressure ratio (design)	2.805
Polytropic compressor efficiency, %, min	75.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	152.50 (9150)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	163.3 ÷ 108.9 (9800 ÷ 6535)
Nominal (design) power, consumed by the compressor, MW	2.795
Gas temperature at the compressor inlet, design, K (°C)	313.15 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	84.6
Gas deviation factor under compressor inlet conditions	0.978

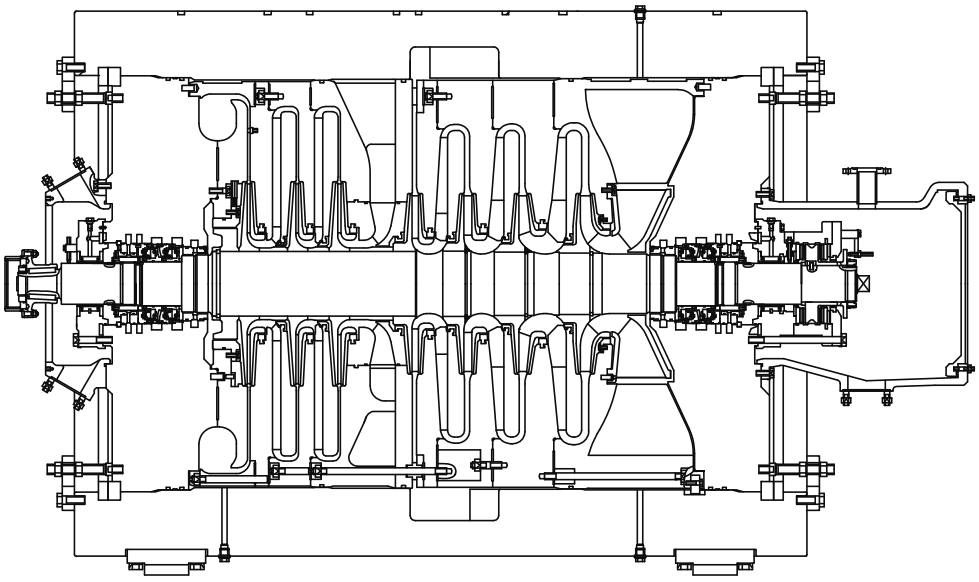
Dimensional characteristics of the 1 section of centrifugal compressor D245GC2-148/7.3-47.5M1245



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.713*
Suction temperature, K	*313.1*
*Gas constant, J/(kg*deg)*	*354.5*

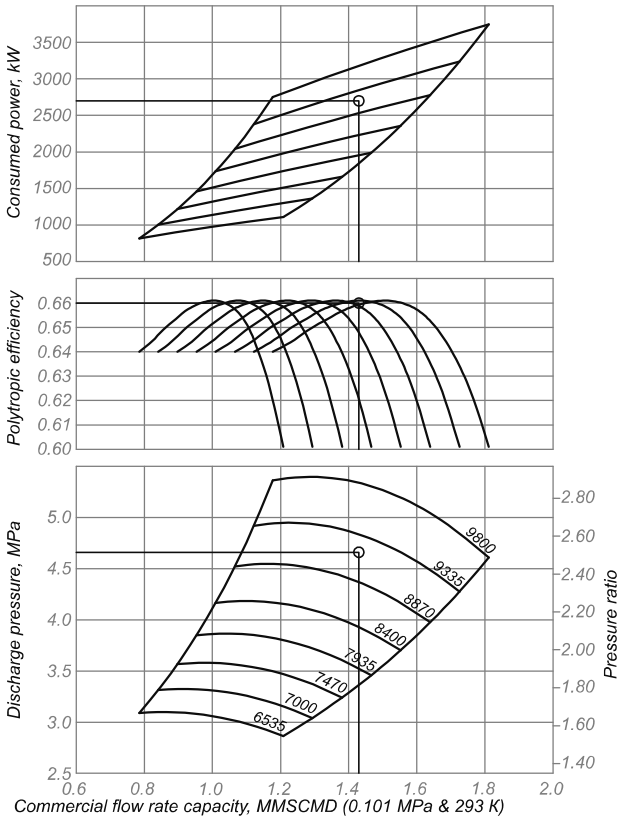
Centrifugal Compressor D245GC2-148/7.3-47.5M1245



Basic technical parameters of the 2 section of centrifugal compressor D245GC2-148/7.3-47.5M1245

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	16.55 (1.43)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	0.915 (54.9)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.853 (18.5)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	4.66 (47.5)
Pressure ratio (design)	2.515
Polytropic compressor efficiency, %, min	66.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	152.50 (9150)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	163.3 ÷ 108.9 (9800 ÷ 6535)
Nominal (design) power, consumed by the compressor, MW	2.791
Gas temperature at the compressor inlet, design, K (°C)	313.15 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	84.64
Gas deviation factor under compressor inlet conditions	0.943

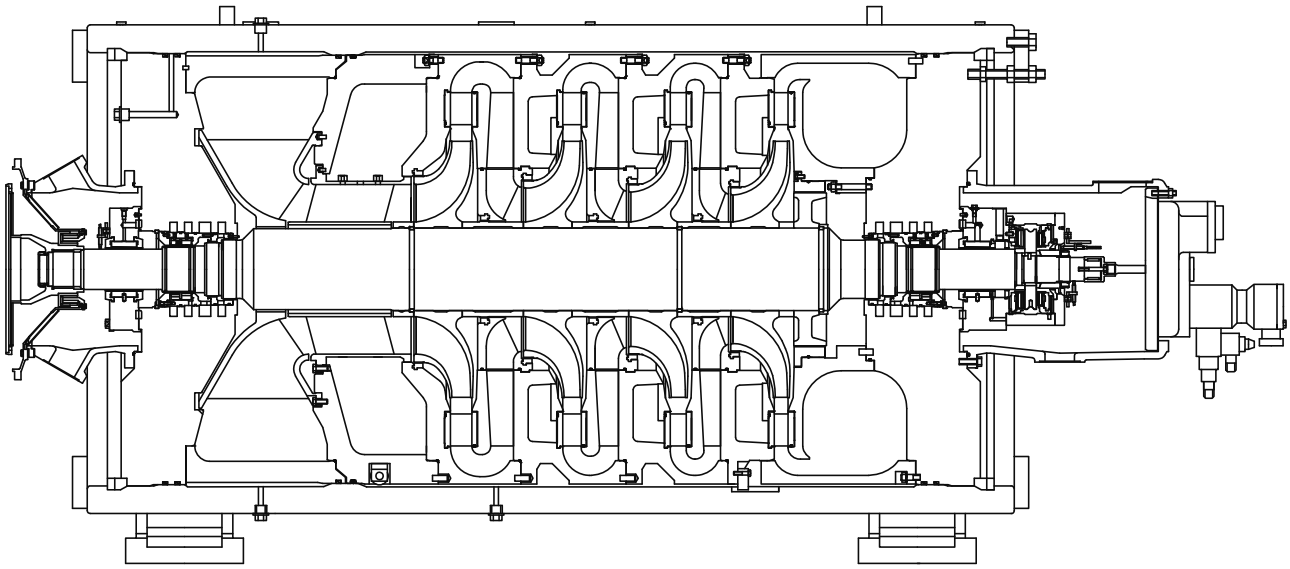
Dimensional characteristics of the 2 section of centrifugal compressor D245GC2-148/7.3-47.5M1245



The characteristics are designed for the following conditions:

Suction pressure, MPa	*1.853*
Suction temperature, K	*313.1*
*Gas constant, J/(kg*deg)*	*354.5*

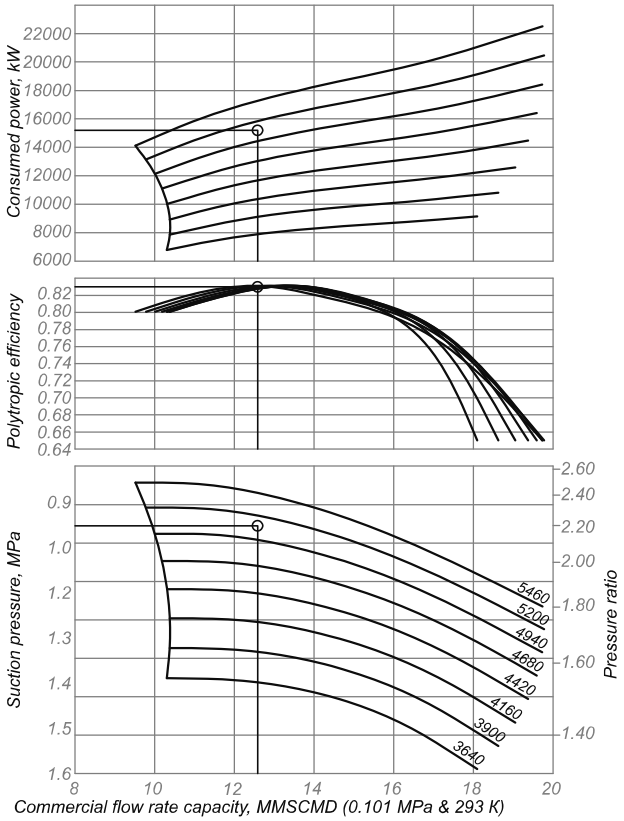
Centrifugal Compressor 295GC2-880/9.5-21



Basic technical parameters of centrifugal compressor 295GC2-880/9.5-21

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	145.66 (12.585)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	14.662 (879.72)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	0.955 (9.74)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	2.1 (21.41)
Pressure ratio (design)	2.2
Polytropic compressor efficiency, %, min	83
Compressor rotor rotation speed, design, s^{-1} (rpm)	85.0 (5100)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	91.0 ÷ 60.67 (5460 ÷ 3640)
Nominal (design) power, consumed by the compressor, MW	15.2
Gas temperature at the compressor inlet, design, K (°C)	283 (+10)
Gas temperature rise in the compressor in nominal mode, (design), °C	69.4
Gas deviation factor under compressor inlet conditions	0.98

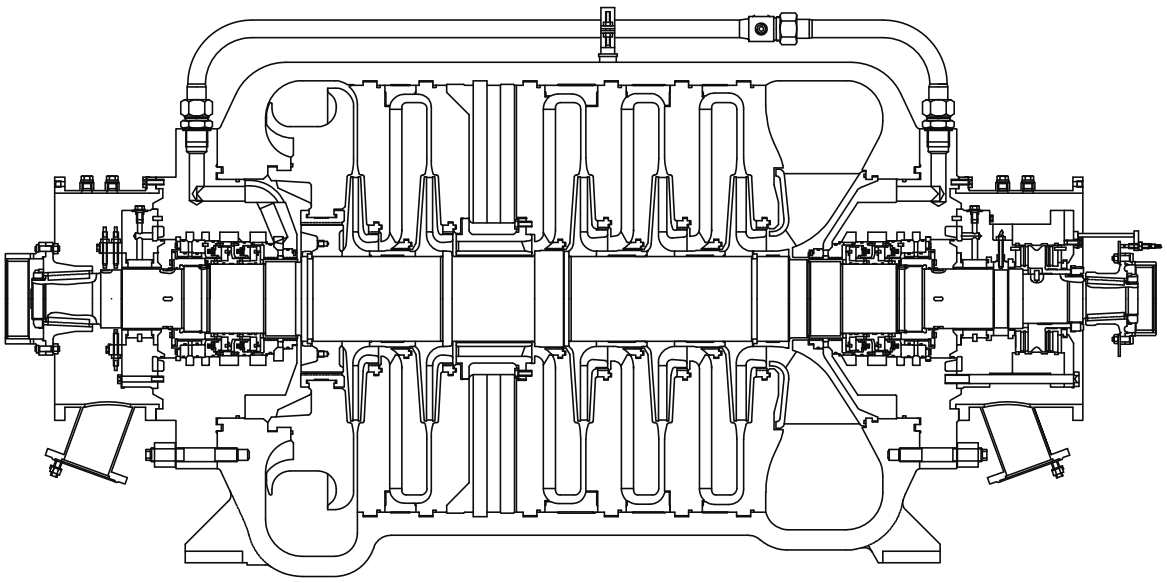
Dimensional characteristics of centrifugal compressor 295GC2-880/9.5-21



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*2.10*
Suction temperature, °C	*+10.0*
*Gas constant, J/(kg*deg)*	*511.4*

Centrifugal Compressor 194GC2-115/10-30M1236

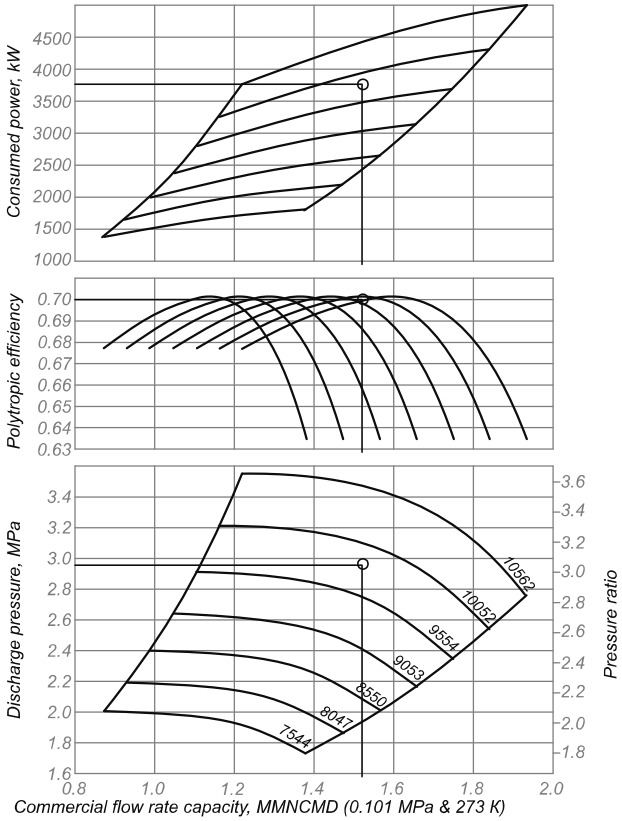


Gas, compressed by the centrifugal compressor, contains: hydrogen sulphide (H_2S) – 0.016% and carbon dioxid (CO_2) – 3.22%.

Basic technical parameters of centrifugal compressor 194GC2-115/10-30M1236

Parameter	Value
Flow rate capacity, corrected for temperature 273 K (0°C) and pressure 0.101 MPa (1.033 kgf/cm²), m³/s (MMCMD), min	17.59 (1.52)
Volumetric flow rate capacity, corrected for suction conditions, m³/s (m³/min), min	1.934 (116.04)
Suction pressure, absolute, MPa (kgf/cm²) nominal	0.97 (9.89)
Discharge pressure, absolute, MPa (kgf/cm²) nominal	2.96 (30.16)
Pressure ratio (design)	3.05
Polytropic compressor efficiency, %, min	70
Compressor rotor rotation speed, design, s⁻¹ (rpm)	164.33 (9860)
Range of changes of compressor rotor rotation speed, s⁻¹ (rpm)	176÷125.7 (10562÷7544)
Nominal (design) power, consumed by the compressor, MW	3.76
Gas temperature at the compressor inlet, design, K (°C)	293.1 (+20)
Gas temperature rise in the compressor in nominal mode, (design), °C	116
Gas deviation factor under compressor inlet conditions	0.978

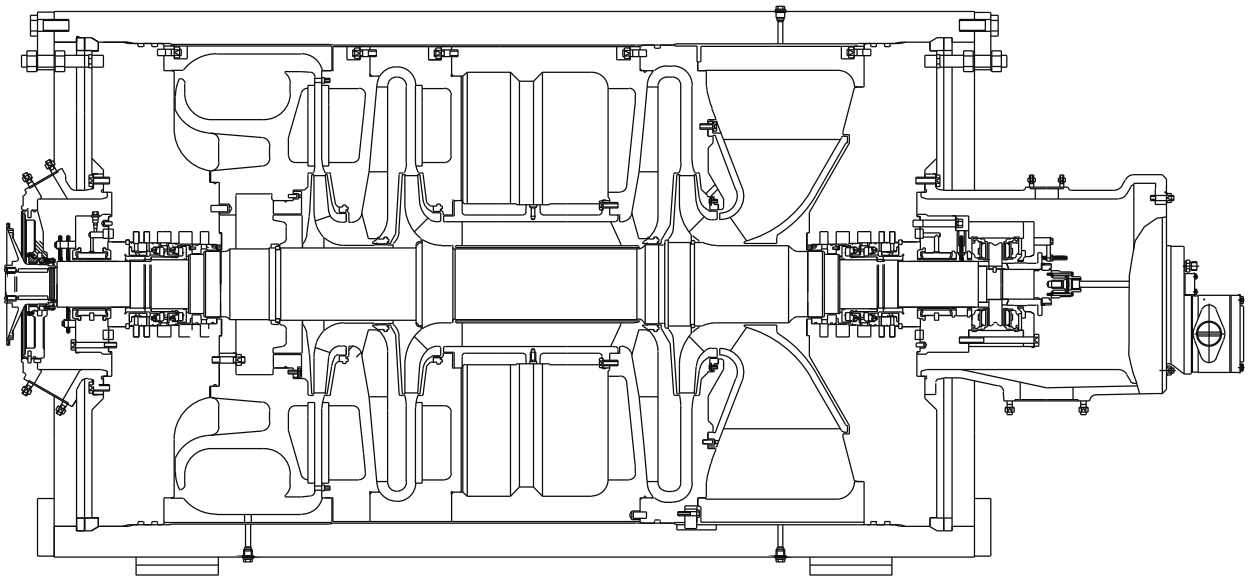
Dimensional characteristics of centrifugal compressor 194GC2-115/10-30M1236



The characteristics are designed for the following conditions:

Suction pressure, MPa	*0.97*
Suction temperature, °C	*+20.0*
*Gas constant, J/(kg*deg)*	*450.85*

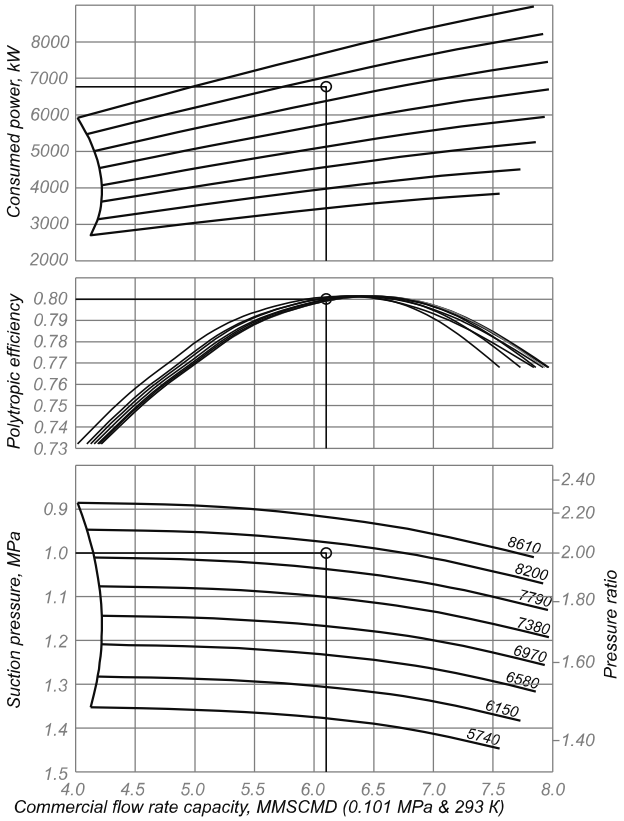
Centrifugal Compressor 294GC2-410/10-20M1235



Basic technical parameters of centrifugal compressor 294GC2-410/10-20M1235

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	70.6 (6.1)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	6.91 (414.35)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.0 (10.19)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	2.0 (20.39)
Pressure ratio (design)	2.0
Polytropic compressor efficiency, %, min	80
Compressor rotor rotation speed, design, s^{-1} (rpm)	85.0 (8036)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	143.50 ÷ 95.67 (8610 ÷ 5740)
Nominal (design) power, consumed by the compressor, MW	6.77
Gas temperature at the compressor inlet, design, K (°C)	288.0 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	63.5
Gas deviation factor under compressor inlet conditions	0.980

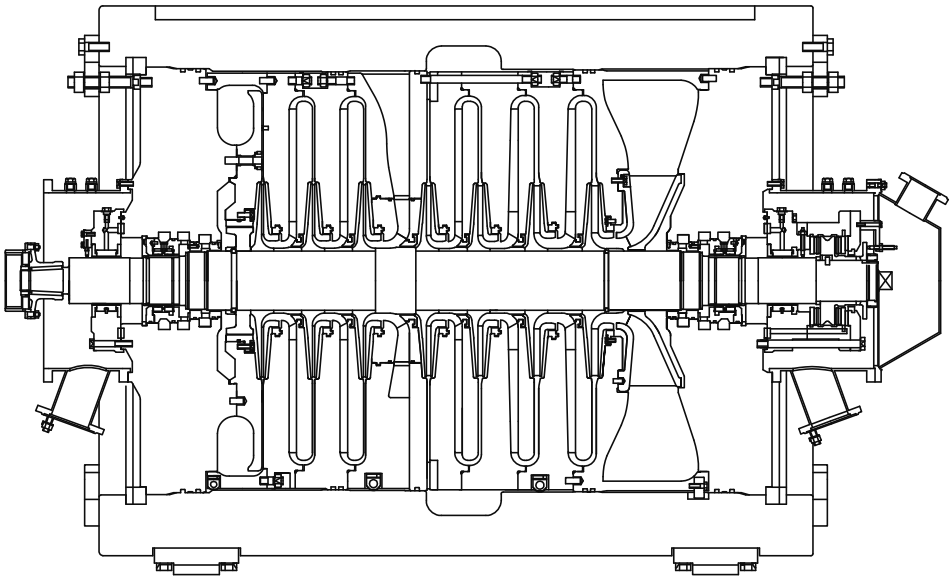
Dimensional characteristics of centrifugal compressor 294GC2-410/10-20M1235



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*2.00*
Suction temperature, K	*288.0*
*Gas constant, J/(kg*deg)*	*514.9*

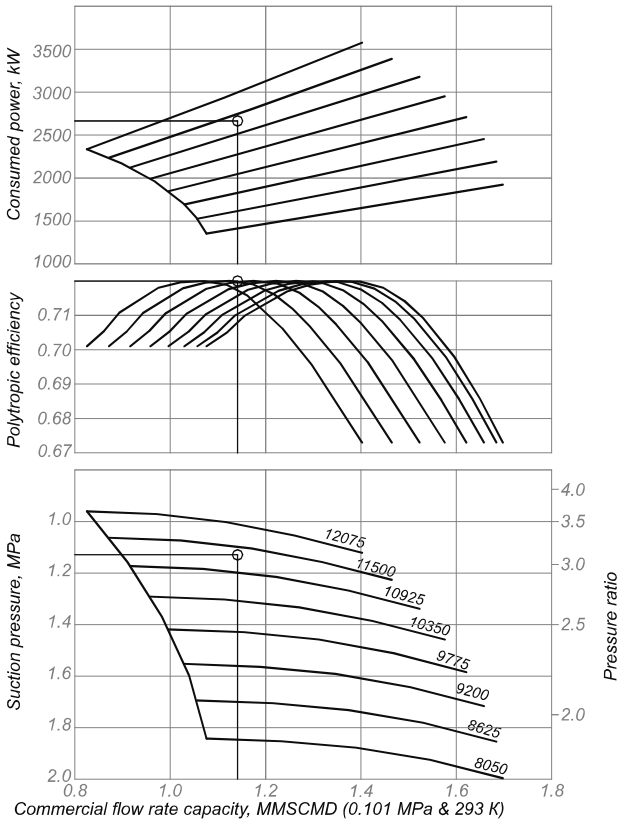
Centrifugal Compressor D223GC2-75/11.5-82M45



Basic technical parameters of the 1 section of centrifugal compressor D223GC2-75/11.5-82M45

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	13.2 (1.141)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.258 (75.50)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.129 (11.51)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	3.50 (35.68)
Pressure ratio (design)	3.10
Polytropic compressor efficiency, %, min	72
Compressor rotor rotation speed, design, s^{-1} (rpm)	188 (11300)
Nominal (design) power, consumed by the compressor, MW	2.664
Gas temperature at the compressor inlet, design, K (°C)	318 (+45)
Gas temperature rise in the compressor in nominal mode, (design), °C	108.95
Gas deviation factor under compressor inlet conditions	0.976

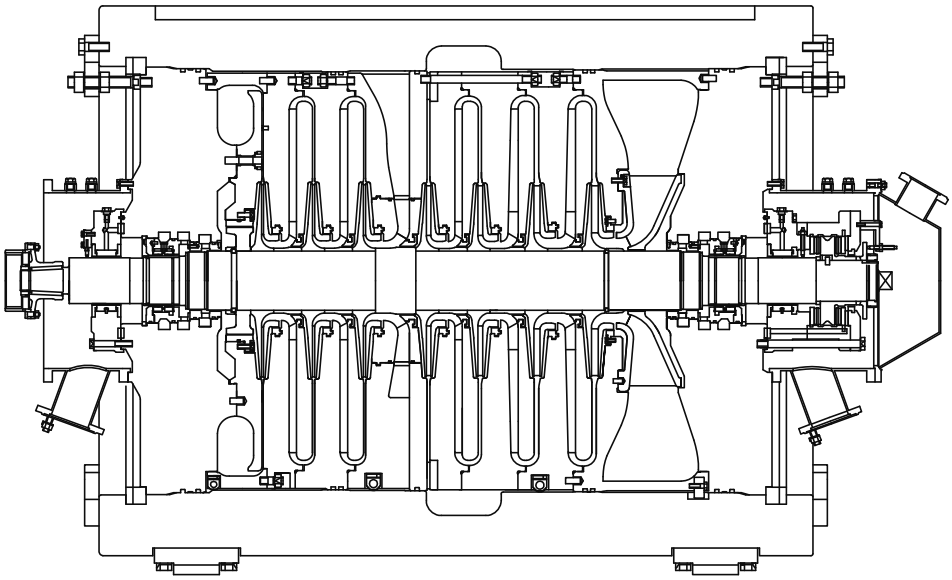
Dimensional characteristics of the 1 section of centrifugal compressor D223GC2-75/11,5-82M45



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*3.50*
Suction temperature, K	*318.0*
*Gas constant, J/(kg*deg)*	*429.0*

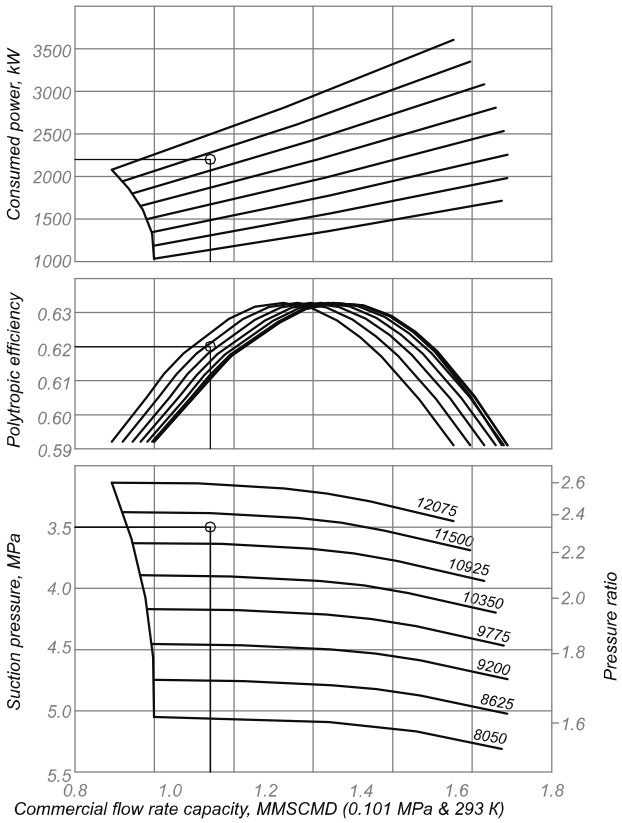
Centrifugal Compressor D223GC2-75/11.5-82M45



Basic technical parameters of the 2 section of centrifugal compressor D223GC2-75/11.5-82M45

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	13.2 (1.141)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	0.389 (23.33)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.469 (35.36)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	8.16 (82)
Pressure ratio (design)	2.352
Polytropic compressor efficiency, %, min	62
Compressor rotor rotation speed, design, s^{-1} (rpm)	188 (11300)
Nominal (design) power, consumed by the compressor, MW	2.201
Gas temperature at the compressor inlet, design, K (°C)	318 (+45)
Gas temperature rise in the compressor in nominal mode, (design), °C	94.16
Gas deviation factor under compressor inlet conditions	0.927

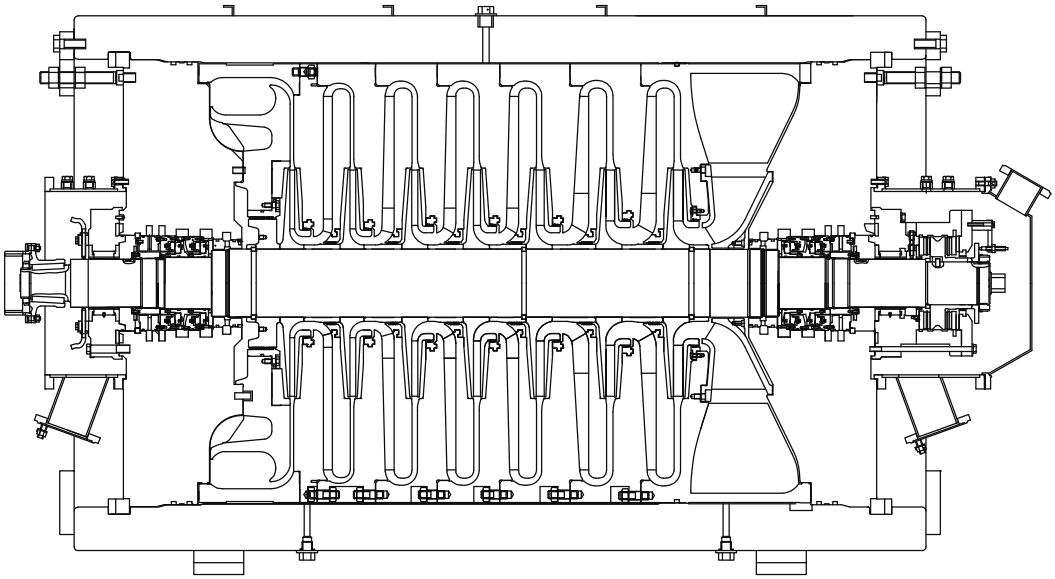
Dimensional characteristics of the 2 section of centrifugal compressor D223GC2-75/11.5-82M45



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*8.16*
Suction temperature, K	*318.0*
*Gas constant, J/(kg*deg)*	*429.0*

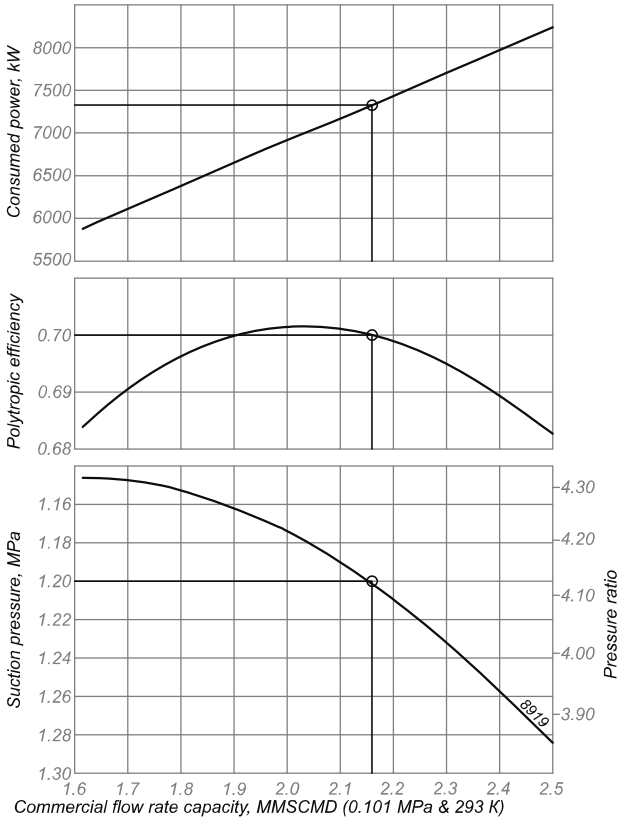
Centrifugal Compressor 225GC2-135/12-50M1245



Basic technical parameters of centrifugal compressor 225GC2-135/12-50M1245

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	25 (2.16)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	2.279 (136.76)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.20 (12.23)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	4.95 (50.46)
Pressure ratio (design)	4.125
Polytropic compressor efficiency, %, min	70
Compressor rotor rotation speed, design, s^{-1} (rpm)	148.7 (8919)
Nominal (design) power, consumed by the compressor, MW	7.325
Gas temperature at the compressor inlet, design, K (°C)	301.1
Gas temperature rise in the compressor in nominal mode, (design), °C	(+28) 155.7
Gas deviation factor under compressor inlet conditions	0.977

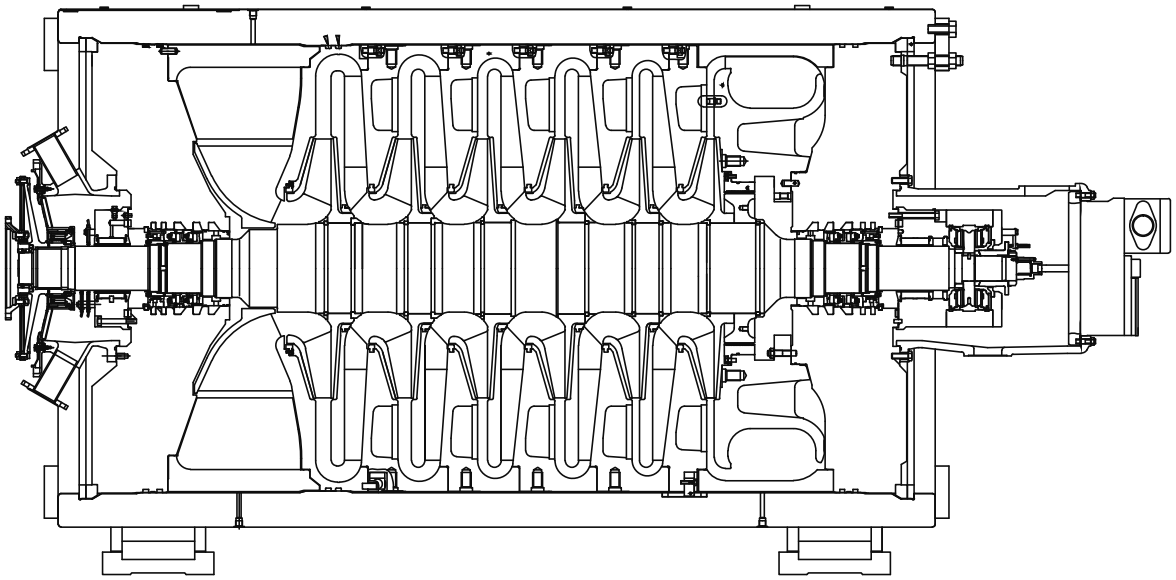
Dimensional characteristics of centrifugal compressor 225GC2-135/12-50M1245



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*4.95*
Suction temperature, °C	*28.0*
*Gas constant, J/(kg*deg)*	*475.4*

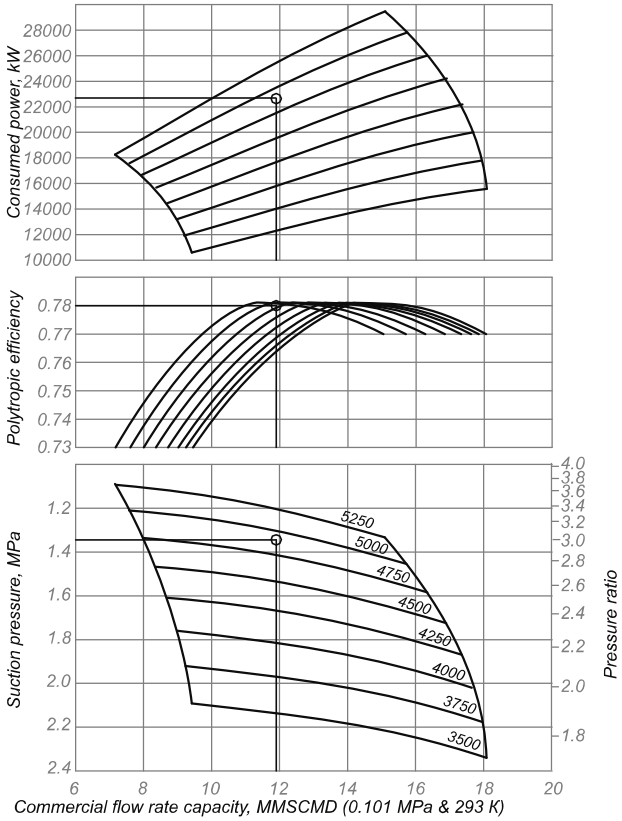
Centrifugal Compressor 324GC2-600/13.7-41M1



Basic technical parameters of centrifugal compressor 324GC2-600/13.7-41M1

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	137.73 (11.9)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	10.1 (605.86)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.34 (13.7)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	4.02 (41)
Pressure ratio (design)	3.0
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.7 (4900)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	87.5÷58.3 (5250÷3500)
Nominal (design) power, consumed by the compressor, MW	22.72
Gas temperature at the compressor inlet, design, K (°C)	293.1 (+20)
Gas temperature rise in the compressor in nominal mode, (design), °C	100
Gas deviation factor under compressor inlet conditions	0.968

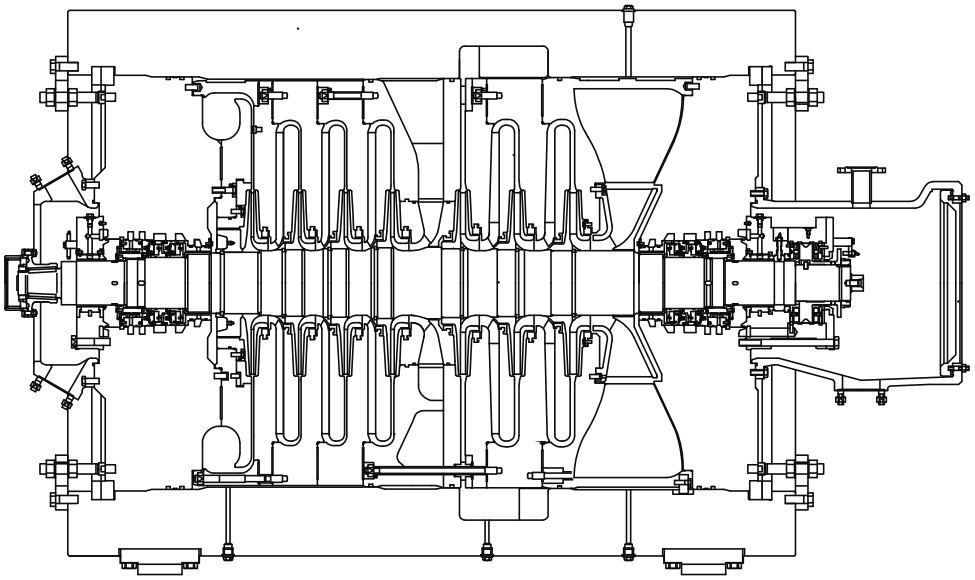
Dimensional characteristics центробежного компрессора высокого давления 324GC2-600/13.7-41M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*4.02*
Suction temperature, °C	*20.0*
*Gas constant, J/(kg*deg)*	*460.8*

Centrifugal Compressor D245GC2-112/15.5-78M1245

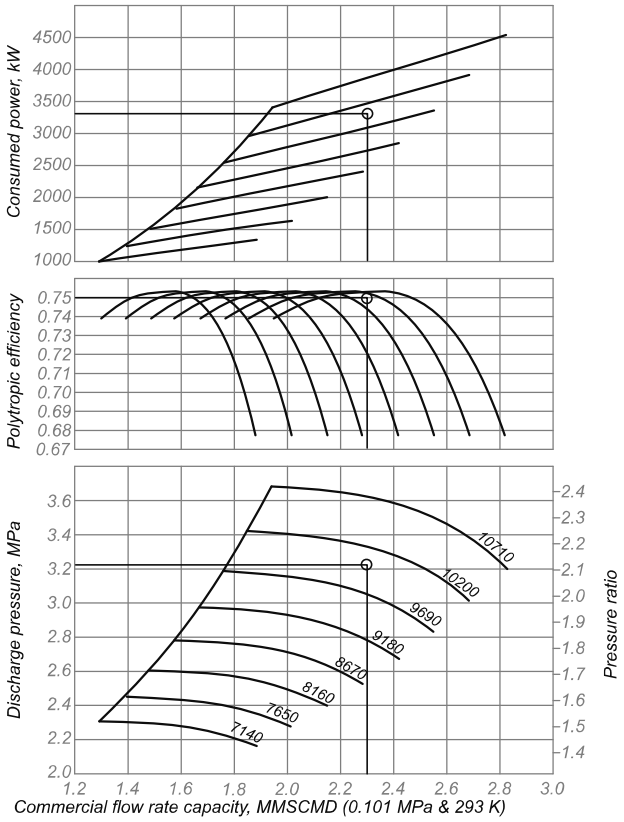


Gas, compressed by the centrifugal compressor, contains: hydrogen sulphide (H_2S) – 0.47% and carbon dioxid (CO_2) – 4.22%.

Basic technical parameters of the 1 section of centrifugal compressor D245GC2-112/15.5-78M1245

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm²), m³/s (MMCMD), min	26,62 (2,3)
Volumetric flow rate capacity, corrected for suction conditions, m³/s (m³/min), min	1,908 (114,49)
Suction pressure, absolute, MPa (kgf/cm²) nominal	1,522 (15,51)
Discharge pressure, absolute, MPa (kgf/cm²) nominal	3,224 (32,86)
Pressure ratio (design)	2,118
Polytropic compressor efficiency, %, min	75,0
Compressor rotor rotation speed, design, s⁻¹ (rpm)	166,67 (10000)
Range of changes of compressor rotor rotation speed, s⁻¹ (rpm)	95,67÷143,5 (7140÷10710)
Nominal (design) power, consumed by the compressor, MW	3,306
Gas temperature at the compressor inlet, design, K (°C)	323,15 (+50)
Gas temperature rise in the compressor in nominal mode, (design), °C	74,07
Gas deviation factor under compressor inlet conditions	0,975

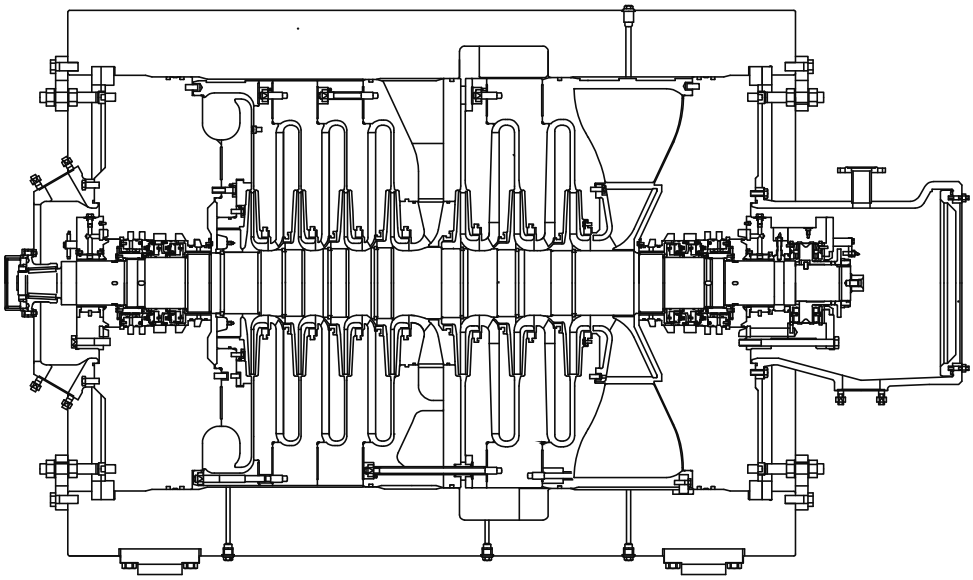
Dimensional characteristics of the 1 section of centrifugal compressor D245GC2-112/15.5-78M1245



The characteristics are designed for the following conditions:

Suction pressure, MPa	*1.52*
Suction temperature, K	*323.0*
*Gas constant, J/(kg*deg)*	*442.1*

Centrifugal Compressor D245GC2-112/15.5-78M1245

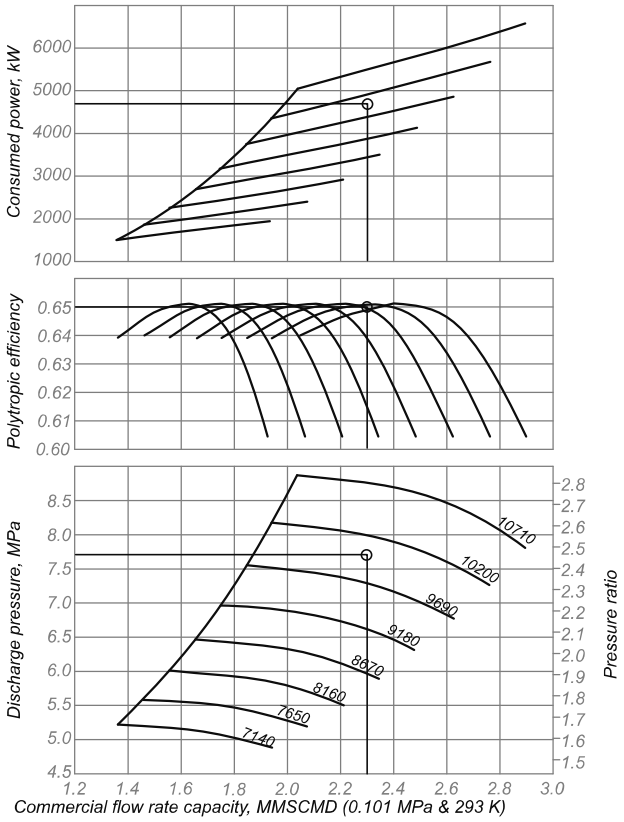


Gas, compressed by the centrifugal compressor, contains: hydrogen sulphide (H_2S) – 0.47% and carbon dioxid (CO_2) – 4.22%.

Basic technical parameters of the 2 section of centrifugal compressor D245GC2-112/15.5-78M1245

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm²), m³/s (MMCMD), min	26,62 (2,3)
Volumetric flow rate capacity, corrected for suction conditions, m³/s (m³/min), min	0,906 (54,33)
Suction pressure, absolute, MPa (kgf/cm²) nominal	3,124 (31,85)
Discharge pressure, absolute, MPa (kgf/cm²) nominal	7,7 (78,49)
Pressure ratio (design)	2,465
Polytropic compressor efficiency, %, min	65
Compressor rotor rotation speed, design, s⁻¹ (rpm)	166,67 (10000)
Range of changes of compressor rotor rotation speed, s⁻¹ (rpm)	95,67÷143,5 (7140÷10710)
Nominal (design) power, consumed by the compressor, MW	4,68
Gas temperature at the compressor inlet, design, K (°C)	323,15 (+50)
Gas temperature rise in the compressor in nominal mode, (design), °C	104,1
Gas deviation factor under compressor inlet conditions	0,949

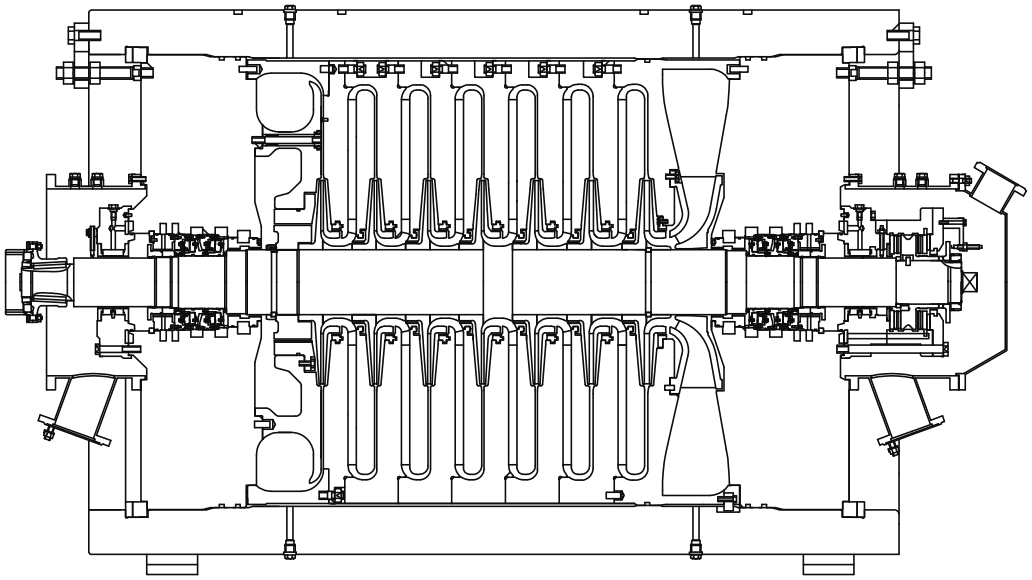
Dimensional characteristics of the 2 section of centrifugal compressor D245GC2-112/15.5-78M1245



The characteristics are designed for the following conditions:

Suction pressure, MPa	*3.12*
Suction temperature, K	*323.0*
*Gas constant, J/(kg*deg)*	*442.1*

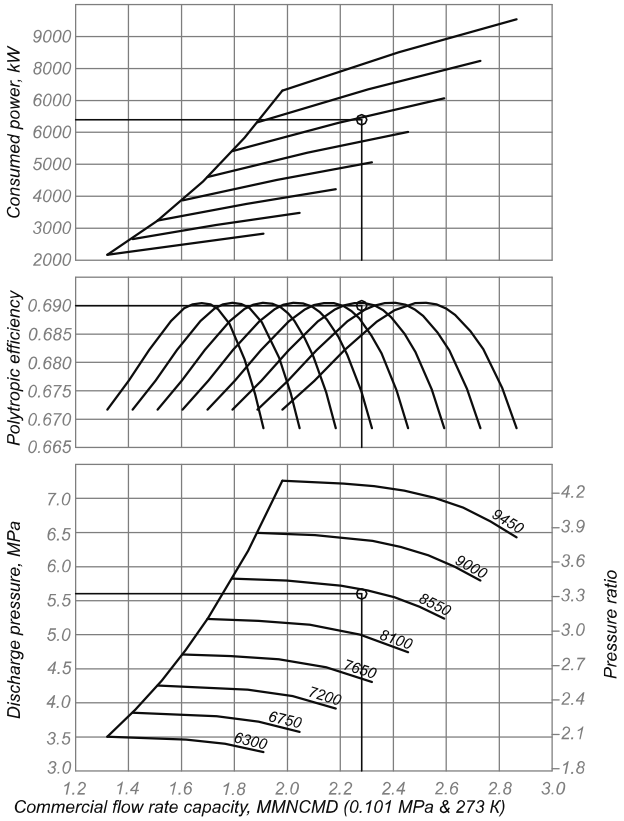
Centrifugal Compressor 225GC2-105/17-56M124



Basic technical parameters of centrifugal compressor 225GC2-105/17-56M124

Pparameter	Value
Flow rate capacity, corrected for temperature 273 K (0°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	26.39 (2.28)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.768 (106.08)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.685 (17.176)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal maximum	5.601 (57.1) 6.652 (67.81)
Pressure ratio (design)	3.324
Polytropic compressor efficiency, %, min	69.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	141.67 (8500)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	105 ÷ 157.5 (6300 ÷ 9450)
Nominal (design) power, consumed by the compressor (regardless of losses in the gearbox), MW	6.339
Gas temperature at the compressor inlet, design, K (°C)	313.15 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	129.82
Gas deviation factor under compressor inlet conditions	0.969

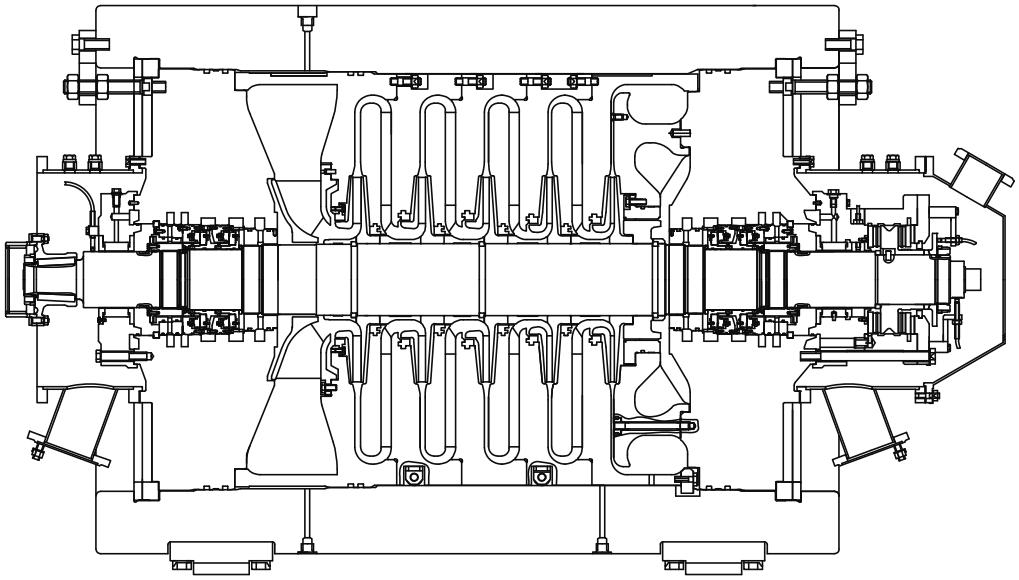
Dimensional characteristics центробежного компрессора высокого давления 225GC2-105/17-56M124



The characteristics are designed for the following conditions:

Suction pressure, MPa	*1.685*
Suction temperature, K	*313.0*
*Gas constant, J/(kg*deg)*	*462.6*

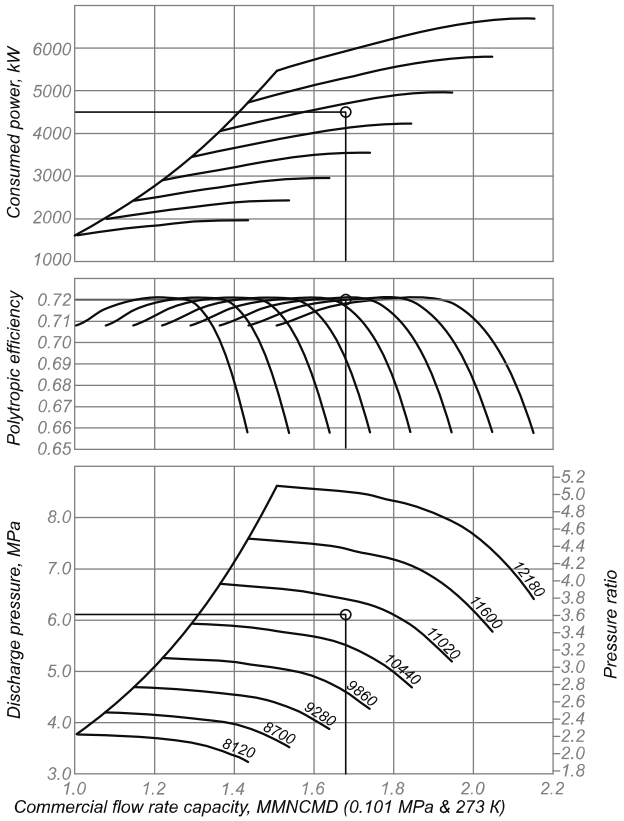
Centrifugal Compressor 185GC2-78/17-62M14



Basic technical parameters of centrifugal compressor 185GC2-78/17-62M14

Pparameter	Value
Flow rate capacity, corrected for temperature 273 K (0°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	19.44 (1.68)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.259 (75.58)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.69 (17.23)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal maximum	6.101 (62.19) 8.500 (86.65)
Pressure ratio (design)	3.61
Polytropic compressor efficiency, %, min	72.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	180.33 (10820)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	203 ÷ 135.33 (12180 ÷ 8120)
Nominal (design) power, consumed by the compressor, MW, nominal maximum	4.501 6.500
Gas temperature at the compressor inlet, design, K (°C)	313.15 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	107.42
Gas deviation factor under compressor inlet conditions	0.938

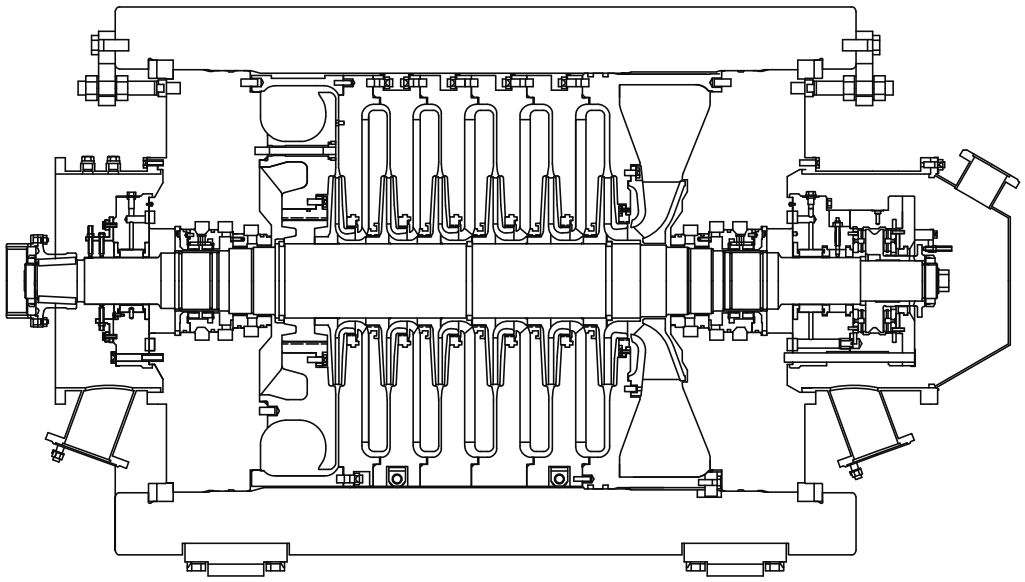
Dimensional characteristics of centrifugal compressor 185GC2-78/17-62M14



The characteristics are designed for the following conditions:

Suction pressure, MPa	*1.69*
Suction temperature, K	*313.0*
*Gas constant, J/(kg*deg)*	*343.0*

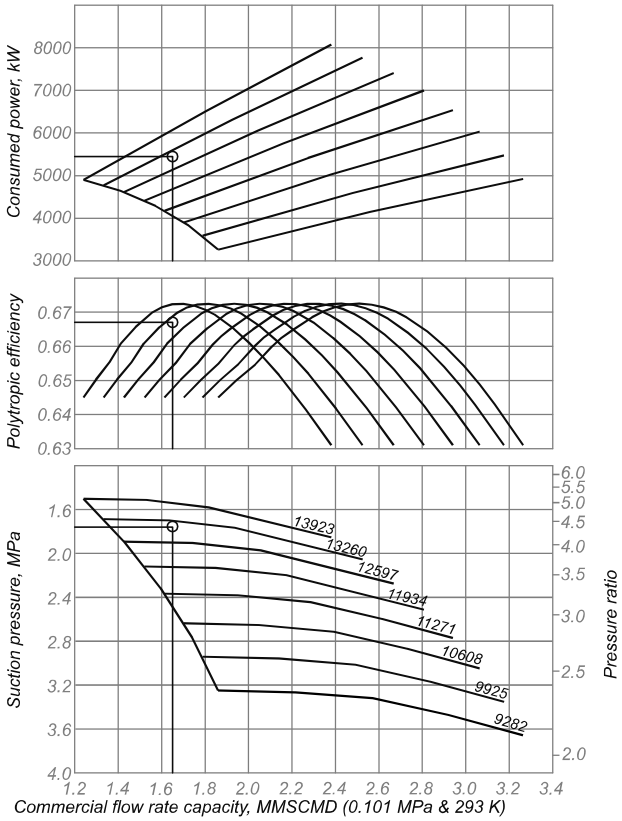
Centrifugal Compressor 183GC2-64/18-78M45



Basic technical parameters 1 режима of centrifugal compressor 183GC2-64/18-78M45

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	19.097 (1.65)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.067 (64.01)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.76 (17.94)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.68 (78.287)
Pressure ratio (design)	4.364
Polytropic compressor efficiency, %, min	66.7
Compressor rotor rotation speed, design, s^{-1} (rpm)	217.166 (13030)
Nominal (design) power, consumed by the compressor, MW	5.452
Gas temperature at the compressor inlet, design, K (°C)	295.15
Gas temperature rise in the compressor in nominal mode, (design), °C	167.63
Gas deviation factor under compressor inlet conditions	0.962

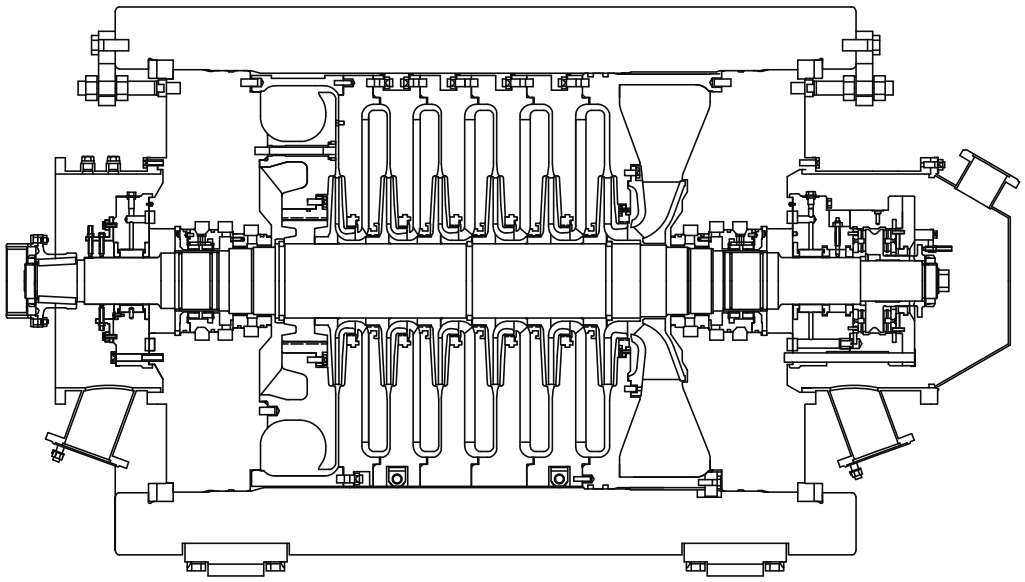
Dimensional characteristics 1 режима of centrifugal compressor 183GC2-64/18-78M45



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.68*
Suction temperature, K	*295.1*
*Gas constant, J/(kg*deg)*	*477.4*

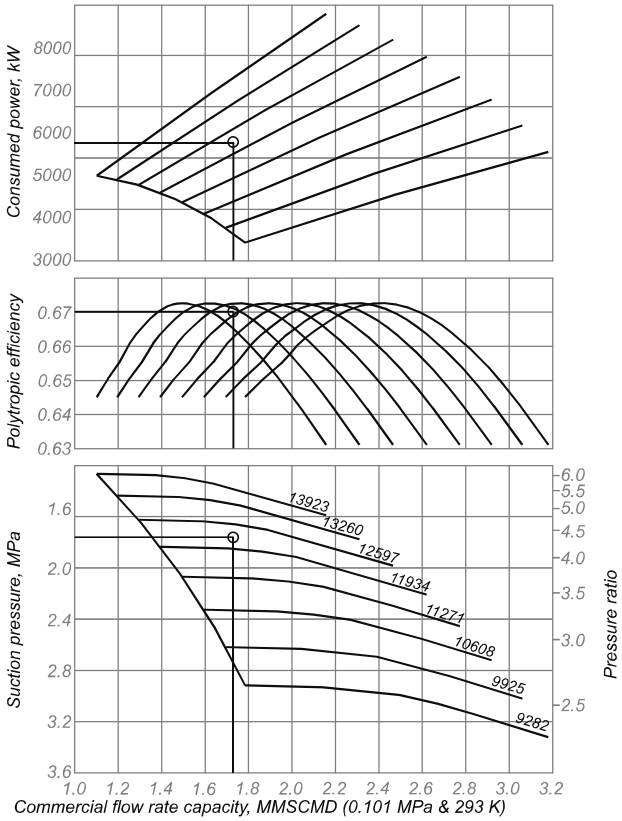
Centrifugal Compressor 183GC2-64/18-78M45



Basic technical parameters 2 режима of centrifugal compressor 183GC2-64/18-78M45

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	20.023 (1.73)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.05 (63.01)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.76 (17.94)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.68 (78.287)
Pressure ratio (design)	4.364
Polytropic compressor efficiency, %, min	67
Compressor rotor rotation speed, design, s^{-1} (rpm)	204.083 (12245)
Nominal (design) power, consumed by the compressor, MW	5.299
Gas temperature at the compressor inlet, design, K (°C)	281.15
Gas temperature rise in the compressor in nominal mode, (design), °C	154.69
Gas deviation factor under compressor inlet conditions	0.947

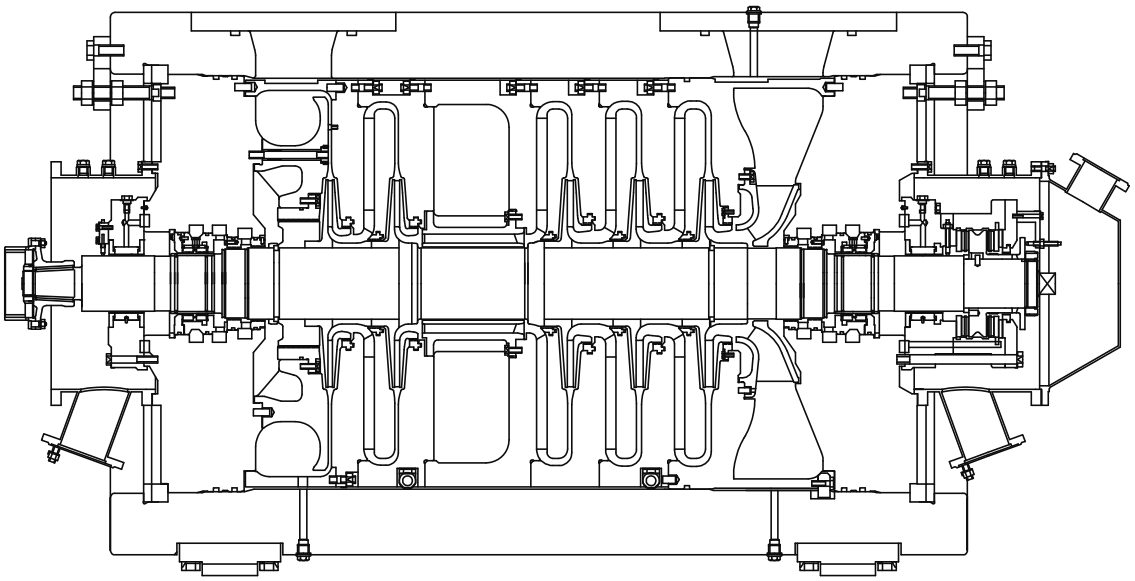
Dimensional characteristics 2 режима of centrifugal compressor 183GC2-64/18-78M45



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.68*
Suction temperature, K	*281.1*
*Gas constant, J/(kg*deg)*	*447.5*

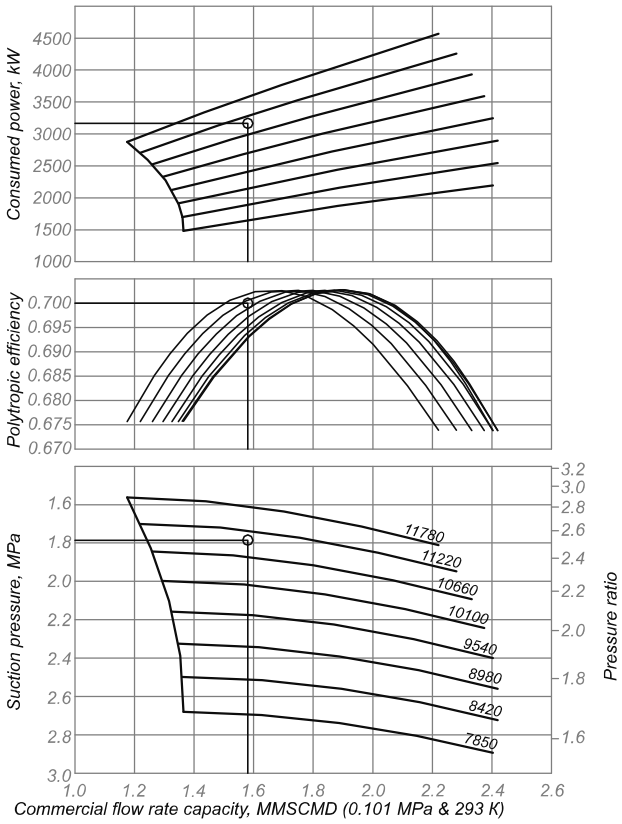
Centrifugal Compressor 185GC2-68/18-46M45



Basic technical parameters of centrifugal compressor 185GC2-68/18-46M45

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	18.292 (1.5804)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.135 (68.09)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.785 (18.196)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	4.513 (46.0)
Pressure ratio (design)	2.528
Polytropic compressor efficiency, %, min	70
Compressor rotor rotation speed, design, s^{-1} (rpm)	183 (11000)
Nominal (design) power, consumed by the compressor, MW	3.166
Gas temperature at the compressor inlet, design, K (°C)	328.15 (+55)
Gas temperature rise in the compressor in nominal mode, (design), °C	101.19
Gas deviation factor under compressor inlet conditions	0.974

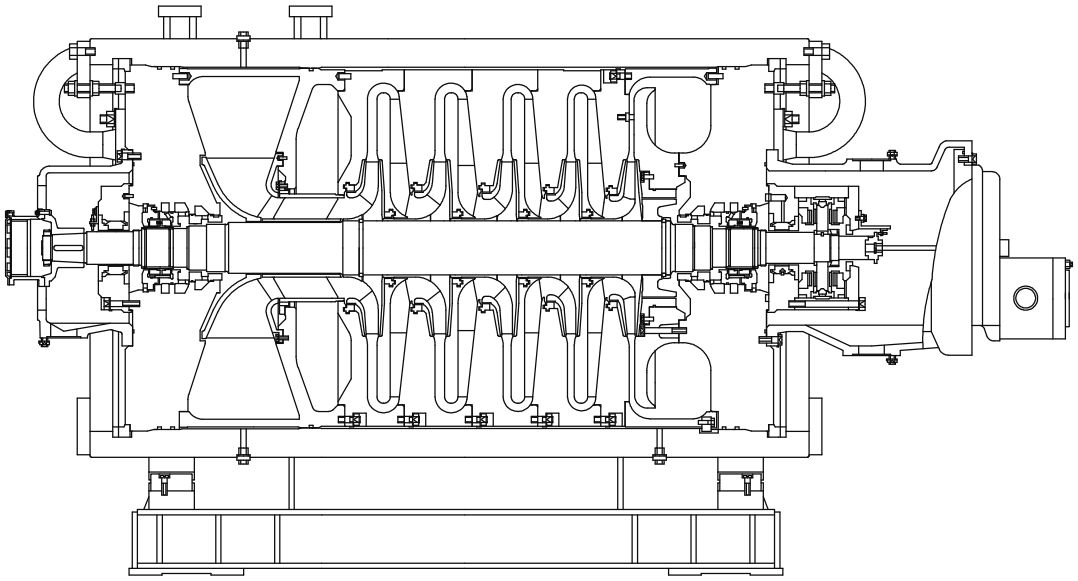
Dimensional characteristics of centrifugal compressor 185GC2-68/18-46M45



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*4.513*
Suction temperature, °C	*55.0*
*Gas constant, J/(kg*deg)*	*473.2*

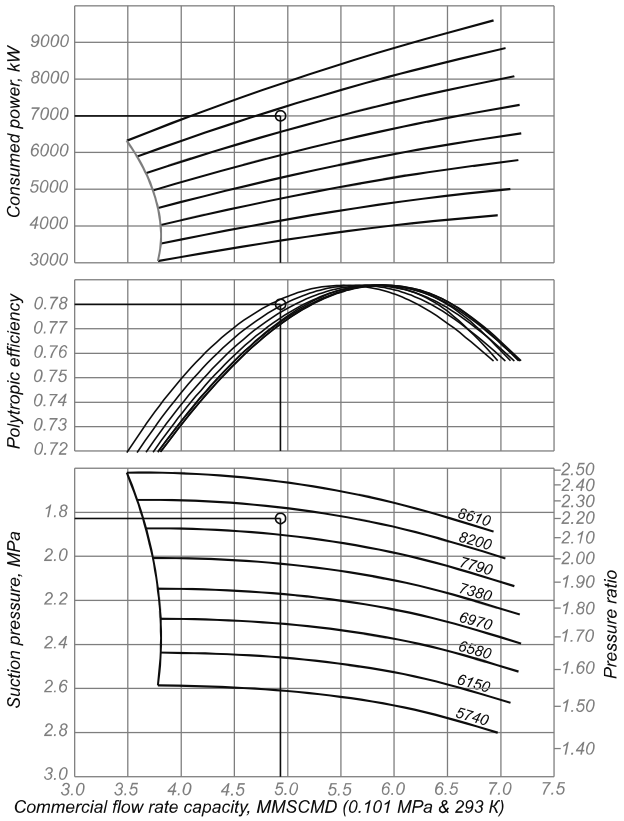
Centrifugal Compressor 225GC2-200/19-41



Basic technical parameters of centrifugal compressor 225GC2-200/19-41

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	57.789 (4.993)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.3168 (199.01)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.828 (18.6)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	4.022 (41)
Pressure ratio (design)	2.2
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	133.93 (8036)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	143.50 ÷ 95.67 (8610 ÷ 5740)
Nominal (design) power, consumed by the compressor, MW	7.0
Gas temperature at the compressor inlet, design, K (°C)	313.0 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	74.5
Gas deviation factor under compressor inlet conditions	0.970

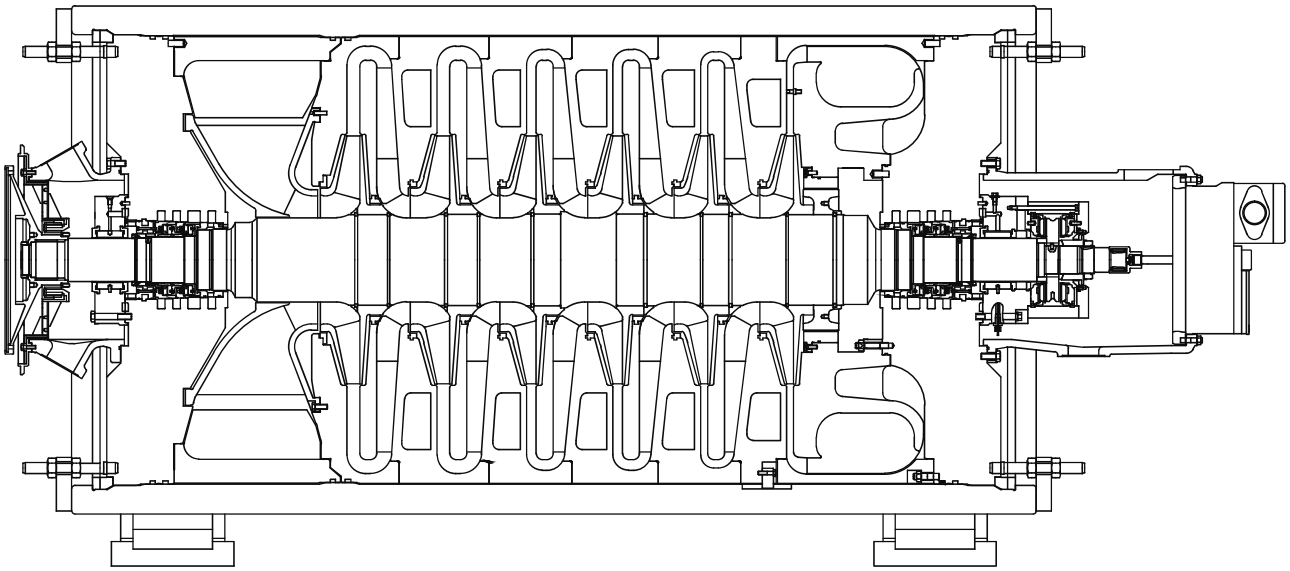
Dimensional characteristics of centrifugal compressor 225GC2-200/19-41



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*4.022*
Suction temperature, K	*313.1*
*Gas constant, J/(kg*deg)*	*469.1*

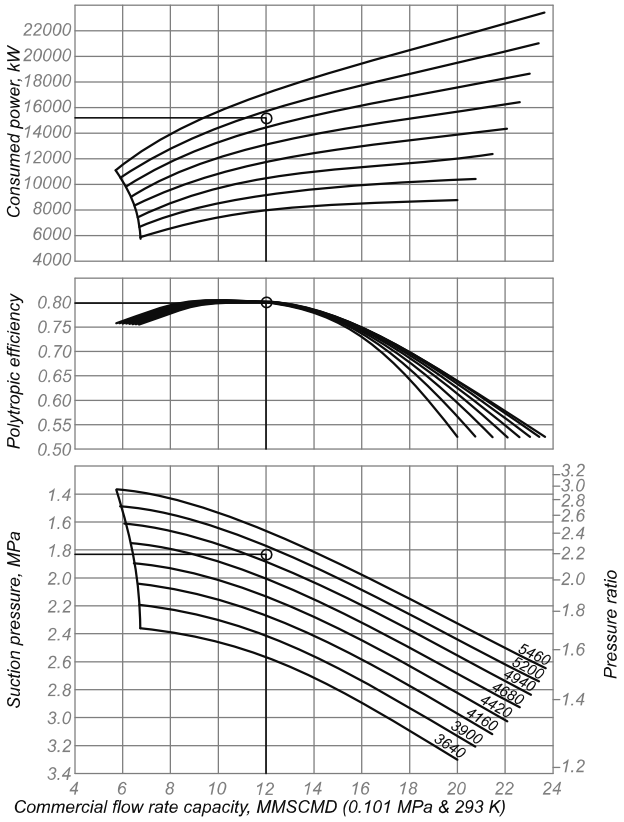
Centrifugal Compressor 295GC2-440/18.5-41M1



Basic technical parameters of centrifugal compressor 295GC2-440/18.5-41M1

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	138.9 (12)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	7.3 (438.2)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.828 (18.6)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	4.022 (41)
Pressure ratio (design)	2.2
Polytropic compressor efficiency, %, min	80
Compressor rotor rotation speed, design, s^{-1} (rpm)	84.57 (5070)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	60.7÷91 (3640÷5460)
Nominal (design) power, consumed by the compressor, MW	15.14
Gas temperature at the compressor inlet, design, K (°C)	288.15 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	73
Gas deviation factor under compressor inlet conditions	0.964

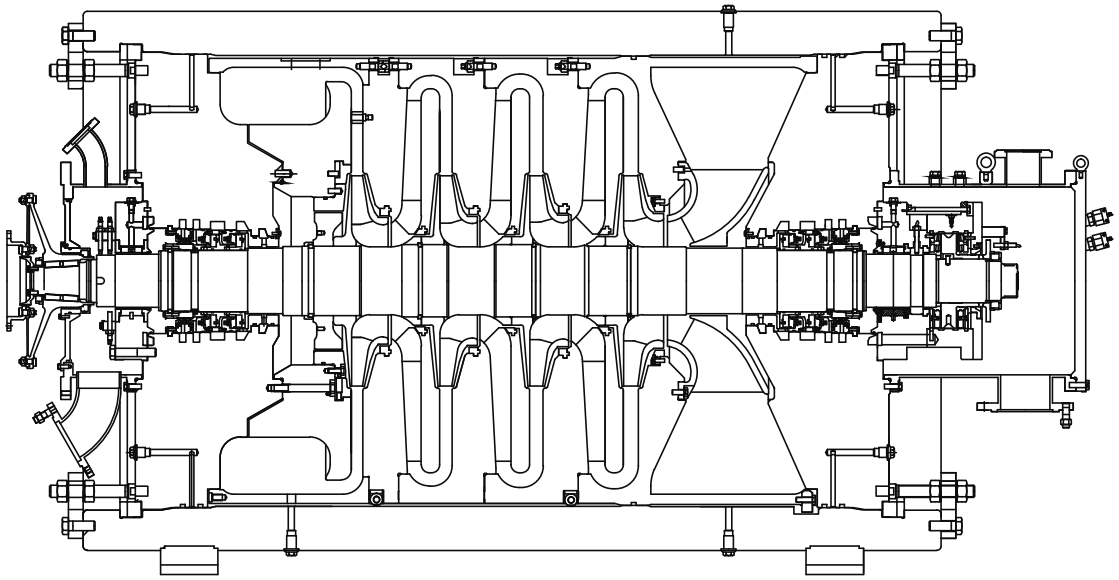
Dimensional characteristics of centrifugal compressor 295GC2-440/18.5-41M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*4.02*
Suction temperature, K	*288.0*
*Gas constant, J/(kg*deg)*	*509.1*

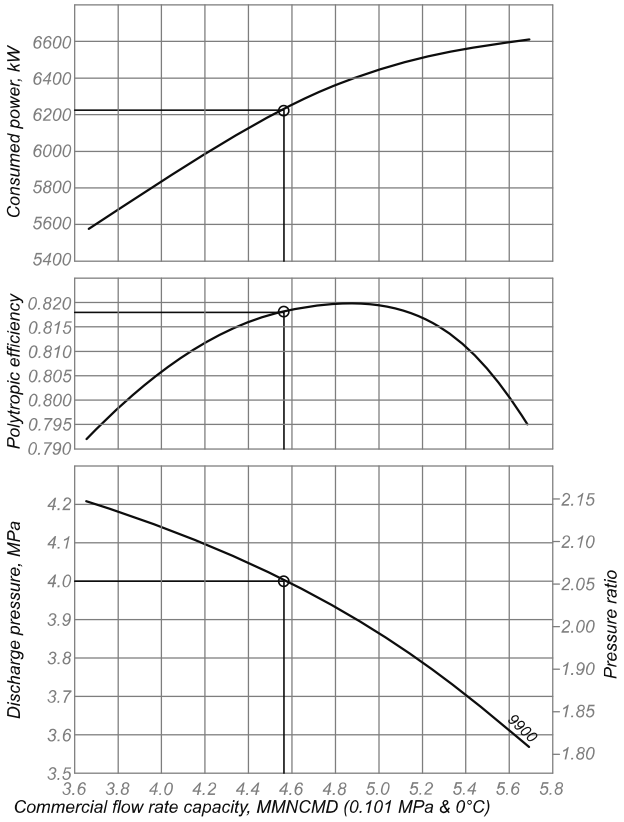
Centrifugal Compressor 224GC2-220/19.5-40M123



Basic technical parameters of centrifugal compressor 224GC2-220/19.5-40M123

Pparameter	Value
Flow rate capacity, corrected for temperature 273 K (0°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	52.82 (4.564)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.124 (187.42)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	1.96 (20.0)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	4.00 (40.8)
Pressure ratio (design)	2.041
Polytropic compressor efficiency, %, min	81.8
Compressor rotor rotation speed, design, s^{-1} (rpm)	165 (9900)
Nominal (design) power, consumed by the compressor, MW	6.224
Gas temperature at the compressor inlet, design, K (°C)	320 (+46.9)
Gas temperature rise in the compressor in nominal mode, (design), °C	68.3
Gas deviation factor under compressor inlet conditions	0.974

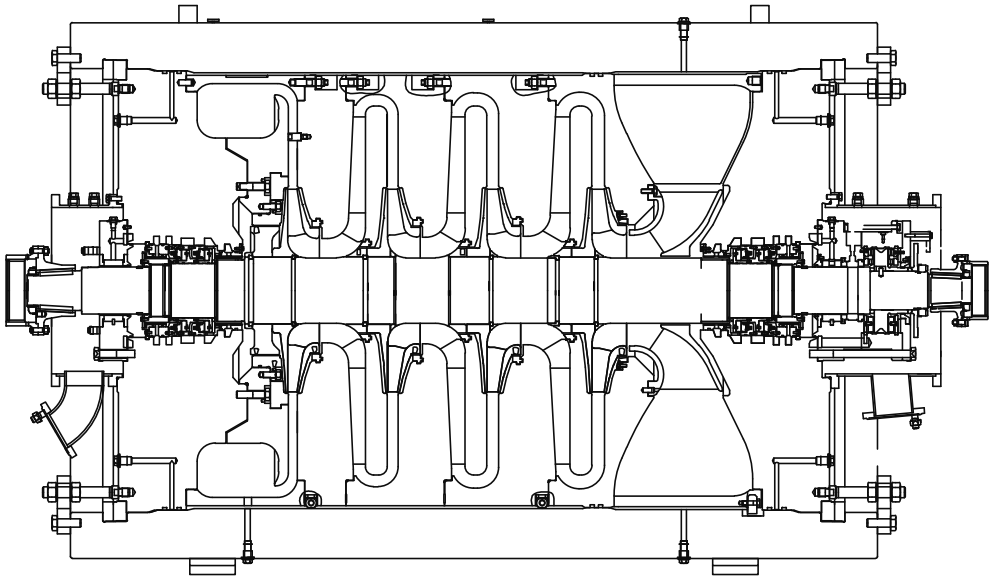
Dimensional characteristics of centrifugal compressor 224GC2-220/19.5-40M123



The characteristics are designed for the following conditions:

Suction pressure, MPa	*1.96*
Suction temperature, °C	*46.9*
*Gas constant, J/(kg*deg)*	*511.7*

Centrifugal Compressor 244GC2-220/20.5-44M12456

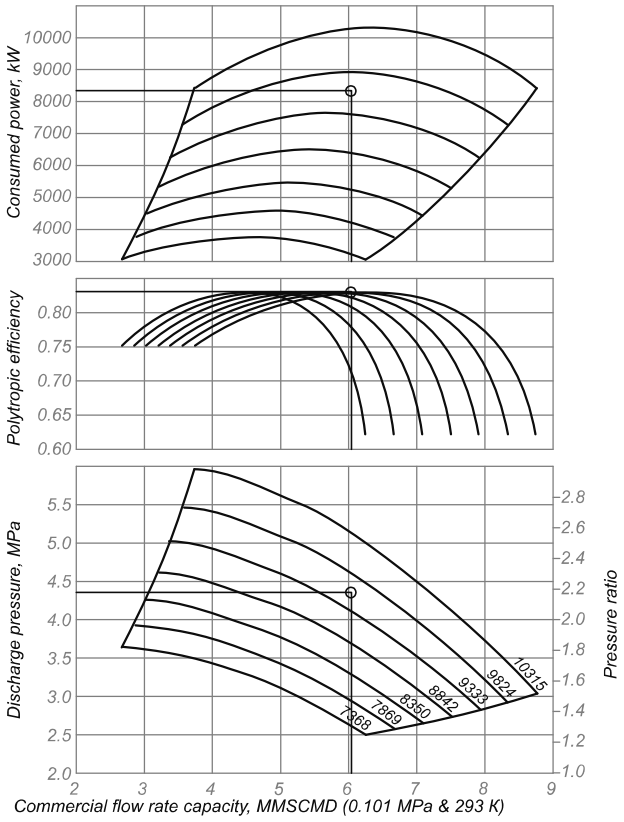


Gas, compressed by the centrifugal compressor, contains: hydrogen sulphide (H_2S) – 0,08% and carbon dioxid (CO_2) – 3,79%.

Basic technical parameters of centrifugal compressor 244GC2-220/20.5-44M12456

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm²), m³/s (MMCMD), min	70.2 (6.05)
Volumetric flow rate capacity, corrected for suction conditions, m³/s (m³/min), min	3.797 (227.82)
Suction pressure, absolute, MPa (kgf/cm²) nominal	2.0 (20.4)
Discharge pressure, absolute, MPa (kgf/cm²) nominal	4.36 (44.5)
Pressure ratio (design)	2.18
Polytropic compressor efficiency, %, min	83
Compressor rotor rotation speed, design, s⁻¹ (rpm)	160 (9600)
Range of changes of compressor rotor rotation speed, s⁻¹ (rpm)	171.9÷122.8 (10315÷7368)
Nominal (design) power, consumed by the compressor, MW	8.333
Gas temperature at the compressor inlet, design, K (°C)	323.1 (+50)
Gas temperature rise in the compressor in nominal mode, (design), °C	71.1
Gas deviation factor under compressor inlet conditions	0.969

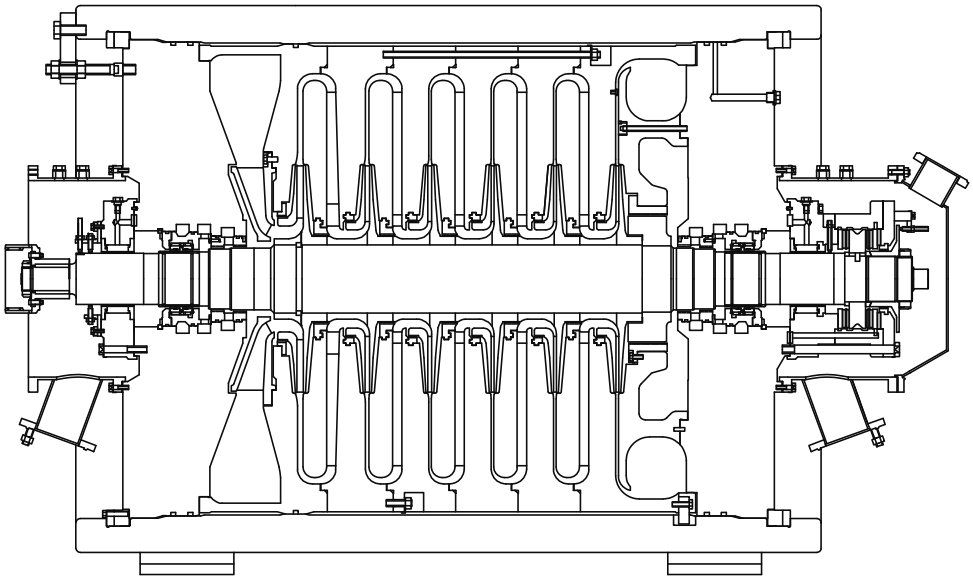
Dimensional characteristics of centrifugal compressor 244GC2-220/20.5-44M12456



The characteristics are designed for the following conditions:

Suction pressure, MPa	*2.00*
Suction temperature, °C	*50.0*
*Gas constant, J/(kg*deg)*	*449.6*

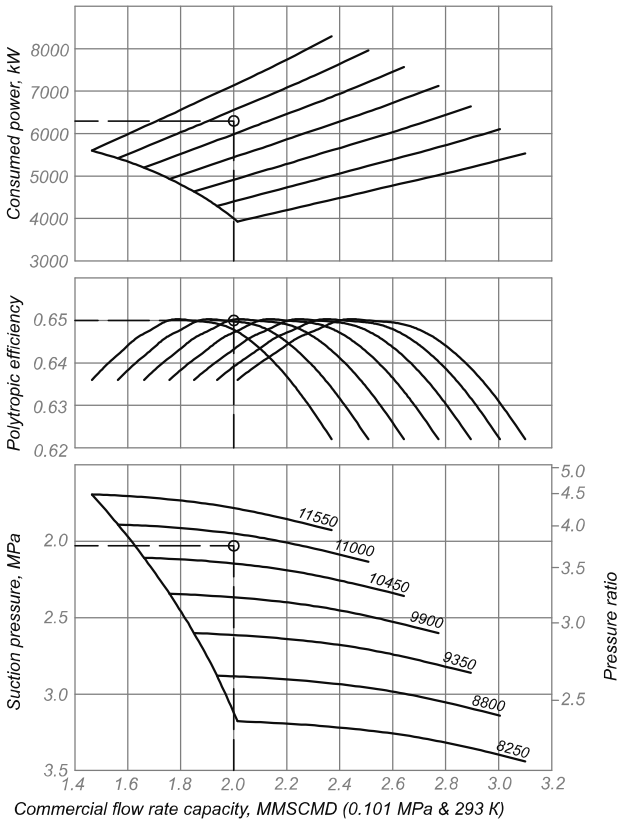
Centrifugal Compressor 223GC2-73/20.5-76



Basic technical parameters of centrifugal compressor 223GC2-73/20.5-76

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	23.148 (2.0)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.194 (71.62)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	2.03 (20.69)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.601 (77.482)
Pressure ratio (design)	3.744
Polytropic compressor efficiency, %, min	65
Compressor rotor rotation speed, design, s^{-1} (rpm)	179.25 (10755)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	137.5 ÷ 192.5 (8250 ÷ 11550)
Nominal (design) power, consumed by the compressor, MW	6.299
Gas temperature at the compressor inlet, design, K (°C)	313 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	155
Gas deviation factor under compressor inlet conditions	0.965

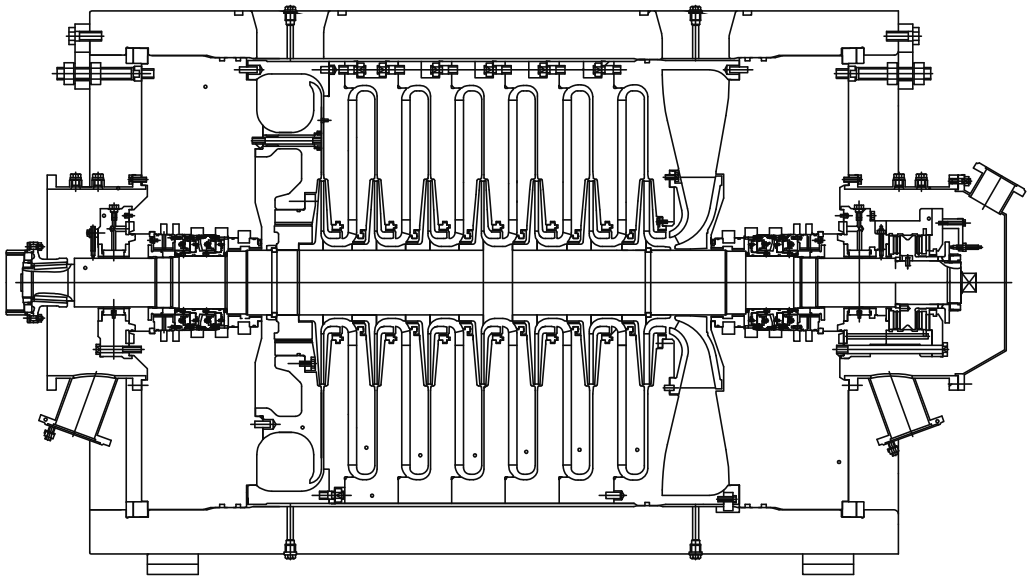
Dimensional characteristics of centrifugal compressor 223GC2-73/20.5-76



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.601*
Suction temperature, K	*313*
*Gas constant, J/(kg*deg)*	*473.5*

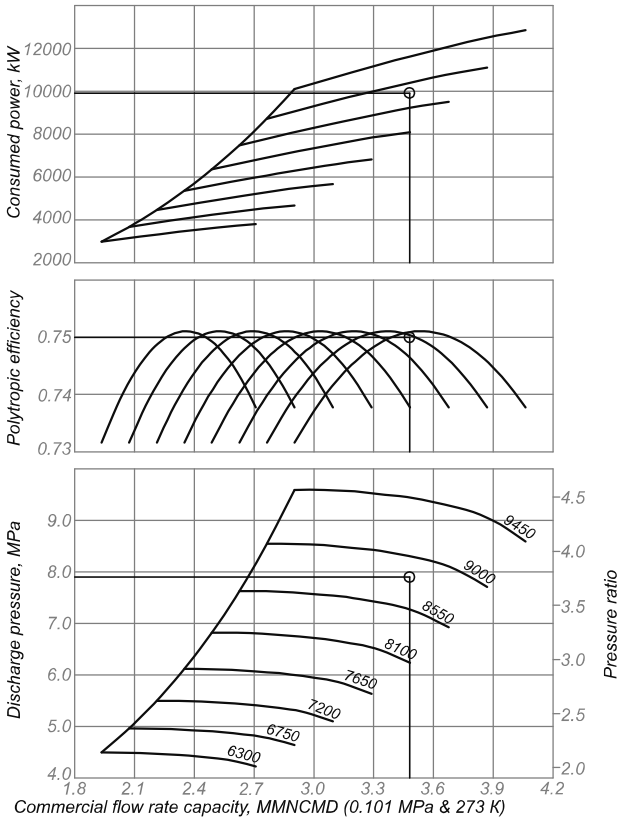
Centrifugal Compressor 225GC2-125/21-80M124



Basic technical parameters of centrifugal compressor 225GC2-125/21-80M124

Pparameter	Value
Flow rate capacity, corrected for temperature 273 K (0°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	40.28 (3.48)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	2.149 (128.96)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	2.101 (21.42)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.901 (80.54)
Pressure ratio (design)	3.760
Polytropic compressor efficiency, %, min	75.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	147.0 (8820)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	105 ÷ 157.5 (6300 ÷ 9450)
Nominal (design) power, consumed by the compressor, MW	9.919
Gas temperature at the compressor inlet, design, K (°C)	313 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	134.75
Gas deviation factor under compressor inlet conditions	0.963

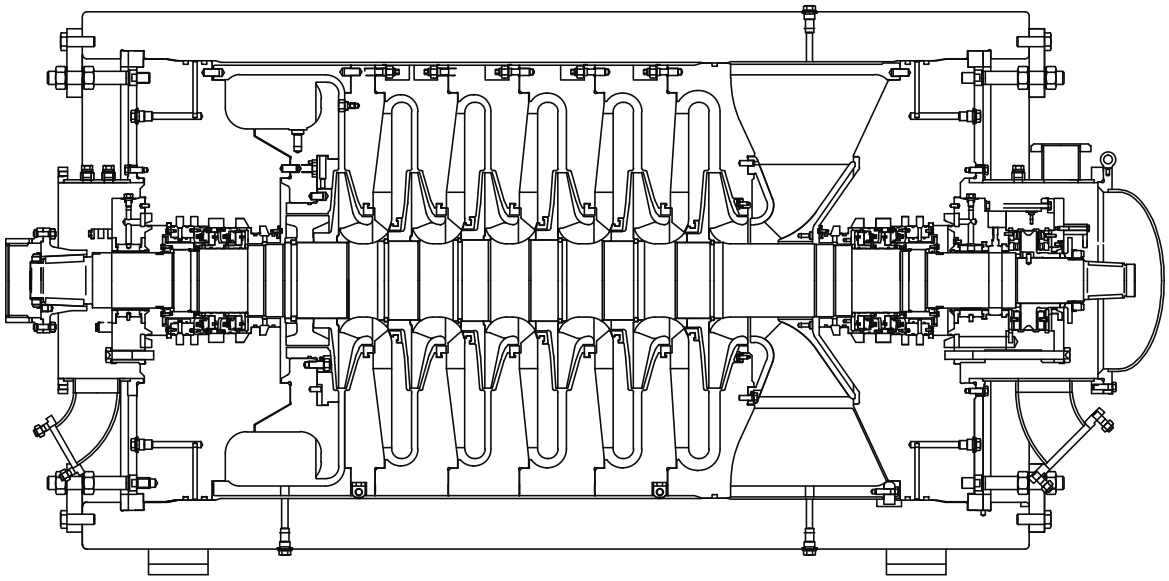
Dimensional characteristics of centrifugal compressor 225GC2-125/21-80M124



The characteristics are designed for the following conditions:

Suction pressure, MPa	*2.101*
Suction temperature, K	*313.0*
*Gas constant, J/(kg*deg)*	*469.7*

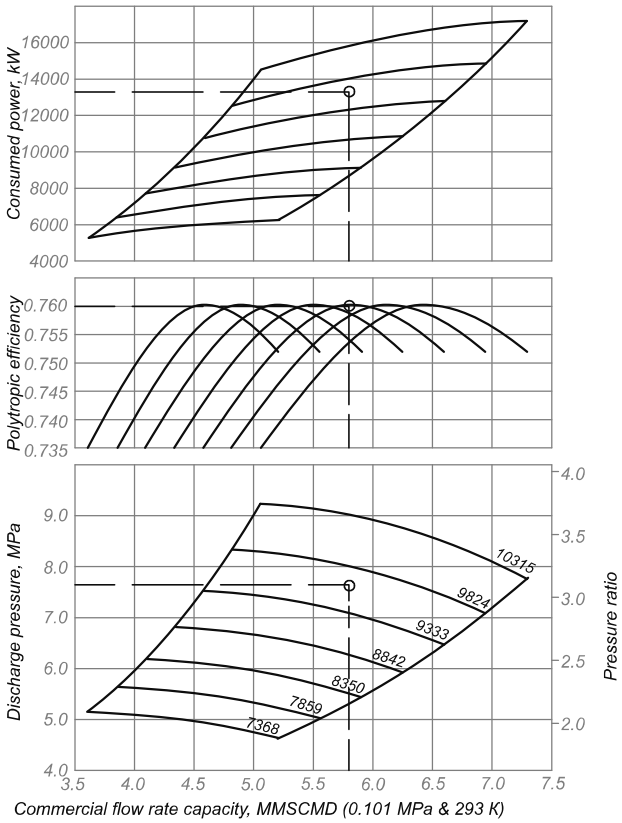
Centrifugal Compressor 203GC2-175/25-78M12345



Basic technical parameters of centrifugal compressor 203GC2-175/25-78M12345

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	67.11 (5.798)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	2.918 (175.05)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	2.47 (25.18)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.65 (78)
Pressure ratio (design)	3.097
Polytropic compressor efficiency, %, min	76
Compressor rotor rotation speed, design, s^{-1} (rpm)	160.5 (9630)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	171.9÷122.8 (10315÷7368)
Nominal (design) power, consumed by the compressor, MW	13.283
Gas temperature at the compressor inlet, design, K (°C)	323.1 (+50)
Gas temperature rise in the compressor in nominal mode, (design), °C	111.9
Gas deviation factor under compressor inlet conditions	0.959

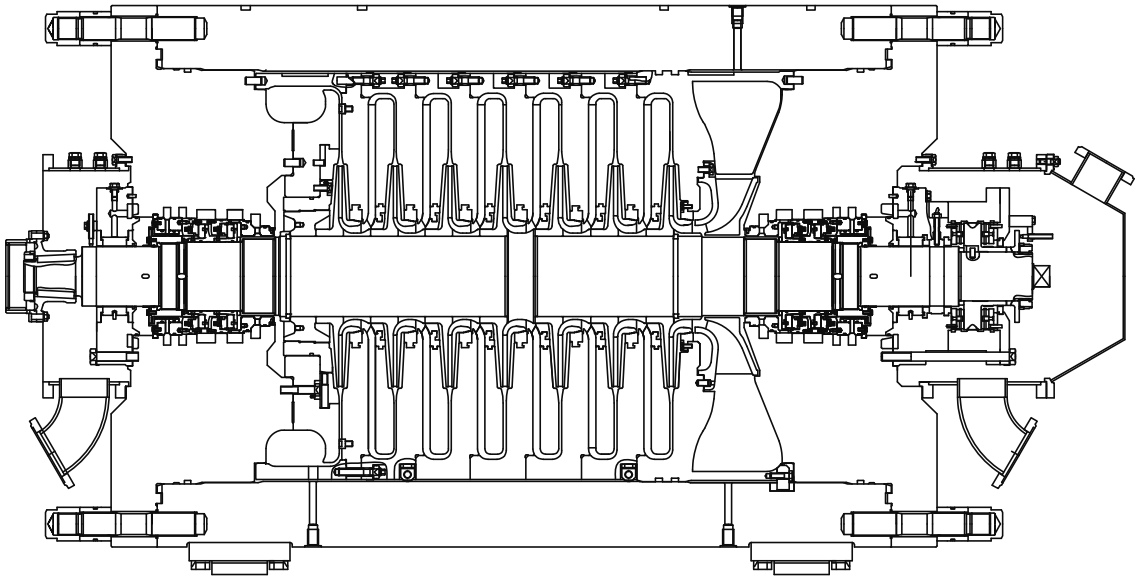
Dimensional characteristics of centrifugal compressor 203GC2-175/25-78M12345



The characteristics are designed for the following conditions:

Suction pressure, MPa	*2.47*
Suction temperature, °C	*50*
*Gas constant, J/(kg*deg)*	*454.8*

Centrifugal Compressor 185GC2-42/29-82M12345

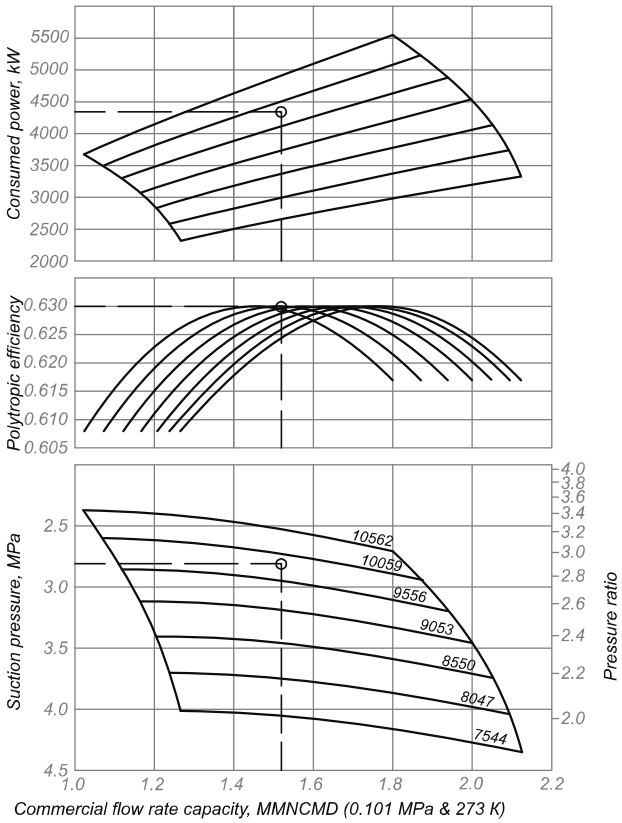


Gas, compressed by the centrifugal compressor, contains: hydrogen sulphide (H_2S) – 0,016% and carbon dioxid (CO_2) – 3,22%.

Basic technical parameters of centrifugal compressor 185GC2-42/29-82M12345

Pparameter	Value
Flow rate capacity, corrected for temperature 273 K (0°C) and pressure 0.101 MPa (1.033 kgf/cm²), m³/s (MMCMD), min	17.59 (1.52)
Volumetric flow rate capacity, corrected for suction conditions, m³/s (m³/min), min	0.72 (43.19)
Suction pressure, absolute, MPa (kgf/cm²) nominal	2.81 (28.64)
Discharge pressure, absolute, MPa (kgf/cm²) nominal	8.15 (83.08)
Pressure ratio (design)	2.901
Polytropic compressor efficiency, %, min	63
Compressor rotor rotation speed, design, s⁻¹ (rpm)	164.33 (9860)
Range of changes of compressor rotor rotation speed, s⁻¹ (rpm)	176÷125.7 (10562÷7544)
Nominal (design) power, consumed by the compressor, MW	4.355
Gas temperature at the compressor inlet, design, K (°C)	323.1 (+50)
Gas temperature rise in the compressor in nominal mode, (design), °C	130
Gas deviation factor under compressor inlet conditions	0.956

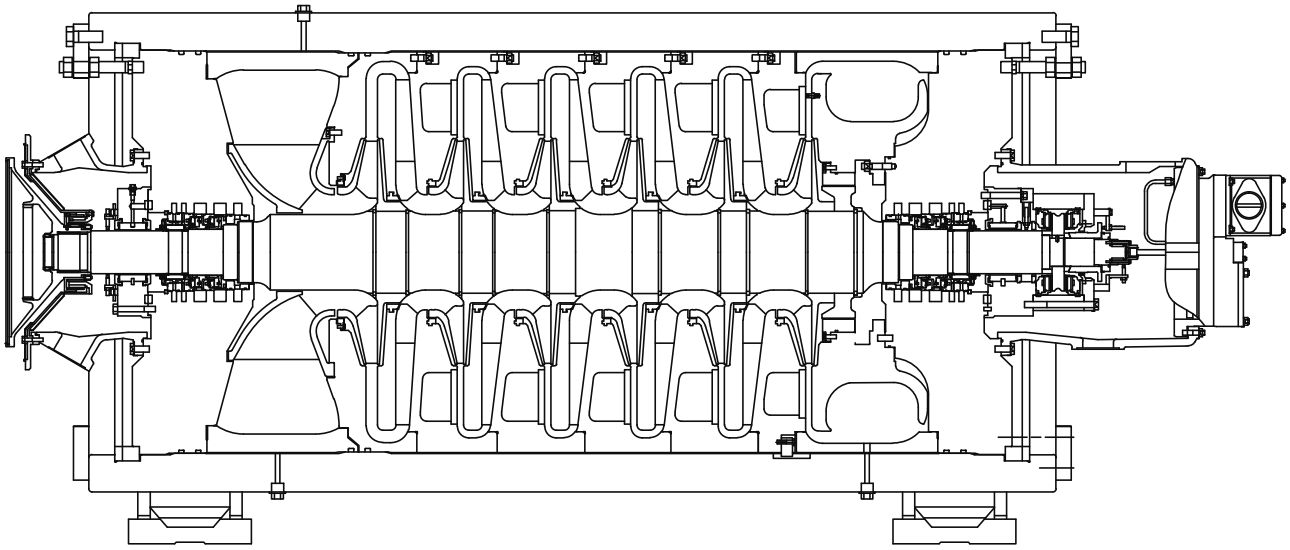
Dimensional characteristics of centrifugal compressor 185GC2-42/29-82M12345



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*8.15*
Suction temperature, °C	*50*
*Gas constant, J/(kg*deg)*	*450.85*

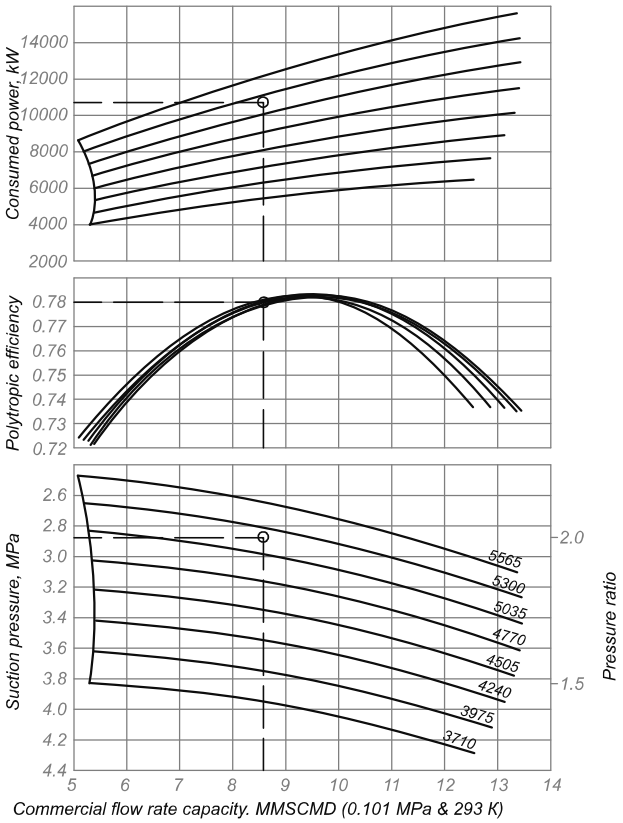
Centrifugal Compressor 265GC2-220/29-58M1



Basic technical parameters of centrifugal compressor 265GC2-220/29-58M1

Pparameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	99.2 (8.57)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.707 (222.42)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	2.875 (29.31)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	5.75 (58.63)
Pressure ratio (design)	2.0
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	86.66 (5200)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	92.75÷61.83 (5565÷3710)
Nominal (design) power, consumed by the compressor, MW	10.725
Gas temperature at the compressor inlet, design, K (°C)	323.15 (+50)
Gas temperature rise in the compressor in nominal mode, (design), °C	68.93
Gas deviation factor under compressor inlet conditions	0.96

Dimensional characteristics of centrifugal compressor 265GC2-220/29-58M1

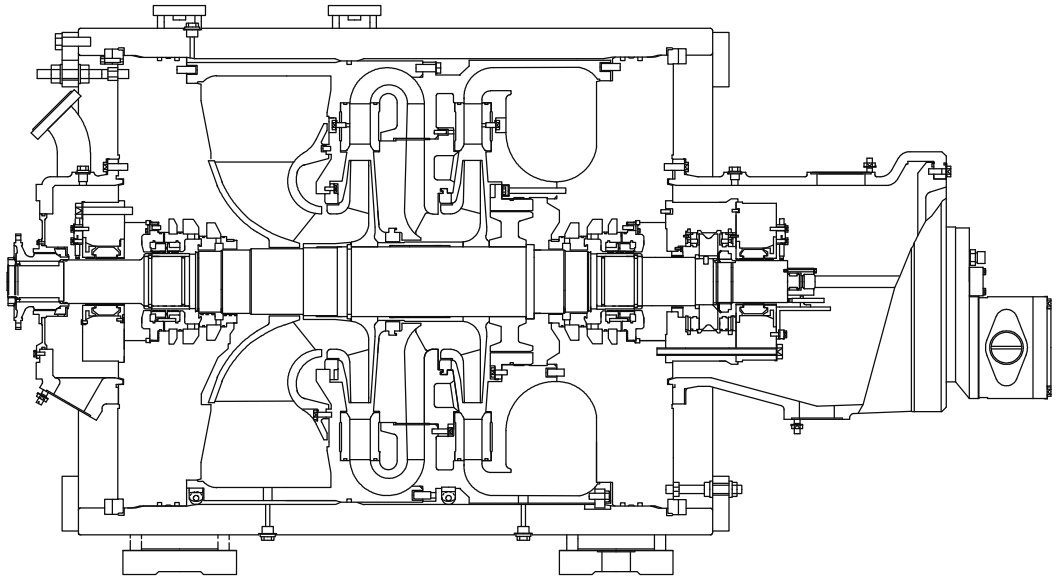


Commercial flow rate capacity. MMSCMD (0.101 MPa & 293 K)

The characteristics are designed for the following conditions:

Discharge pressure, MPa	*5.75*
Suction temperature, °C	*50.0*
*Gas constant, J/(kg*deg)*	*478.0*

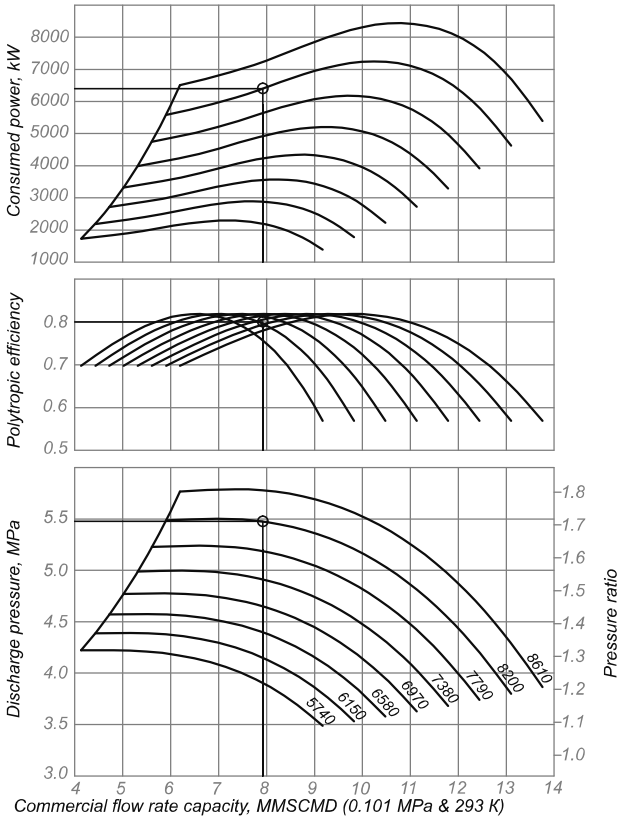
Centrifugal Compressor 8GC2-160/33-56



Basic technical parameters of centrifugal compressor 8GC2-160/33-56

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	91.68 (7.920)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	2.650 (159.11)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.23 (32.93)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	5.49 (56.0)
Pressure ratio (design)	1.70
Polytropic compressor efficiency, %, min	80
Compressor rotor rotation speed, design, s^{-1} (rpm)	136.67 (8200)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	143.50 ÷ 95.67 (8610 ÷ 5740)
Nominal (design) power, consumed by the compressor, MW	6.3
Gas temperature at the compressor inlet, design, K (°C)	288.0 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	48.5
Gas deviation factor under compressor inlet conditions	0.936

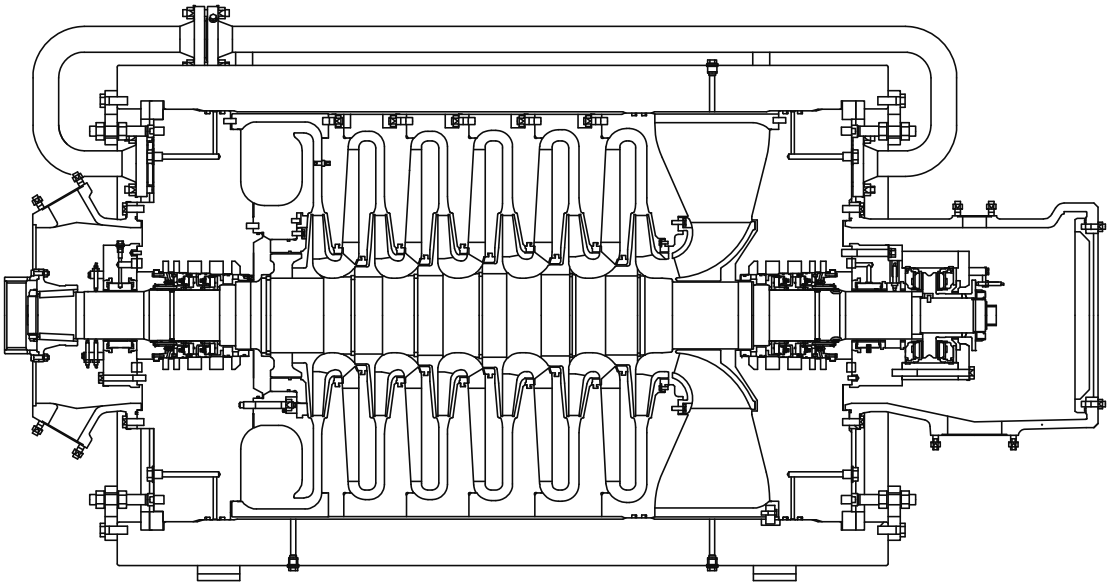
Dimensional characteristics of centrifugal compressor 8GC2-160/33-56



The characteristics are designed for the following conditions:

Suction pressure, MPa	*3.2*
Suction temperature, K	*303.1*
*Gas constant, J/(kg*deg)*	*470.2*

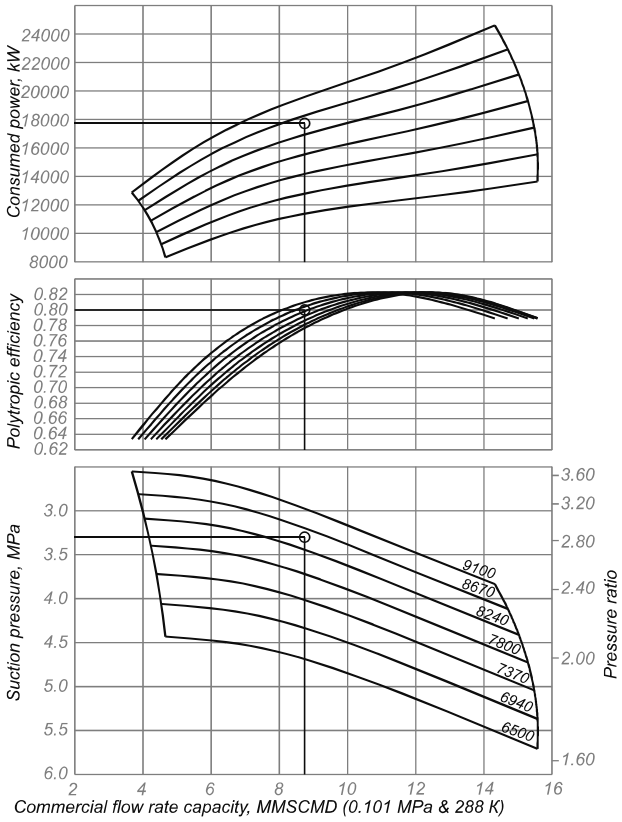
Centrifugal Compressor 245GC2-200/33-95M1



Basic technical parameters of centrifugal compressor 245GC2-200/33-95M1

Parameter	Value
Flow rate capacity, corrected for temperature 288 K (+15°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	101.19 (8.743)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.342 (200.51)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.3 (33.64)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	9.35 (95.31)
Pressure ratio (design)	2.83
Polytropic compressor efficiency, %, min	80
Compressor rotor rotation speed, design, s^{-1} (rpm)	141.67 (8500)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	151.67 ÷ 101.17 (9100 ÷ 6070)
Nominal (design) power, consumed by the compressor, MW	17.727
Gas temperature at the compressor inlet, design, K (°C)	322.6 (+49.4)
Gas temperature rise in the compressor in nominal mode, (design), °C	106.13
Gas deviation factor under compressor inlet conditions	0.959

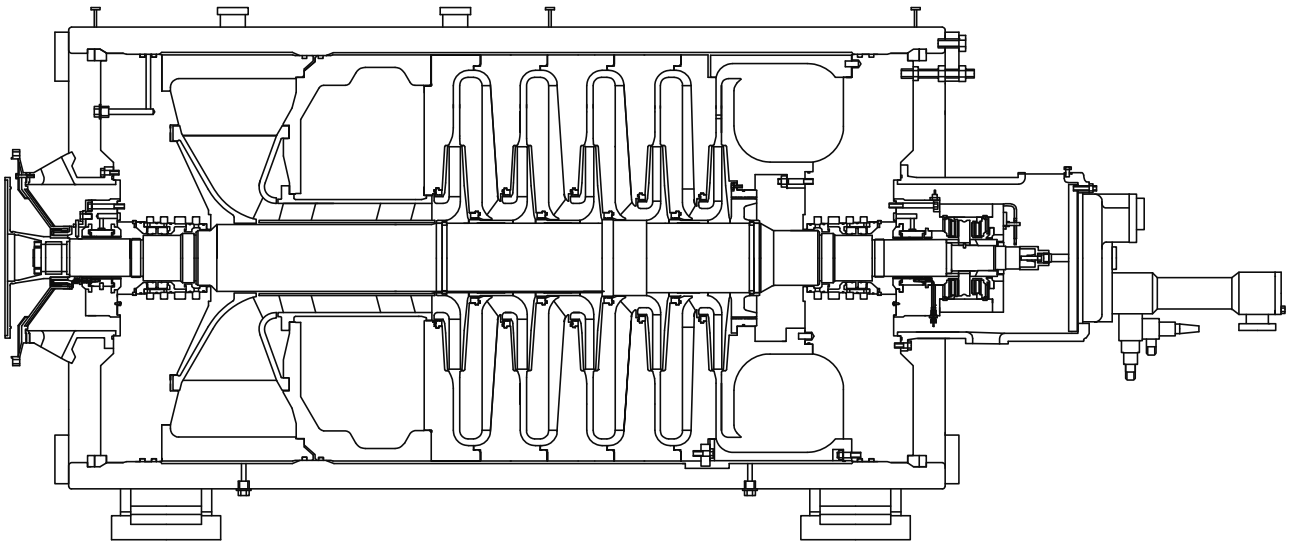
Dimensional characteristics of centrifugal compressor 245GC2-200/33-95M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*93.5*
Suction temperature, °C	*49.4*
*Gas constant, J/(kg*deg)*	*489.4*

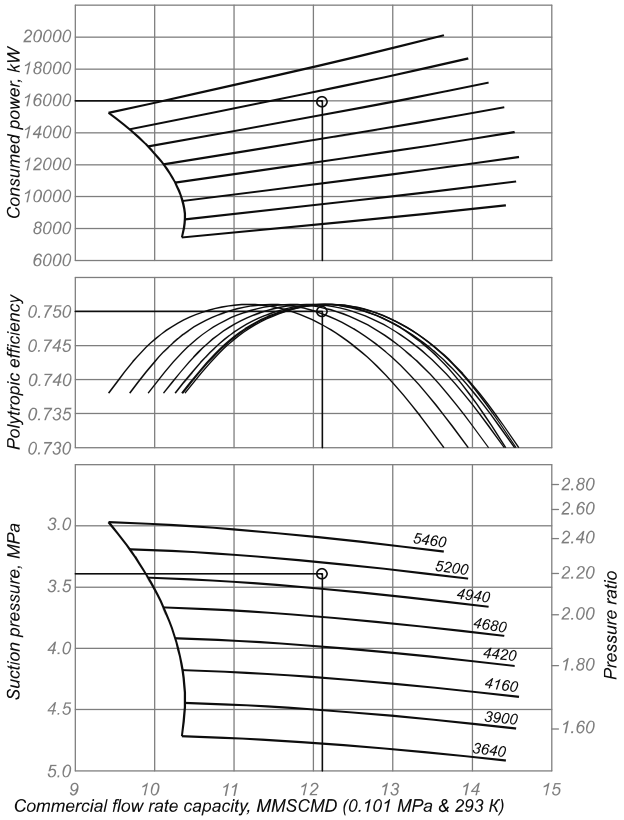
Centrifugal Compressor 295GC2-230/35-76



Basic technical parameters of centrifugal compressor 295GC2-230/35-76

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	140.16 (12.11)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.85 (231)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.385 (34.55)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.456 (76.00)
Pressure ratio (design)	2.2
Polytropic compressor efficiency, %, min	75
Compressor rotor rotation speed, design, s^{-1} (rpm)	84.8 (5090)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	91 ÷ 60.67 (5460 ÷ 3640)
Nominal (design) power, consumed by the compressor, MW	16
Gas temperature at the compressor inlet, design, K (°C)	288.1 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	78.4
Gas deviation factor under compressor inlet conditions	0.93

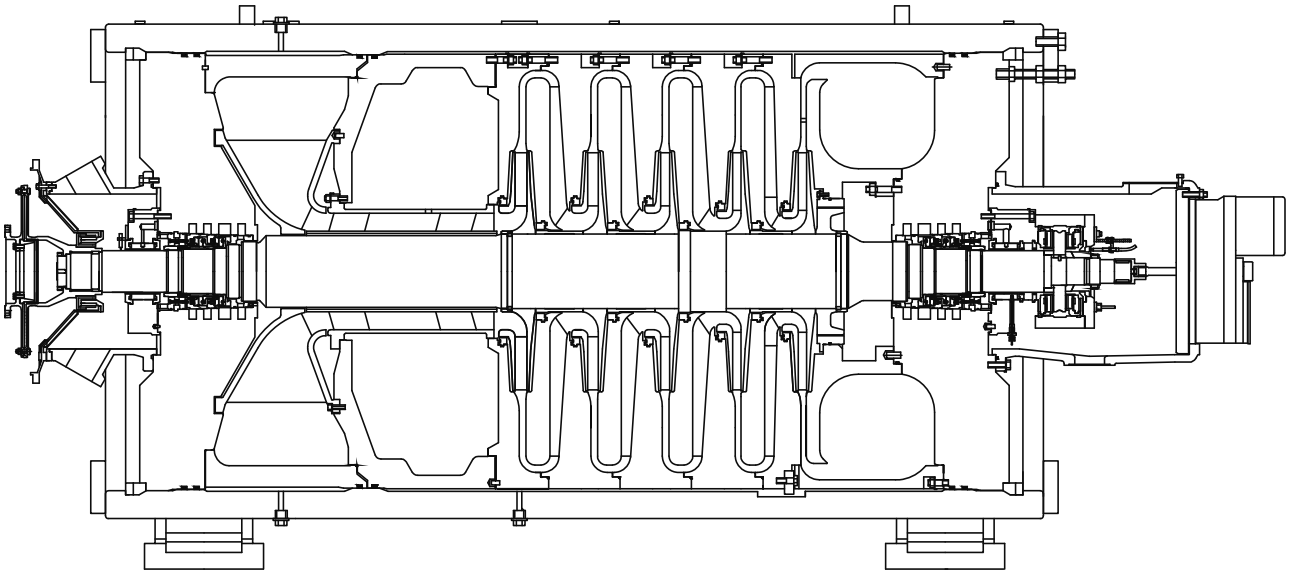
Dimensional characteristics of centrifugal compressor 295GC2-230/35-76



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.45*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*506.8*

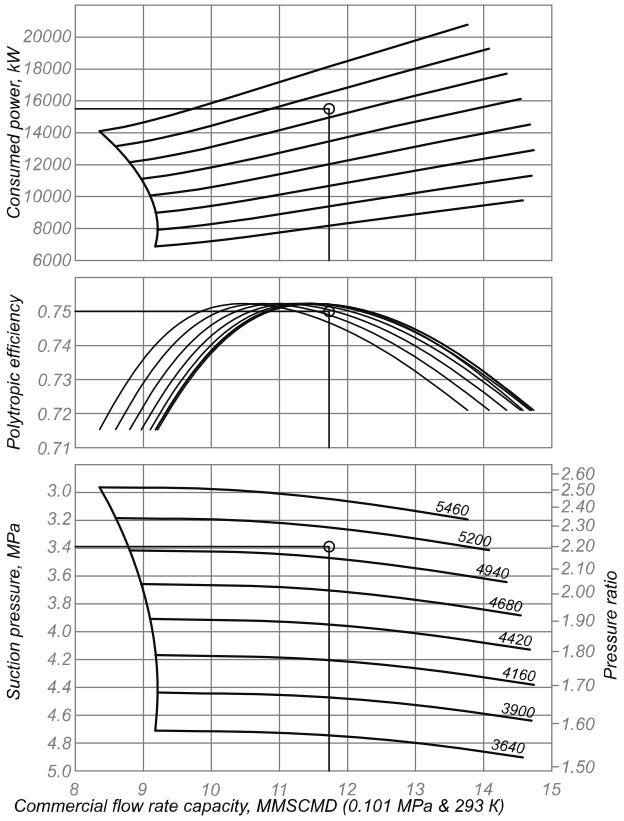
Centrifugal Compressor 295GC2-215/35-76M1



Basic technical parameters of centrifugal compressor 295GC2-215/35-76M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	135.76 (11.73)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.66 (219.4)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.389 (34.55)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.45 (76.00)
Pressure ratio (design)	2.2
Polytropic compressor efficiency, %, min	75
Compressor rotor rotation speed, design, s^{-1} (rpm)	84.17 (5050)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	91 ÷ 60.67 (5460 ÷ 3640)
Nominal (design) power, consumed by the compressor, MW	15.2
Gas temperature at the compressor inlet, design, K (°C)	288.0 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	77.6
Gas deviation factor under compressor inlet conditions	0.93

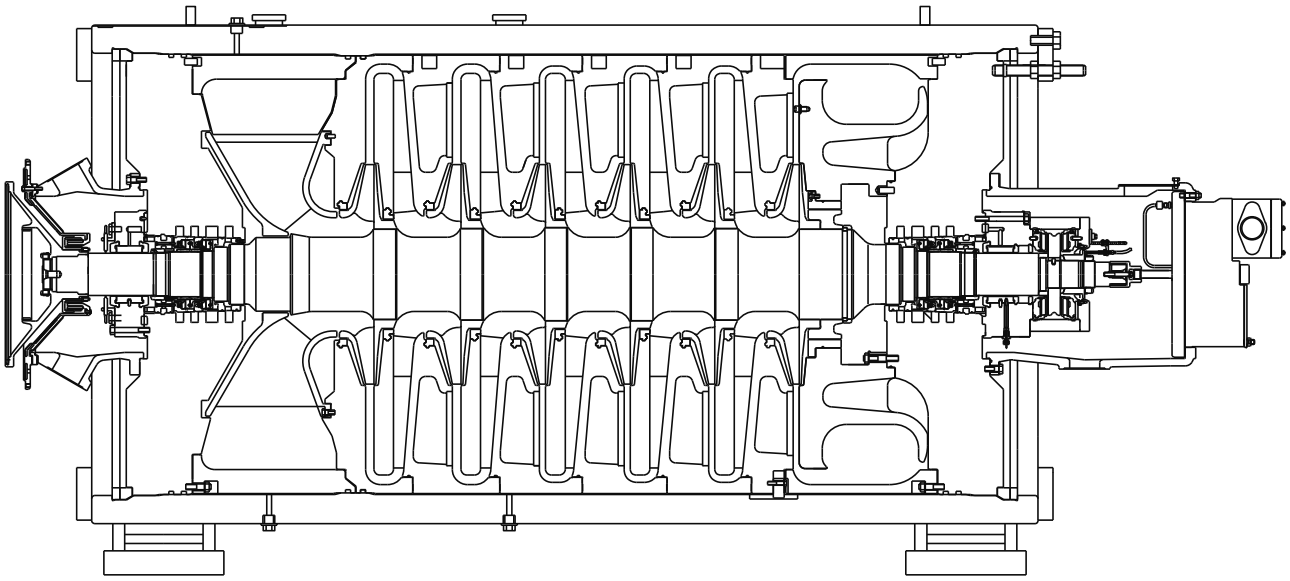
Dimensional characteristics of centrifugal compressor 295GC2-215/35-76M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.46*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*509.1*

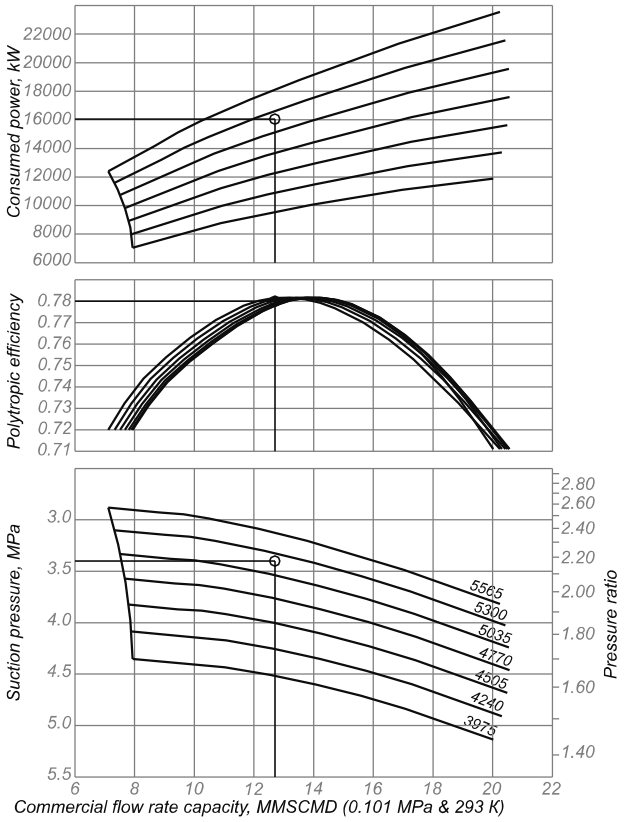
Centrifugal Compressor 295GC2-245/35-75M1



Basic technical parameters of the winter mode of centrifugal compressor 295GC2-245/35-75M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	147 (12.7)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	4.11 (246.51)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.4 (34.69)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.4 (75.51)
Pressure ratio (design)	2.176
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	86.66 (5200)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	92.8 ÷ 66.25 (5565 ÷ 3975)
Nominal (design) power, consumed by the compressor, MW	16.051
Gas temperature at the compressor inlet, design, K (°C)	295.15 (+22)
Gas temperature rise in the compressor in nominal mode, (design), °C	73.3
Gas deviation factor under compressor inlet conditions	0.93

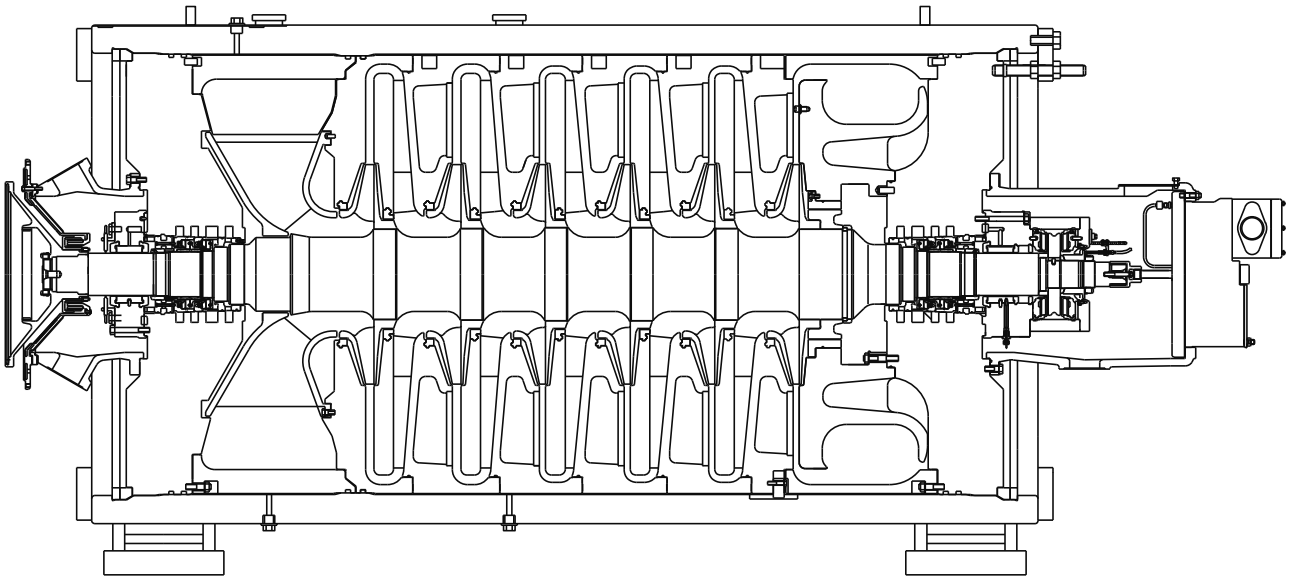
Dimensional characteristics of the winter mode of centrifugal compressor 295GC2-245/35-75M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.4*
Suction temperature, °C	*22.0*
*Gas constant, J/(kg*deg)*	*473.3*

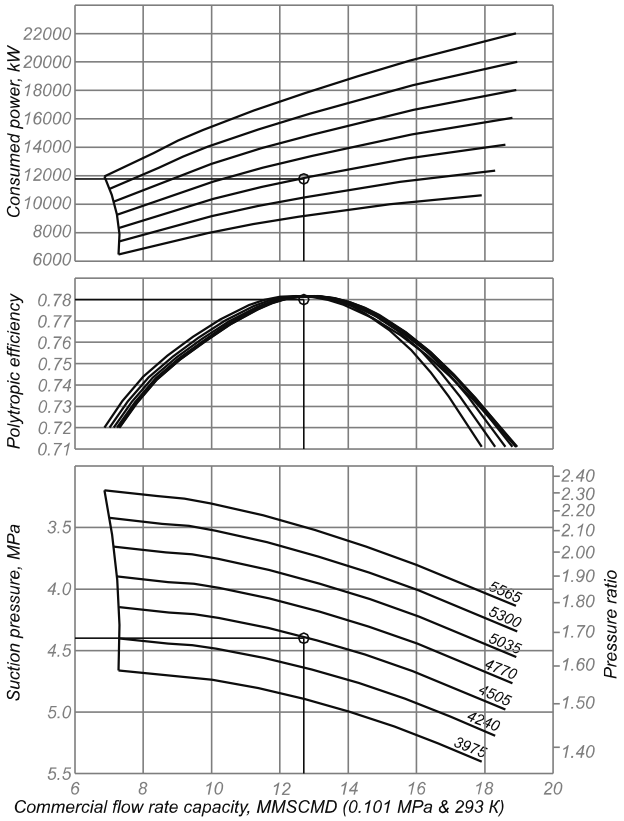
Centrifugal Compressor 295GC2-245/35-75M1



Basic technical parameters of the summer mode of centrifugal compressor 295GC2-245/35-75M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	147 (12.7)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.64 (218.39)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	4.4 (44.9)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.4 (75.51)
Pressure ratio (design)	1.681
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	75.08 (4505)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	92.8 ÷ 66.25 (5565 ÷ 3975)
Nominal (design) power, consumed by the compressor, MW	11.785
Gas temperature at the compressor inlet, design, K (°C)	333.15 (+60)
Gas temperature rise in the compressor in nominal mode, (design), °C	51.3
Gas deviation factor under compressor inlet conditions	0.945

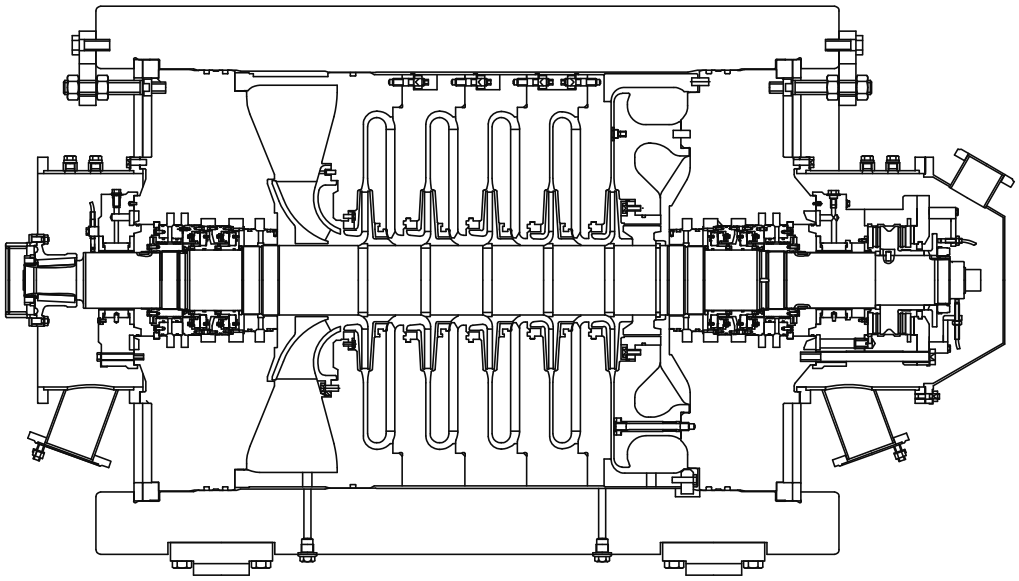
Dimensional characteristics of the summer mode of centrifugal compressor 295GC2-245/35-75M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.4*
Suction temperature, °C	*60.0*
*Gas constant, J/(kg*deg)*	*473.3*

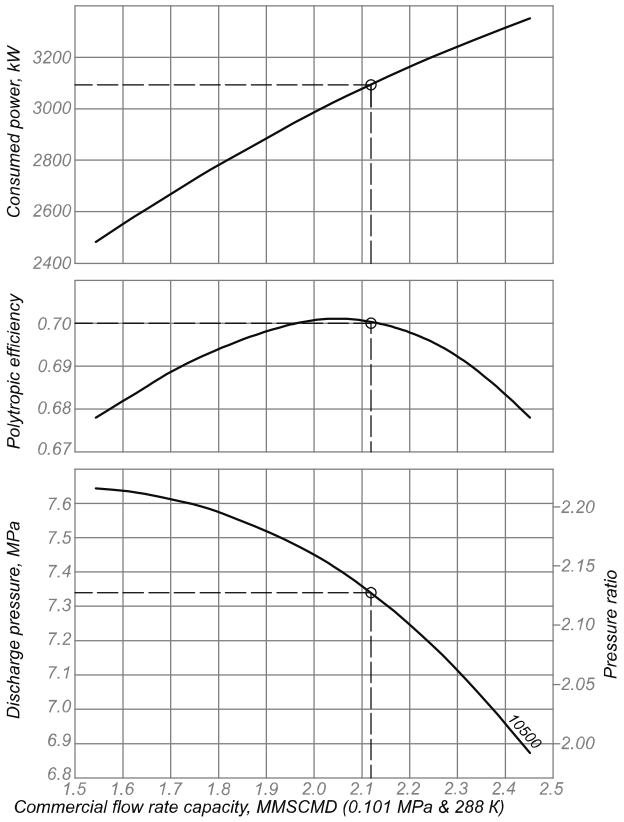
Centrifugal Compressor 184GC2-41/35-75M124



Basic technical parameters of centrifugal compressor 184GC2-41/35-75M124

Parameter	Value
Flow rate capacity, corrected for temperature 288 K (+15°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	24.525 (2.119)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	0.685 (41.11)
Flow rate capacity by mass, kg/h (kg/s)	72 968 (20.269)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.45 (35.2)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.34 (74.8)
Pressure ratio (design)	2.128
Polytropic compressor efficiency, %, min	70
Compressor rotor rotation speed, design, s^{-1} (rpm)	175 (10500)
Nominal (design) power, consumed by the compressor, MW	3.093
Gas temperature at the compressor inlet, design, K (°C)	296.7 (+23.6)
Gas temperature rise in the compressor in nominal mode, (design), °C	75
Gas deviation factor under compressor inlet conditions	0.921

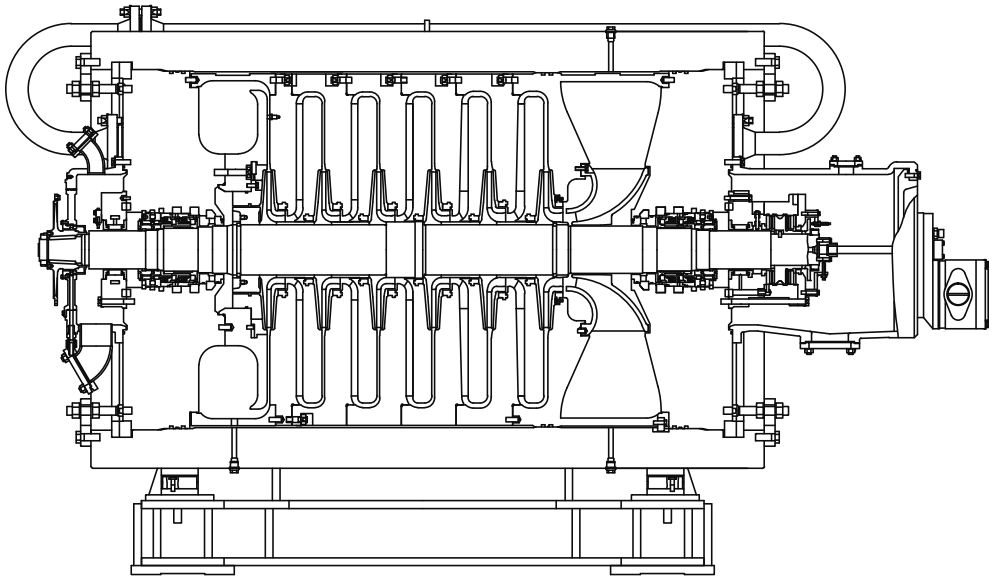
Dimensional characteristics of centrifugal compressor 184GC2-41/35-75M124



The characteristics are designed for the following conditions:

Suction pressure, MPa	*3.45*
Suction temperature, °C	*23.6*
*Gas constant, J/(kg*deg)*	*426.5*

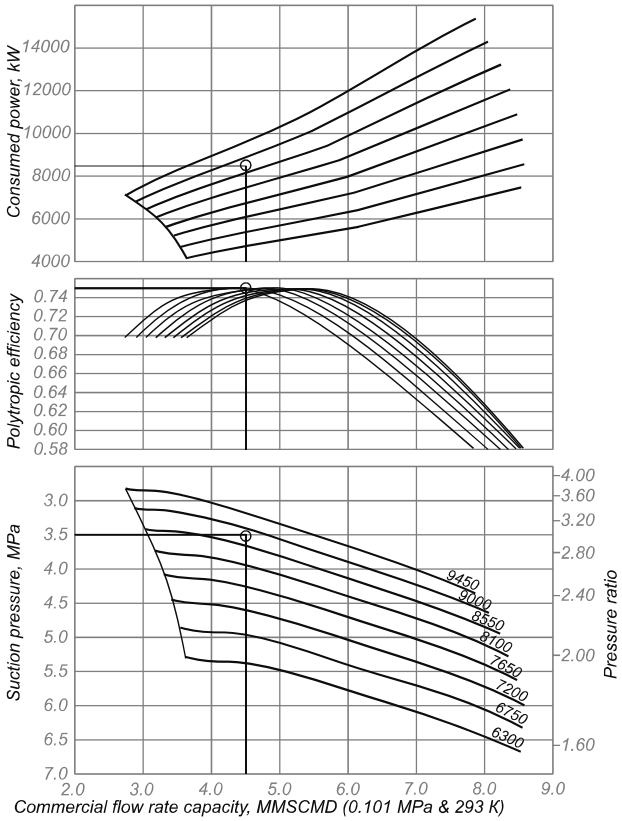
Centrifugal Compressor 245GC2-80/35-105M15



Basic technical parameters of centrifugal compressor 245GC2-80/35-105M15

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	52.1 (4.5)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.36 (81.55)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.5 (35.7)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	10.5 (107.1)
Pressure ratio (design)	3.0
Polytropic compressor efficiency, %, min	75
Compressor rotor rotation speed, design, s^{-1} (rpm)	146.7 (8800)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	157.5 ÷ 105 (9450 ÷ 6300)
Nominal (design) power, consumed by the compressor, MW	8.55
Gas temperature at the compressor inlet, design, K (°C)	288 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	107

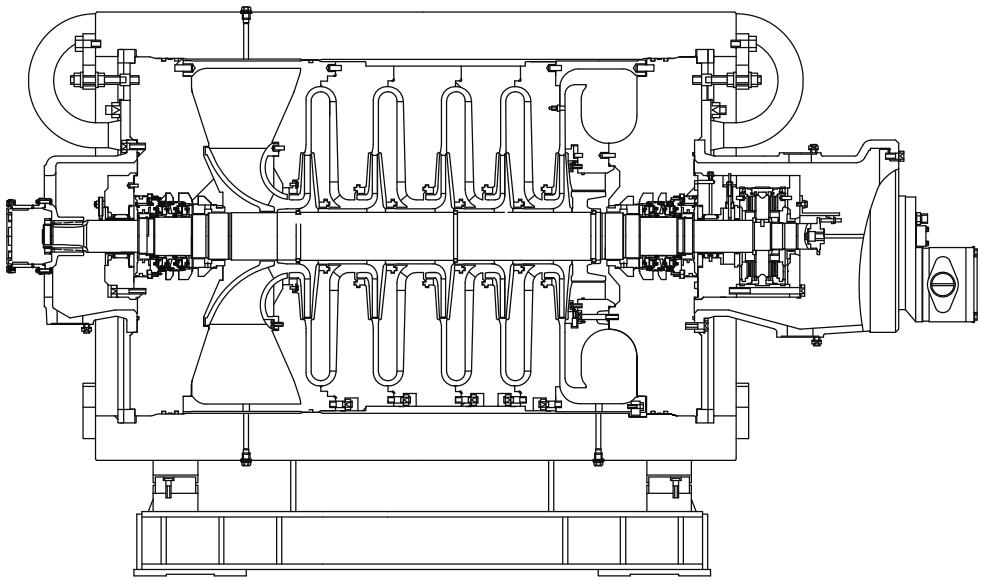
Dimensional characteristics of centrifugal compressor 245GC2-80/35-105M15



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*10.51*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*473.2*

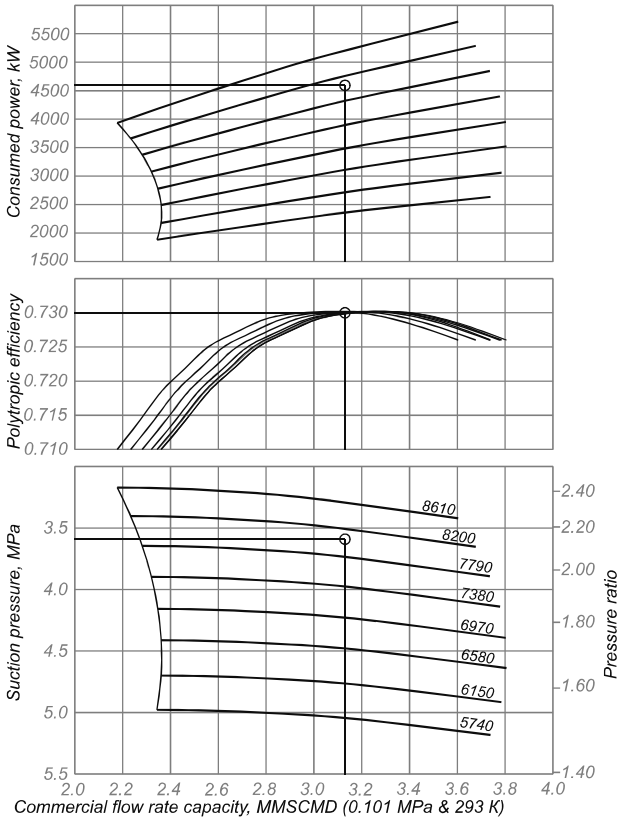
Centrifugal Compressor 224GC2-73/37-76M12



Basic technical parameters of centrifugal compressor 224GC2-73/37-76M12

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	36.23 (3.13)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.067 (64.0)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.591 (36.6)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.681 (78.3)
Pressure ratio (design)	2.139
Polytropic compressor efficiency, %, min	73
Compressor rotor rotation speed, design, s^{-1} (rpm)	133.93 (8036)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	143.5 ÷ 95.67 (8610 ÷ 5740)
Nominal (design) power, consumed by the compressor, MW	4.594
Gas temperature at the compressor inlet, design, K (°C)	323.15 (+50)
Gas temperature rise in the compressor in nominal mode, (design), °C	78.6
Gas deviation factor under compressor inlet conditions	0.944

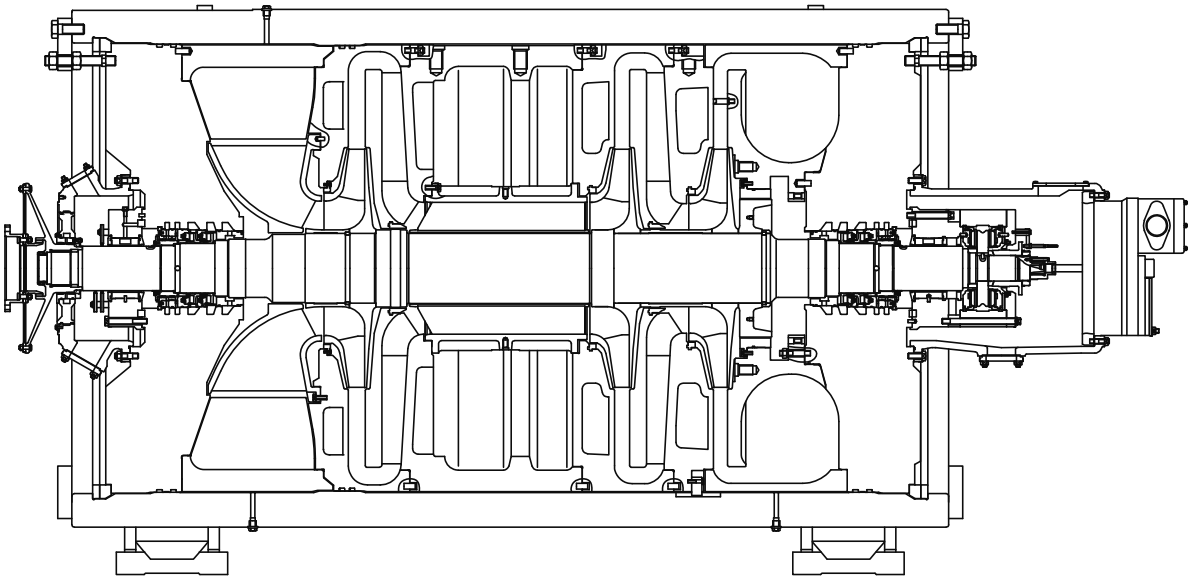
Dimensional characteristics of centrifugal compressor 224GC2-73/37-76M12



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.68*
Suction temperature, K	*323.1*
*Gas constant, J/(kg*deg)*	*442.3*

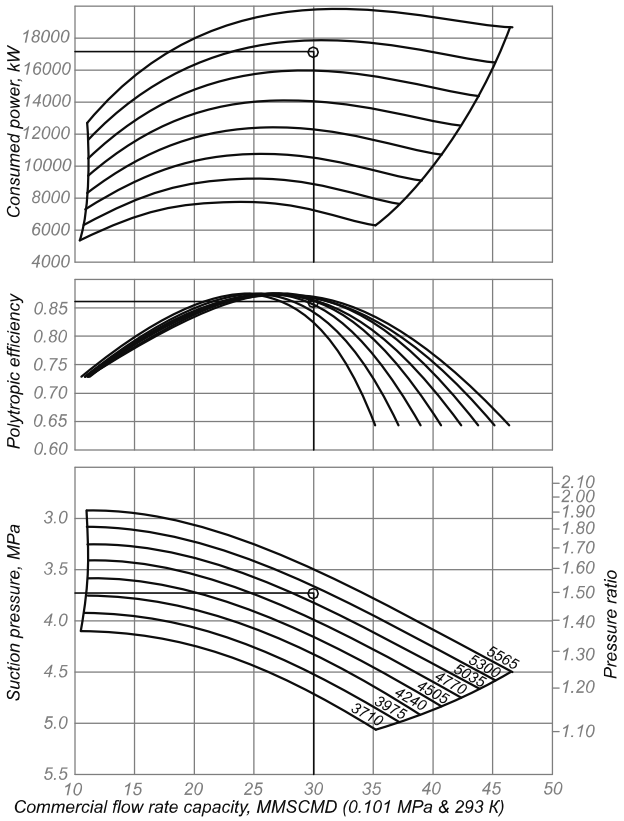
Centrifugal Compressor 324GC2-540/38-57M1



Basic technical parameters of centrifugal compressor 324GC2-540/38-57M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	346.06 (29.9)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	8.99 (539.3)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.73 (38)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	5.59 (57)
Pressure ratio (design)	1.5
Polytropic compressor efficiency, %, min	86
Compressor rotor rotation speed, design, s^{-1} (rpm)	86.7 (5200)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	92.8 ÷ 61.8 (5565 ÷ 3710)
Nominal (design) power, consumed by the compressor, MW	17.1
Gas temperature at the compressor inlet, design, K (°C)	298.2 (+25)
Gas temperature rise in the compressor in nominal mode, (design), °C	35
Gas deviation factor under compressor inlet conditions	0.937

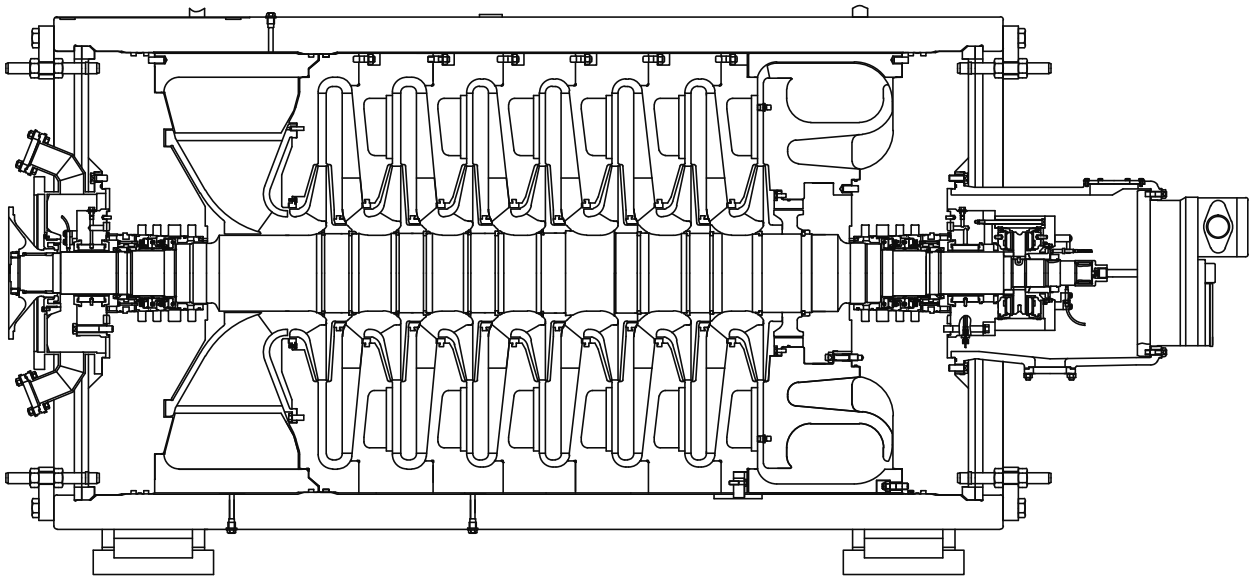
Dimensional characteristics of centrifugal compressor 324GC2-540/38-57M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*5.59*
Suction temperature, °C	*25.0*
*Gas constant, J/(kg*deg)*	*509.4*

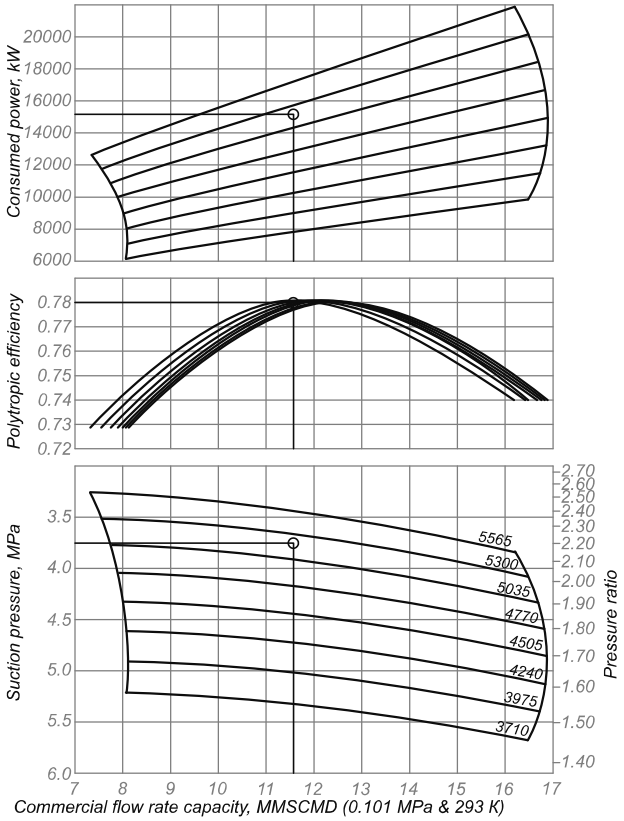
Centrifugal Compressor 295GC2-205/38-85M1



Basic technical parameters of centrifugal compressor 295GC2-205/38-85M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	133.84 (11.564)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.45 (207.17)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.75 (38.2)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	8.25 (84.1)
Pressure ratio (design)	2.2
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	86.7 (5200)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	92.8 ÷ 61.8 (5565 ÷ 3710)
Nominal (design) power, consumed by the compressor, MW	15.2
Gas temperature at the compressor inlet, design, K (°C)	298.1 (+25)
Gas temperature rise in the compressor in nominal mode, (design), °C	77.7
Gas deviation factor under compressor inlet conditions	0.937

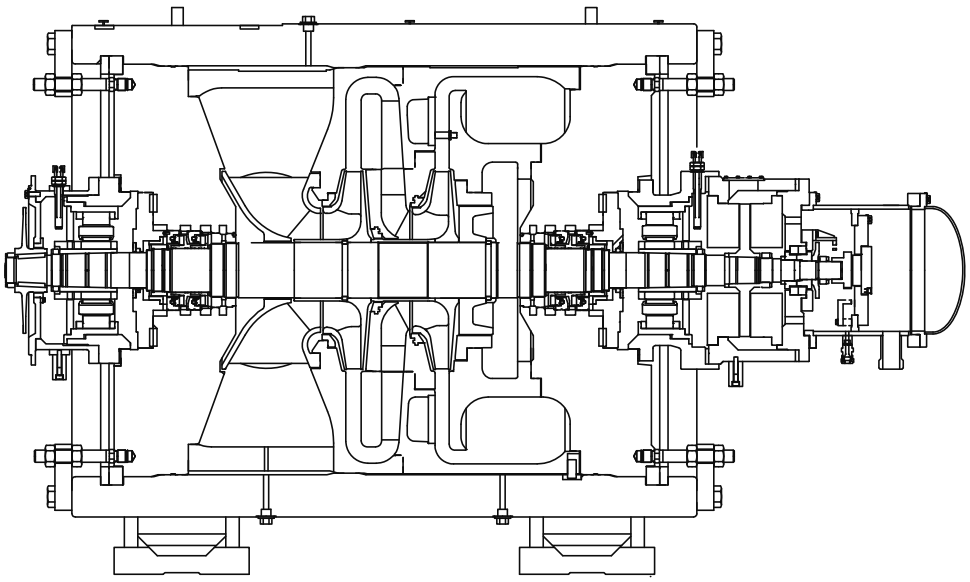
Dimensional characteristics of centrifugal compressor 295GC2-205/38-85M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*8.25*
Suction temperature, °C	*25.0*
*Gas constant, J/(kg*deg)*	*514.1*

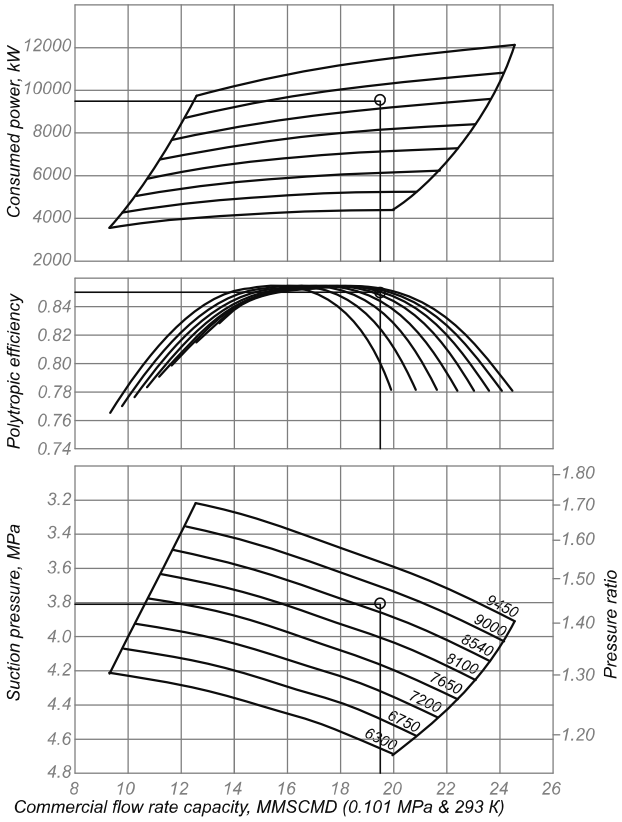
Centrifugal Compressor 241GC2-330/39-56M



Basic technical parameters of centrifugal compressor 241GC2-330/39-56M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	225,7 (19,5)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	5,45 (326,68)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3,81 (38,85)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	5,49 (56)
Pressure ratio (design)	1,44
Polytropic compressor efficiency, %, min	85
Compressor rotor rotation speed, design, s^{-1} (rpm)	145,5 (8730)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	105 ÷ 157,5 (6300 ÷ 9450)
Nominal (design) power, consumed by the compressor, MW	9,5
Gas temperature at the compressor inlet, design, K (°C)	288,15 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	31
Gas deviation factor under compressor inlet conditions	0,922

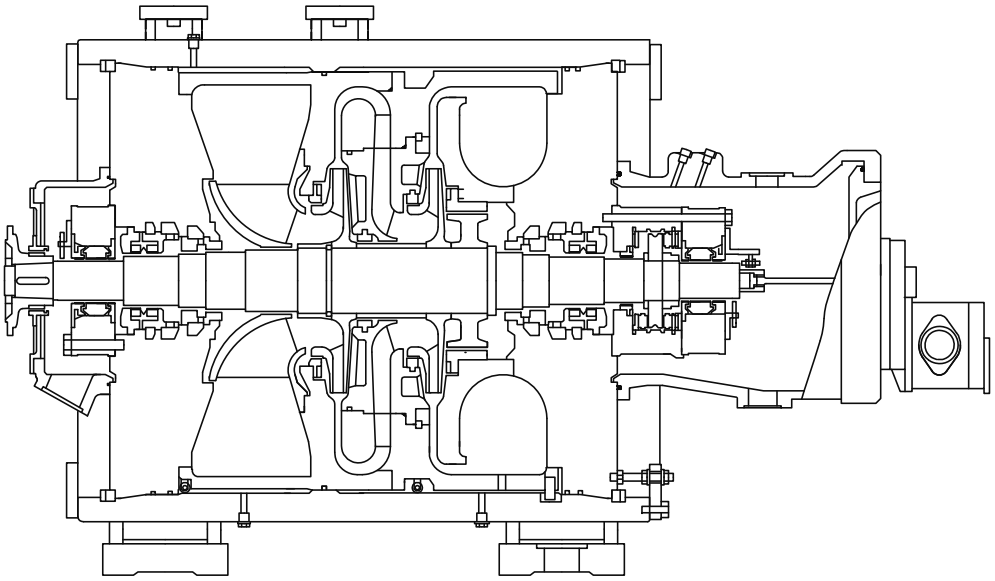
Dimensional characteristics of centrifugal compressor 241GC2-330/39-56M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*5.49*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*497.0*

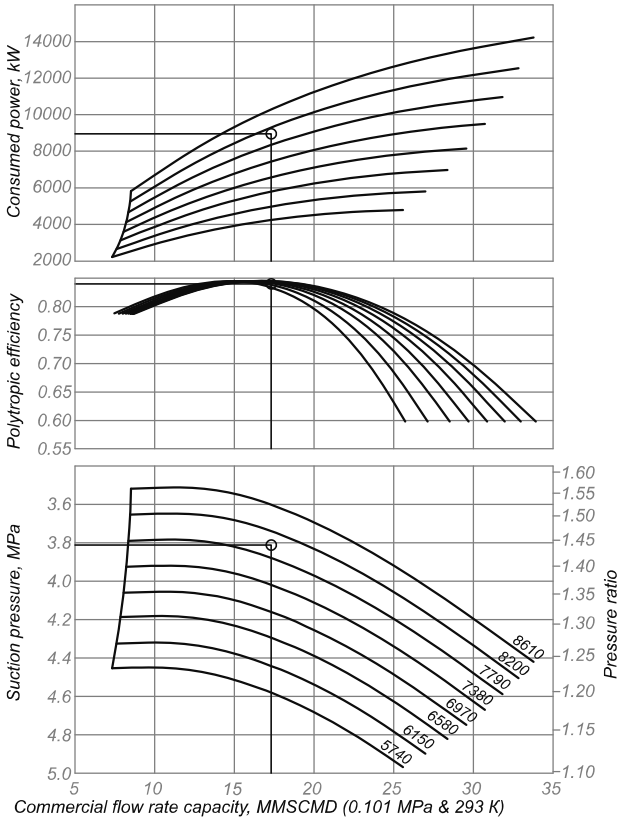
Centrifugal Compressor 201GC2-290/39-56



Basic technical parameters of centrifugal compressor 201GC2-290/39-56

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	200.509 (17.324)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	4.853 (291.19)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.812 (38.87)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	5.490 (55.98)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	84
Compressor rotor rotation speed, design, s^{-1} (rpm)	133.93 (8036)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	95.67 ÷ 143.5 (5740 ÷ 8610)
Nominal (design) power, consumed by the compressor, MW	9.0
Gas temperature at the compressor inlet, design, K (°C)	288 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	32.42
Gas deviation factor under compressor inlet conditions	0.925

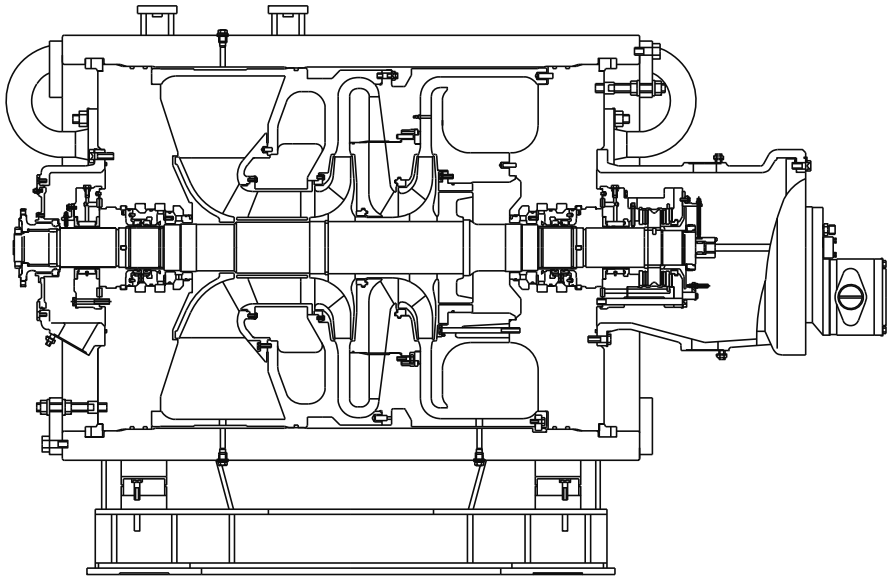
Dimensional characteristics of centrifugal compressor 201GC2-290/39-56



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*5.49*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*508.6*

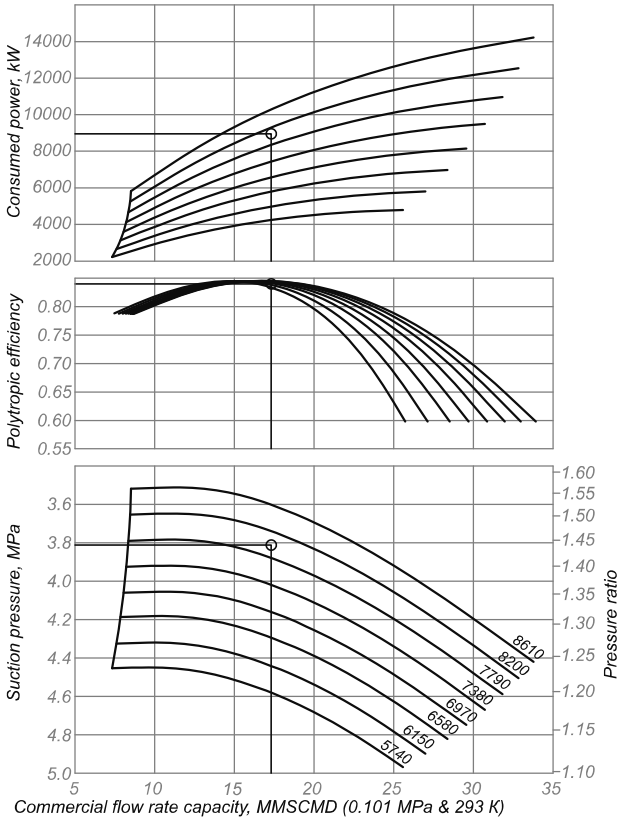
Centrifugal Compressor 222GC2-290/39-56



Basic technical parameters of centrifugal compressor 222GC2-290/39-56

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	200.509 (17.324)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	4.853 (291.19)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.812 (38.87)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	5.490 (55.98)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	84
Compressor rotor rotation speed, design, s^{-1} (rpm)	133.93 (8036)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	95.7 ÷ 143.5 (5740 ÷ 8610)
Nominal (design) power, consumed by the compressor, MW	9.0
Gas temperature at the compressor inlet, design, K (°C)	288 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	32.42
Gas deviation factor under compressor inlet conditions	0.925

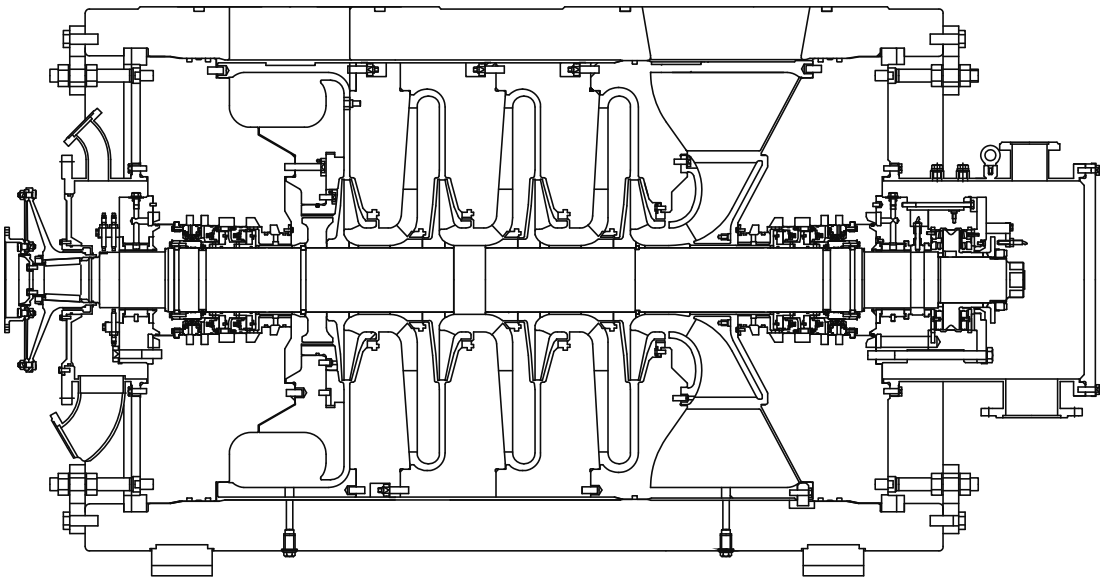
Dimensional characteristics of centrifugal compressor 222GC2-290/39-56



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*5.49*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*508.6*

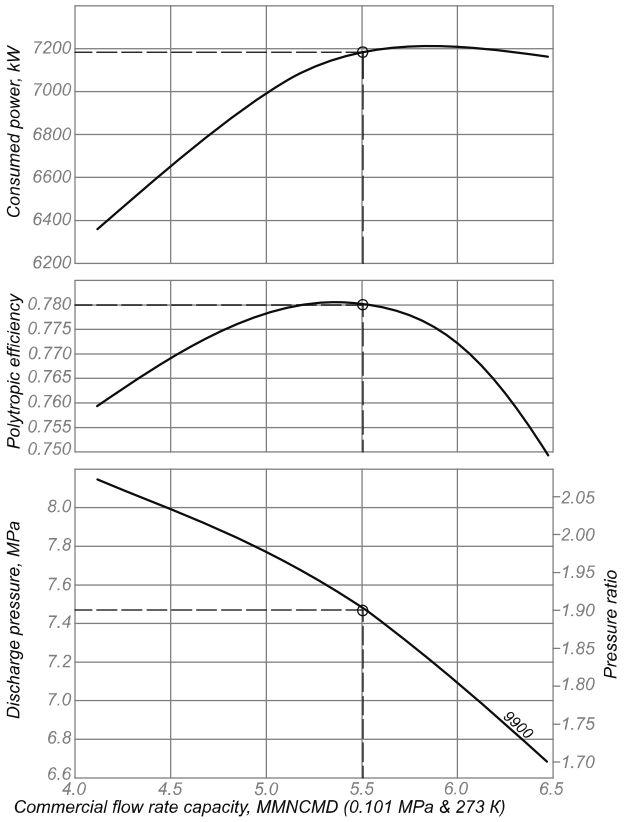
Centrifugal Compressor 202GC2-115/40-75M12345



Basic technical parameters of centrifugal compressor 202GC2-115/40-75M12345

Parameter	Value
Flow rate capacity, corrected for temperature 273 K (+0°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	63.74 (5.507)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.918 (115.07)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	3.93 (40.6)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.47 (76.15)
Pressure ratio (design)	1.901
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s^{-1} (rpm)	165 (9900)
Nominal (design) power, consumed by the compressor, MW	7.185
Gas temperature at the compressor inlet, design, K (°C)	335.1 (+62)
Gas temperature rise in the compressor in nominal mode, (design), °C	63.5
Gas deviation factor under compressor inlet conditions	0.948

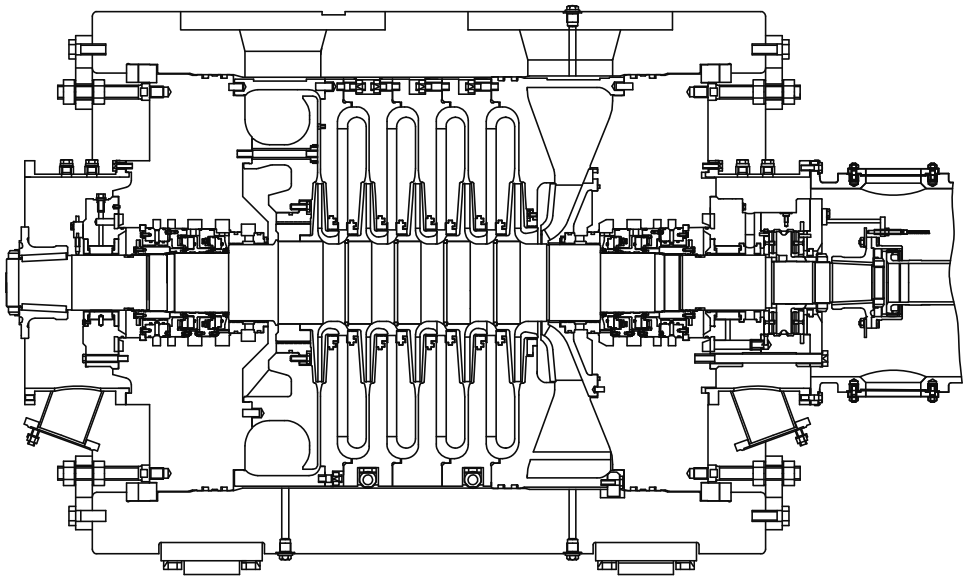
Dimensional characteristics of centrifugal compressor 202GC2-115/40-75M12345



The characteristics are designed for the following conditions:

Suction pressure, MPa	*3.93*
Suction temperature, °C	*62.0*
*Gas constant, J/(kg*deg)*	*475.9*

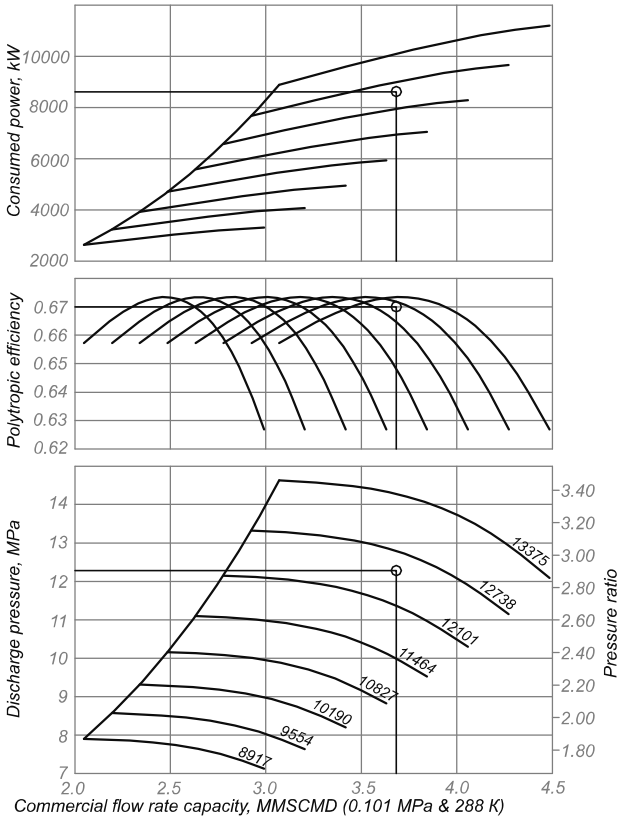
Centrifugal Compressor 184GC2-60/43-125M1256



Basic technical parameters of centrifugal compressor 184GC2-60/43-125M1256

Parameter	Value
Flow rate capacity, corrected for temperature 288 K (+15°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	42.627 (3.683)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.002 (60.11)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	4.228 (43.11)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	12.278 (125.20)
Pressure ratio (design)	2.904
Polytropic compressor efficiency, %, min	67.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	208.5 (12510)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	222.92 ÷ 148.62 (13375 ÷ 8917)
Nominal (design) power, consumed by the compressor, MW	8.622
Gas temperature at the compressor inlet, design, K (°C)	302.79 (+29.64)
Gas temperature rise in the compressor in nominal mode, (design), °C	124.1
Gas deviation factor under compressor inlet conditions	0.931

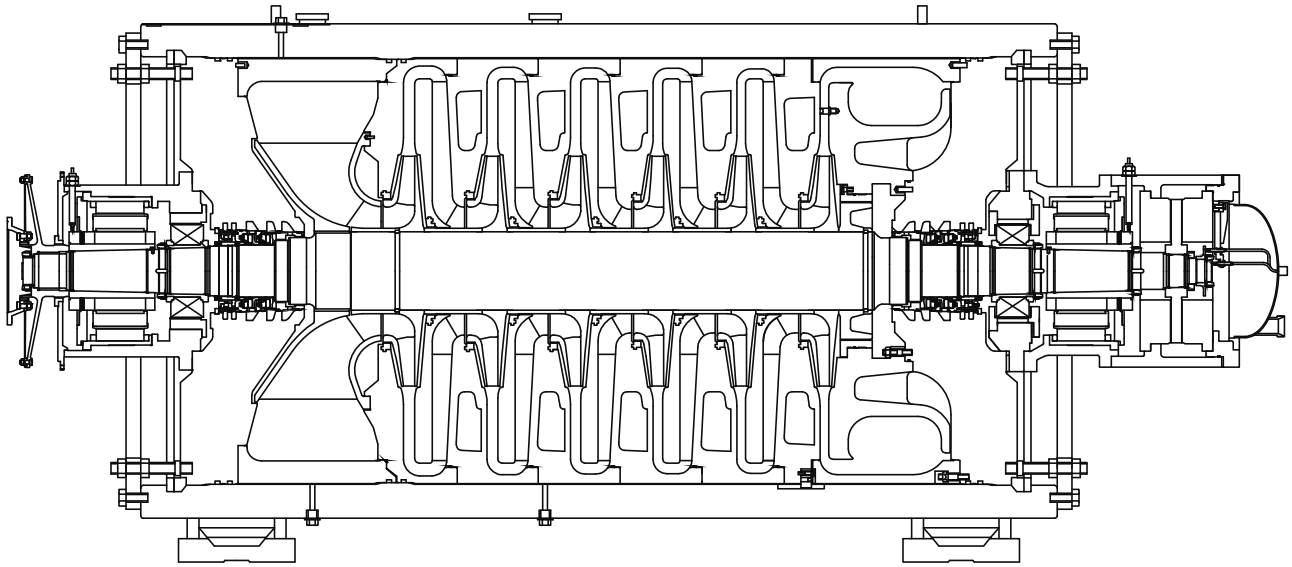
Dimensional characteristics of centrifugal compressor 184GC2-60/43-125M1256



The characteristics are designed for the following conditions:

Suction pressure, MPa	*4.228*
Suction temperature, °C	*29.64*
*Gas constant, J/(kg*deg)*	*482.9*

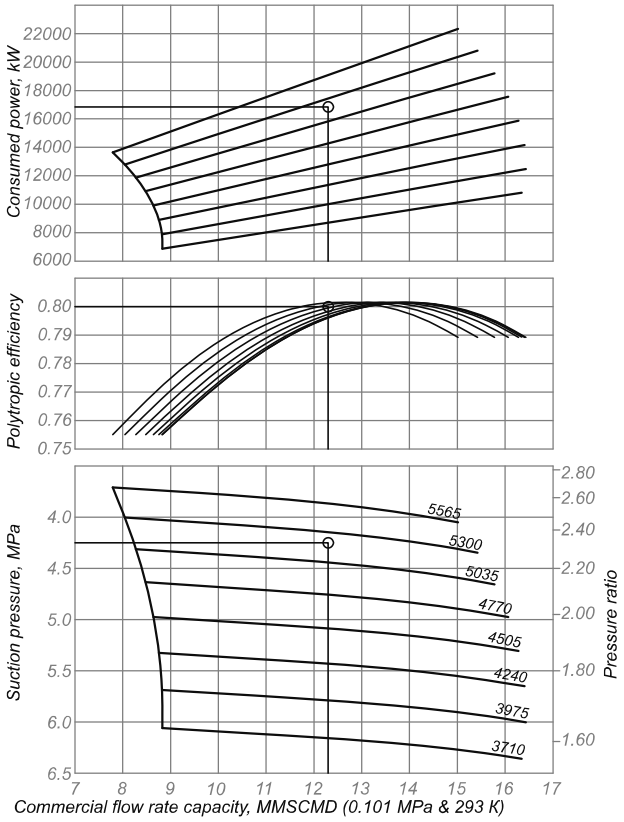
Centrifugal Compressor 295GC2-190/44-100M



Basic technical parameters of centrifugal compressor 295GC2-190/44-100M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	142.36 (12.3)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.201 (192.06)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	4.25 (43.3)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	9.90 (100.9)
Pressure ratio (design)	2.33
Polytropic compressor efficiency, %, min	80.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	86.67 (5200)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	91.0 ÷ 60.7 (5565 ÷ 3710)
Nominal (design) power, consumed by the compressor, MW	16.85
Gas temperature at the compressor inlet, design, K (°C)	297.5 (+24.5)
Gas temperature rise in the compressor in nominal mode, (design), °C	81.77
Gas deviation factor under compressor inlet conditions	0.928

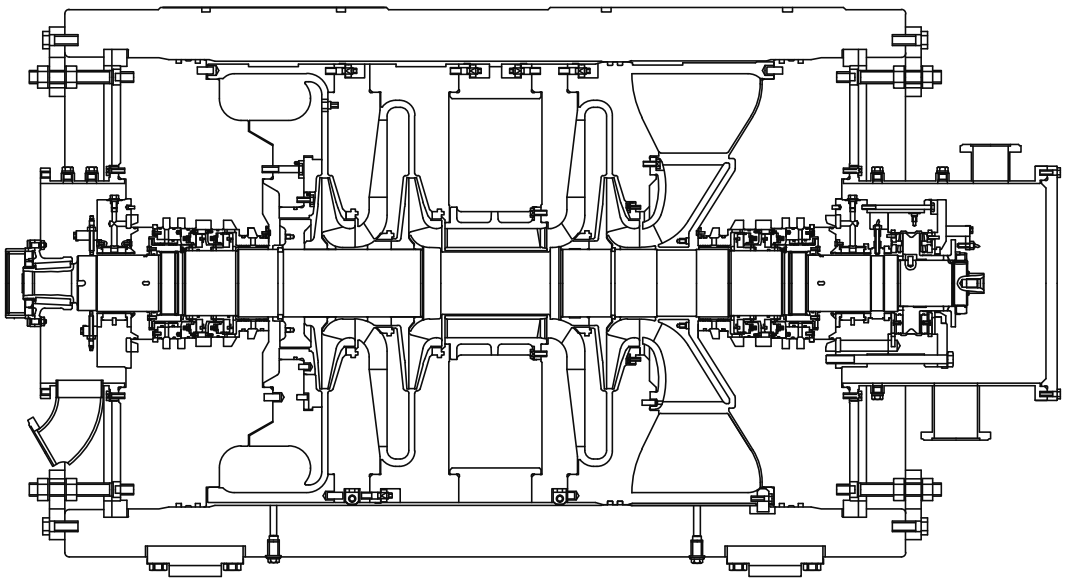
Dimensional characteristics of centrifugal compressor 295GC2-190/44-100M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*9.90*
Suction temperature, °C	*24.5*
*Gas constant, J/(kg*deg)*	*514.5*
End pressure, MPa	*9.90*
Starting temperature, °C	*24.5*
*Gas constant, J/(kg*deg)*	*514.5*

Centrifugal Compressor 204GC2-100/44-75M1245

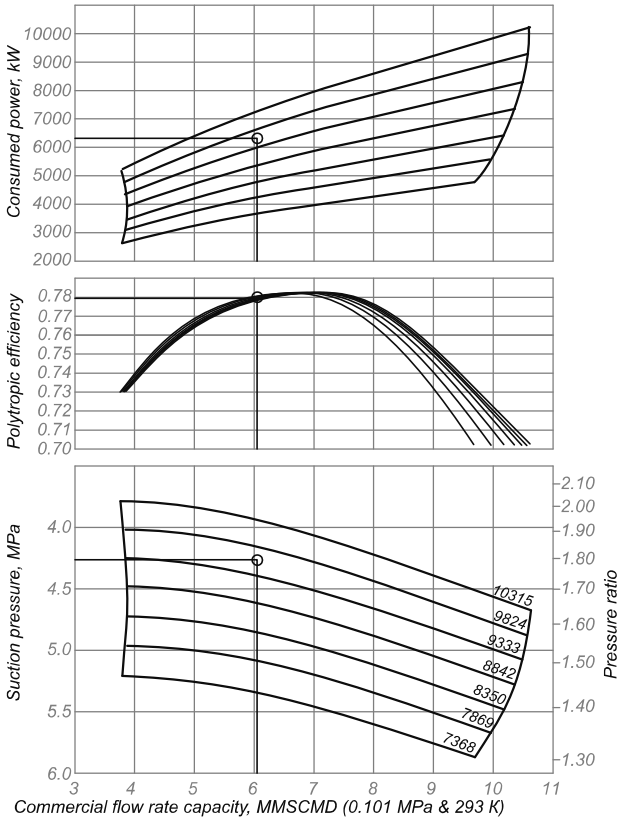


Gas, compressed by the centrifugal compressor, contains: hydrogen sulphide (H_2S) – 0.08% and carbon dioxid (CO_2) – 3.79%.

Basic technical parameters of centrifugal compressor 204GC2-100/44-75M1245

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm²), m³/s (MMCMD), min	70.2 (6.05)
Volumetric flow rate capacity, corrected for suction conditions, m³/s (m³/min), min	1.721 (103.28)
Suction pressure, absolute, MPa (kgf/cm²) nominal	4.26 (43.4)
Discharge pressure, absolute, MPa (kgf/cm²) nominal	7.65 (78)
Pressure ratio (design)	1.796
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, design, s⁻¹ (rpm)	160 (9600)
Range of changes of compressor rotor rotation speed, s⁻¹ (rpm)	171.9 ÷ 122.8 (10315 ÷ 7368)
Nominal (design) power, consumed by the compressor, MW	6.335
Gas temperature at the compressor inlet, design, K (°C)	323.1 (+50)
Gas temperature rise in the compressor in nominal mode, (design), °C	56.7
Gas deviation factor under compressor inlet conditions	0.935

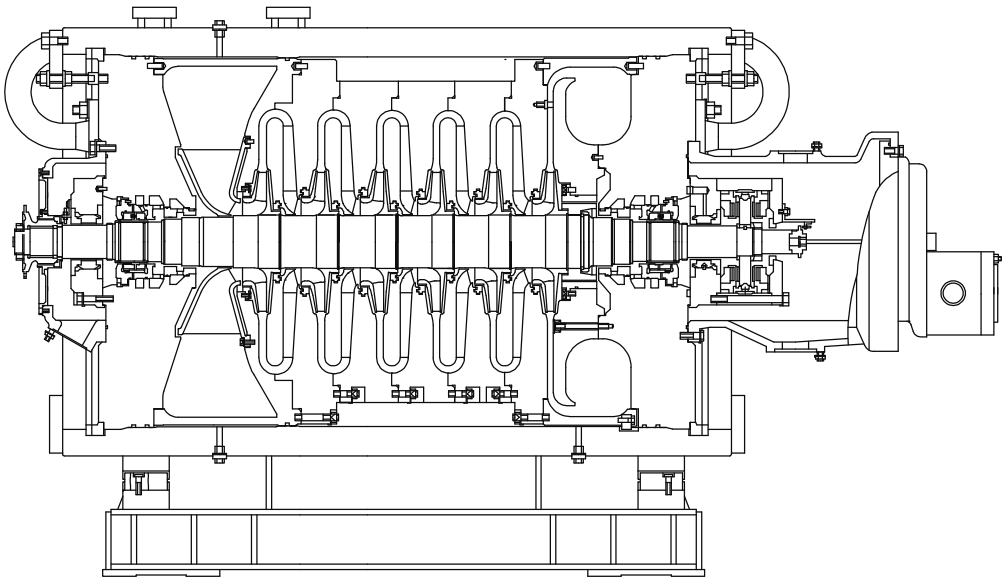
Dimensional characteristics of centrifugal compressor 204GC2-100/44-75M1245



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.65*
Suction temperature, °C	*50.0*
*Gas constant, J/(kg*deg)*	*449.6*

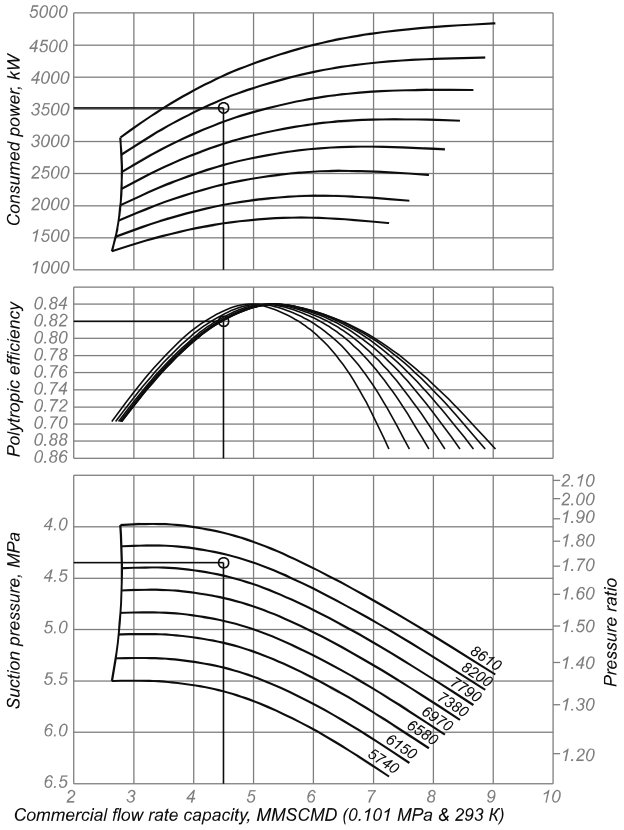
Centrifugal Compressor GC2-87/44.5-76



Basic technical parameters of centrifugal compressor GC2-87/44.5-76

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	52.08 (4.50)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	1.11 (66.73)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	4.35 (44.34)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.45 (76)
Pressure ratio (design)	1.713
Polytropic compressor efficiency, %, min	82
Compressor rotor rotation speed, design, s^{-1} (rpm)	133.9 (8036)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	143.50 ÷ 95.67 (8610 ÷ 5740)
Nominal (design) power, consumed by the compressor, MW	3.52
Gas temperature at the compressor inlet, design, K (°C)	293.0 (+20.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	48.0
Gas deviation factor under compressor inlet conditions	0.915

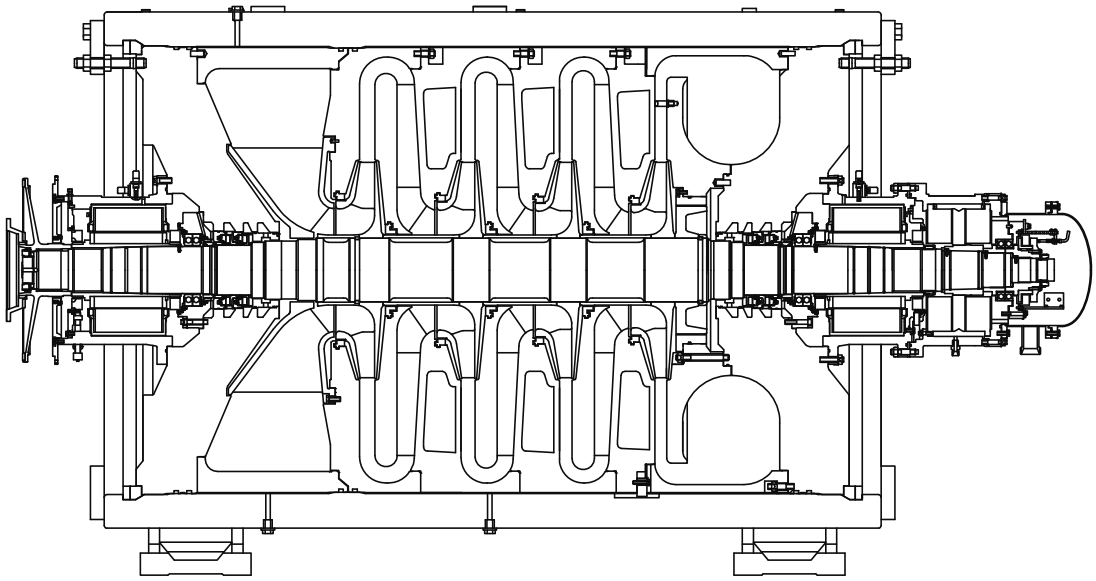
Dimensional characteristics of centrifugal compressor GC2-87/44,5-76



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.45*
Suction temperature, K	*293.0*
*Gas constant, J/(kg*deg)*	*499.4*

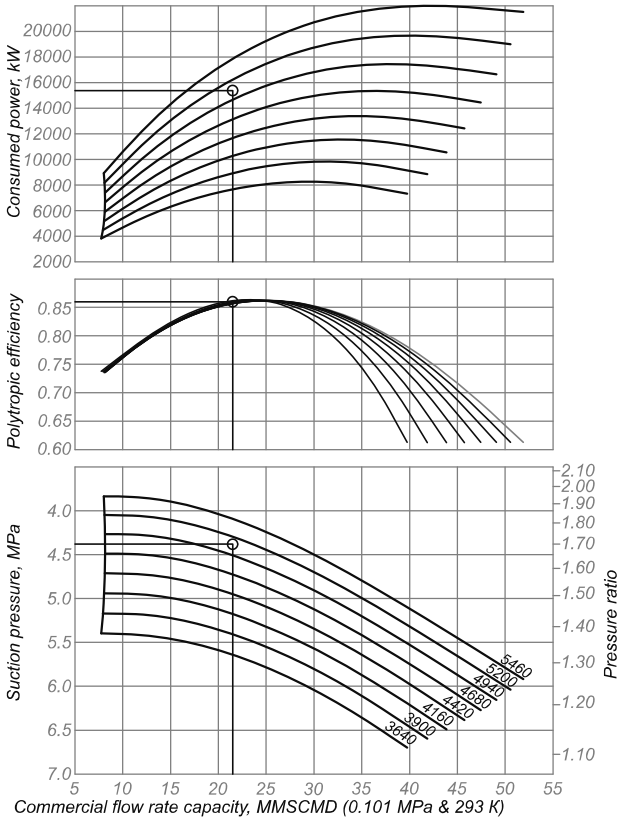
Centrifugal Compressor 323GC2-310/45-76M



Basic technical parameters of centrifugal compressor 323GC2-310/45-76M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	248.84 (21.5)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	5.19 (311.4)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	4.382 (44.7)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.45 (76)
Pressure ratio (design)	1.7
Polytropic compressor efficiency, %, min	86
Compressor rotor rotation speed, design, s^{-1} (rpm)	86.7 (5200)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	91 ÷ 60.67 (5460 ÷ 3640)
Nominal (design) power, consumed by the compressor, MW	15.37
Gas temperature at the compressor inlet, design, K (°C)	288 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	46
Gas deviation factor under compressor inlet conditions	0.916

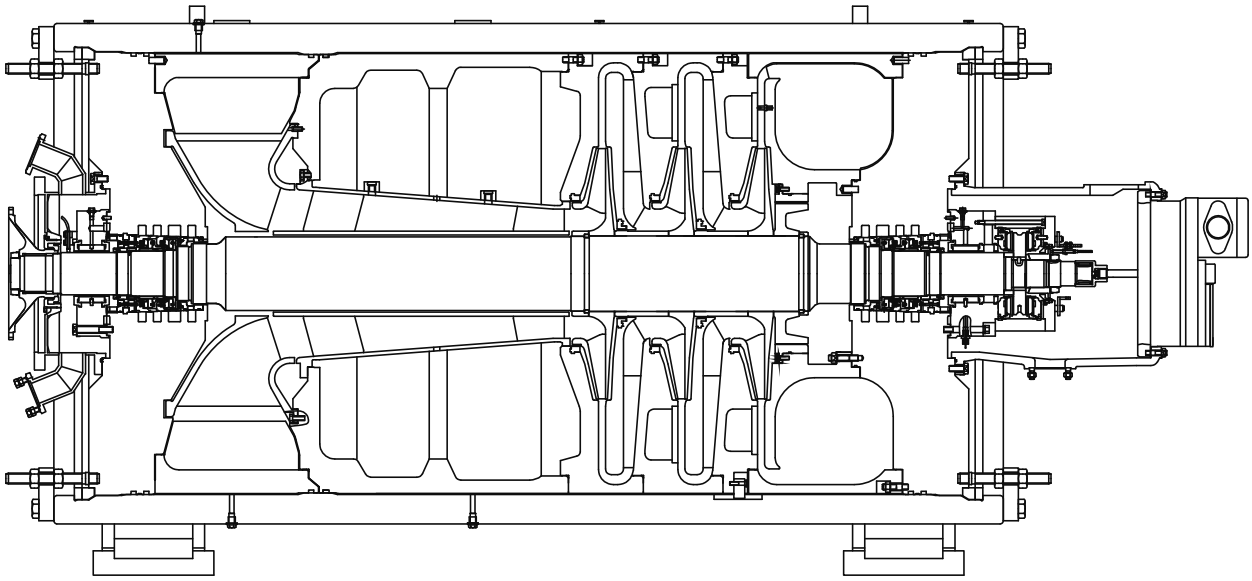
Dimensional characteristics of centrifugal compressor 323GC2-310/45-76M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.45*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*510.4*

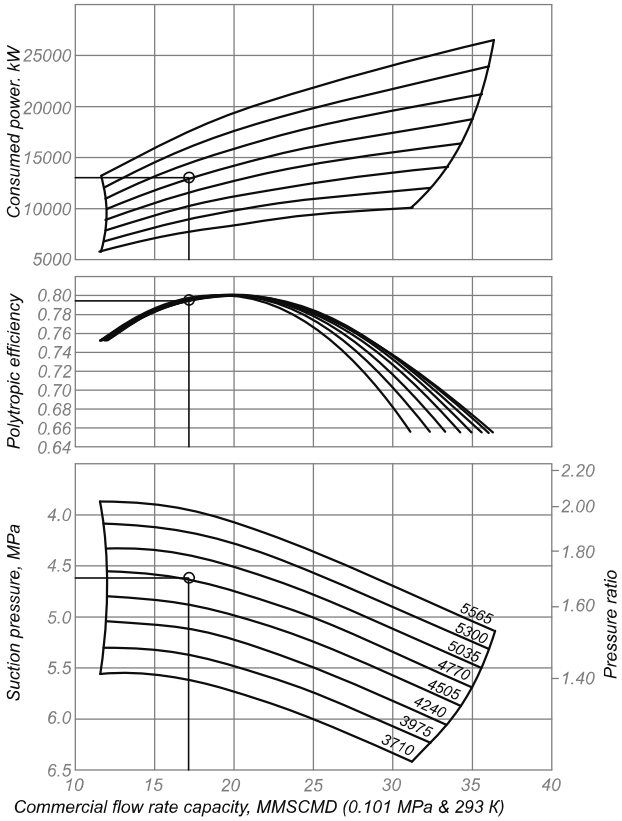
Centrifugal Compressor 295GC2-238/47-80M1



Basic technical parameters of centrifugal compressor 295GC2-238/47-80M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	198.38 (17.4)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	3.83 (229.8)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	4.61 (47.06)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.84 (80.00)
Pressure ratio (design)	1.7
Polytropic compressor efficiency, %, min	79
Compressor rotor rotation speed, design, s^{-1} (rpm)	79.5 (4770)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	92.75 ÷ 61.83 (5565 ÷ 3710)
Nominal (design) power, consumed by the compressor, MW	13.2
Gas temperature at the compressor inlet, design, K (°C)	288 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	47
Gas deviation factor under compressor inlet conditions	0.892

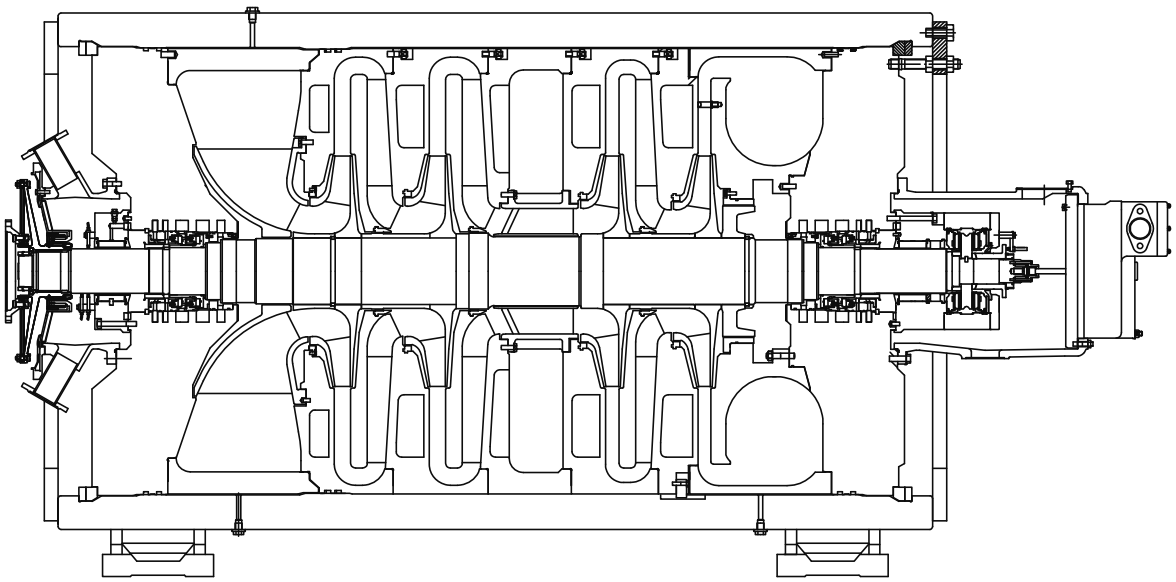
Dimensional characteristics of centrifugal compressor 295GC2-238/47-80M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.84*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*474.4*

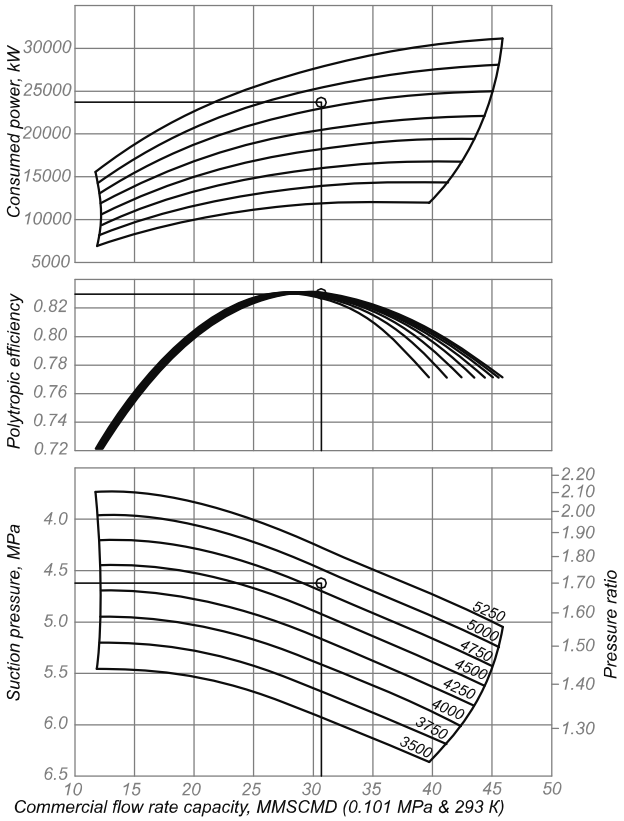
Centrifugal Compressor 324GC2-430/46-80M1



Basic technical parameters of centrifugal compressor 324GC2-430/46-80M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	355.07 (30.68)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	7.3 (437.98)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	4.62 (47.1)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.85 (80)
Pressure ratio (design)	1.7
Polytropic compressor efficiency, %, min	83
Compressor rotor rotation speed, design, s^{-1} (rpm)	80.8 (4850)
Range of changes of compressor rotor rotation speed. s^{-1} (rpm)	87.5 ÷ 58.3 (5250 ÷ 3500)
Nominal (design) power, consumed by the compressor, MW	23.75
Gas temperature at the compressor inlet, design, K (°C)	303.1 (+30)
Gas temperature rise in the compressor in nominal mode, (design), °C	45.9
Gas deviation factor under compressor inlet conditions	0.904

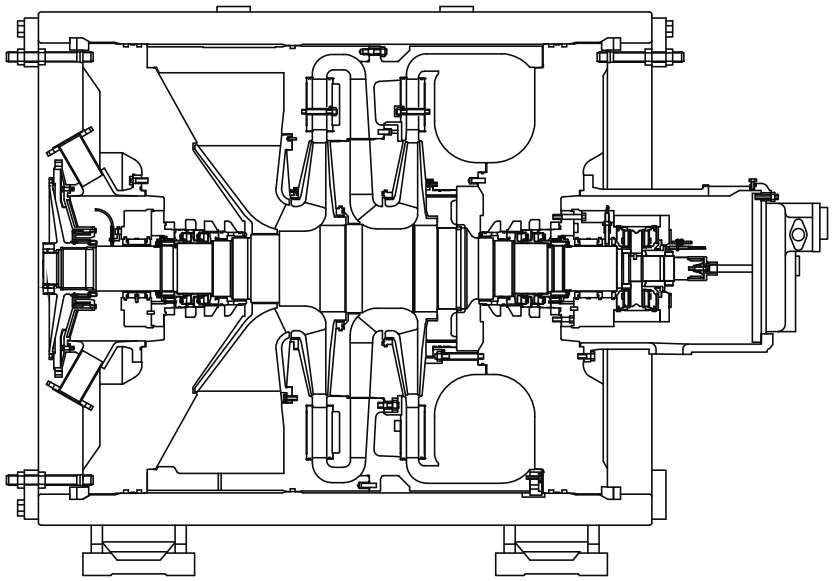
Dimensional characteristics of centrifugal compressor 324GC2-430/46-80M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.85*
Suction temperature, °C	*30.0*
*Gas constant, J/(kg*deg)*	*460.8*

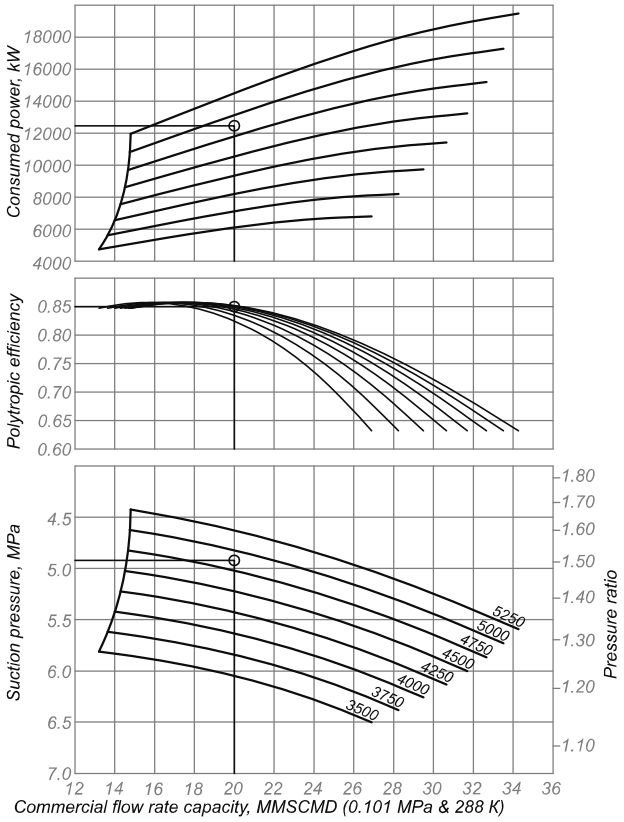
Centrifugal Compressor 321GC2-292/50-76M1



Basic technical parameters of centrifugal compressor 321GC2-292/50-76M1

Parameter	Value
Flow rate capacity, corrected for temperature 288 K (+15°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	231.5 (20.0)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	4.87 (292.08)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	4.920 (50.20)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.405 (75.50)
Pressure ratio (design)	1.504
Polytropic compressor efficiency, %, min	85
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.67 (4900)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	87.5 ÷ 58.3 (5250 ÷ 3500)
Nominal (design) power, consumed by the compressor, MW	12.462
Gas temperature at the compressor inlet, design, K (°C)	317.15 (+44)
Gas temperature rise in the compressor in nominal mode, (design), °C	36.1
Gas deviation factor under compressor inlet conditions	0.926

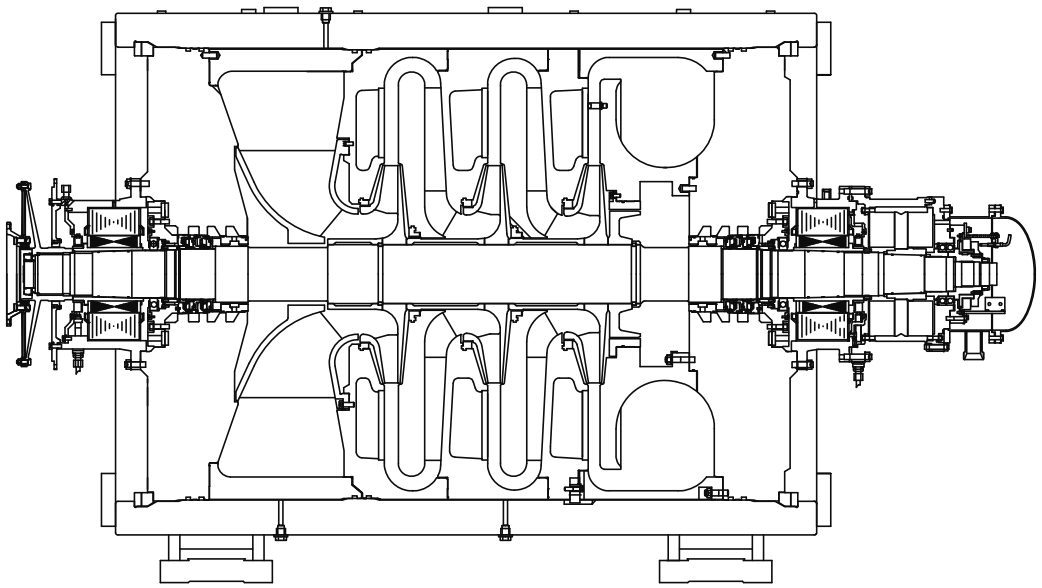
Dimensional characteristics of centrifugal compressor 321GC2-292/50-76M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.41*
Suction temperature, °C	*44.0*
*Gas constant, J/(kg*deg)*	*458.5*

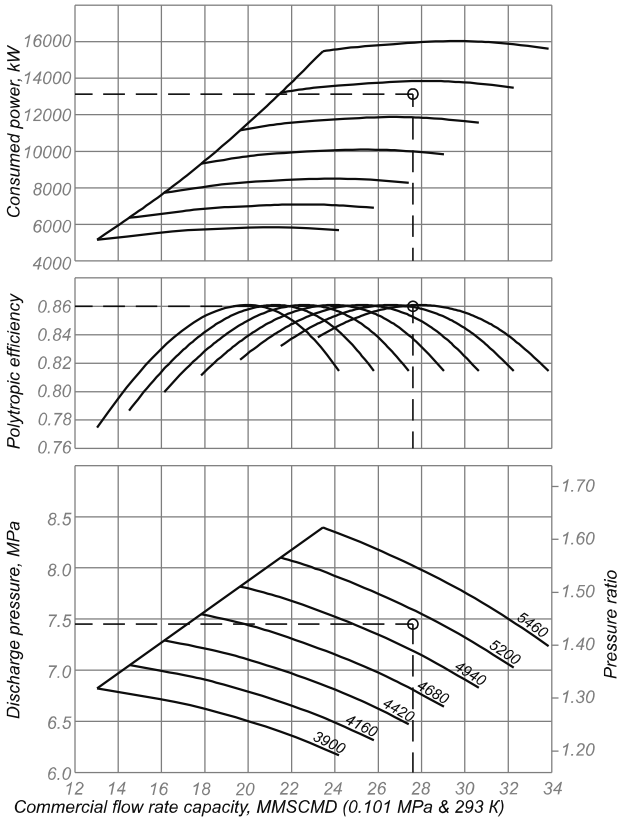
Centrifugal Compressor 322GC2-330/53-76M



Basic technical parameters of centrifugal compressor 322GC2-330/53-76M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	319.44 (27.6)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	5.538 (332.26)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	5.174 (52.8)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.45 (76)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	86
Compressor rotor rotation speed, design, s^{-1} (rpm)	85.0 (5100)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	91 ÷ 60.7 (5460 ÷ 3640)
Nominal (design) power, consumed by the compressor, MW	13.135
Gas temperature at the compressor inlet, design, K (°C)	288.15 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	31.1
Gas deviation factor under compressor inlet conditions	0.899

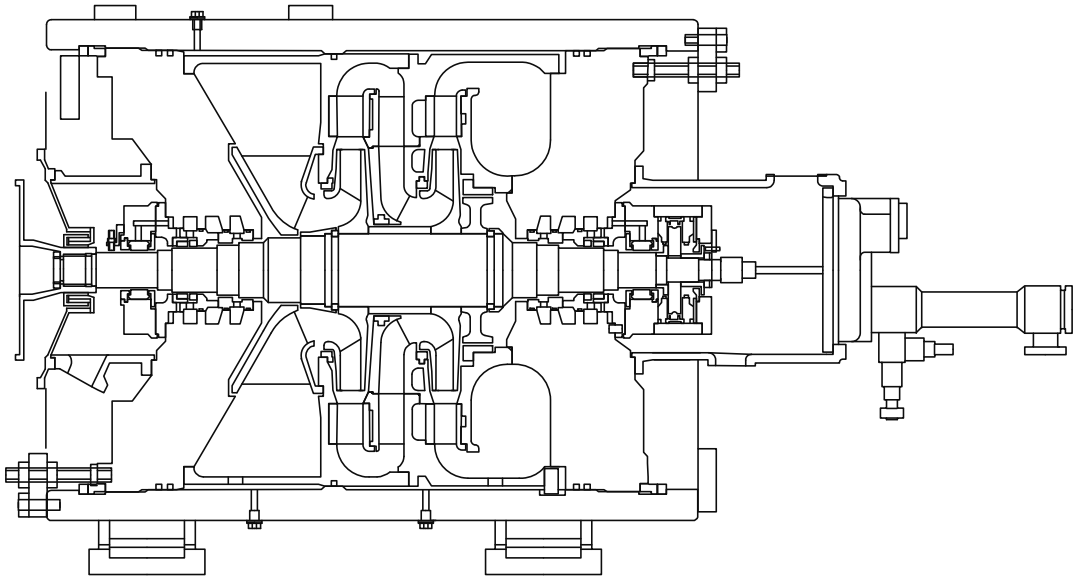
Dimensional characteristics of centrifugal compressor 322GC2-330/53-76M



The characteristics are designed for the following conditions:

Suction pressure, MPa	*5.174*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*507.2*

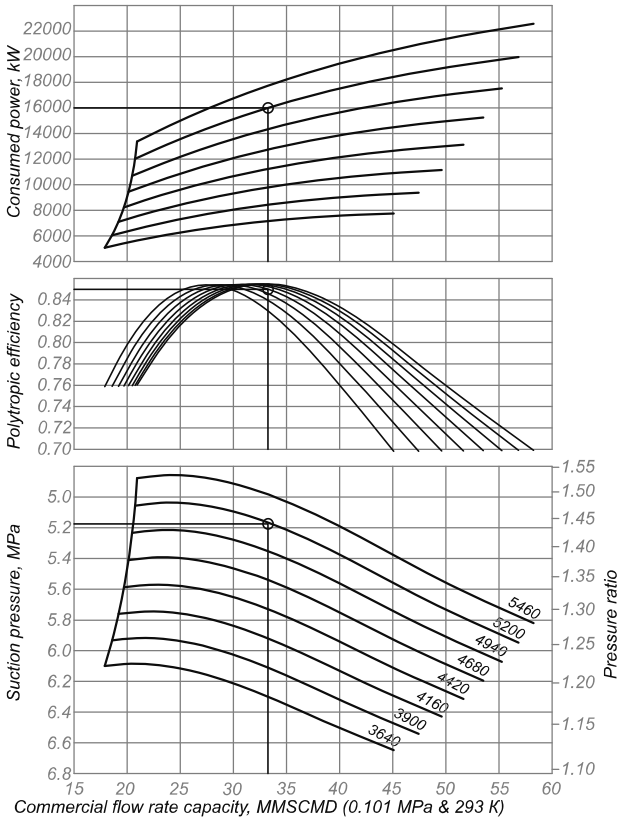
Centrifugal Compressor 291GC2-395/53-76C



Basic technical parameters of centrifugal compressor 291GC2-395/53-76C

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	372.68 (32.3)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	6.48 (389.1)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	5.17 (52.78)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.450 (76)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	85
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.67 (4900)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	92.75 ÷ 61.83 (5565 ÷ 3710)
Nominal (design) power, consumed by the compressor, MW	15.9
Gas temperature at the compressor inlet, design, K (°C)	288 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	31
Gas deviation factor under compressor inlet conditions	0.899

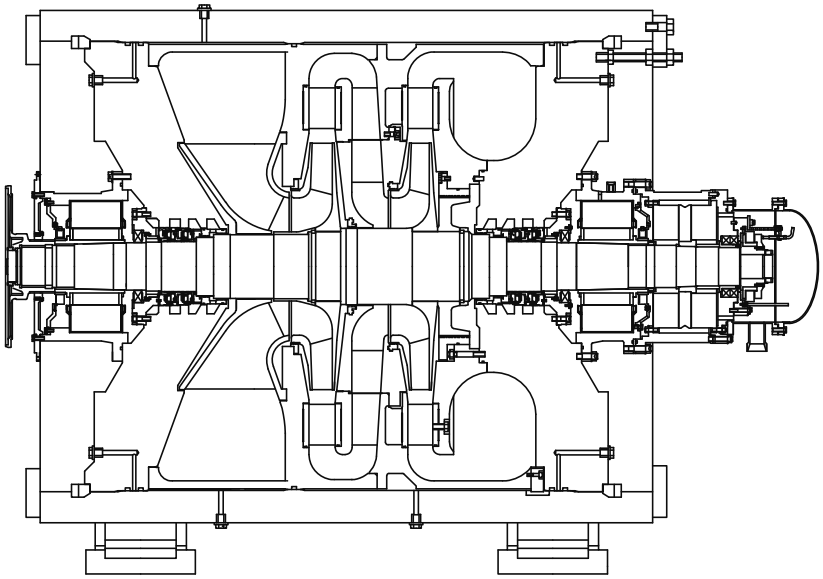
Dimensional characteristics of centrifugal compressor 291GC2-395/53-76C



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.45*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*509.2*

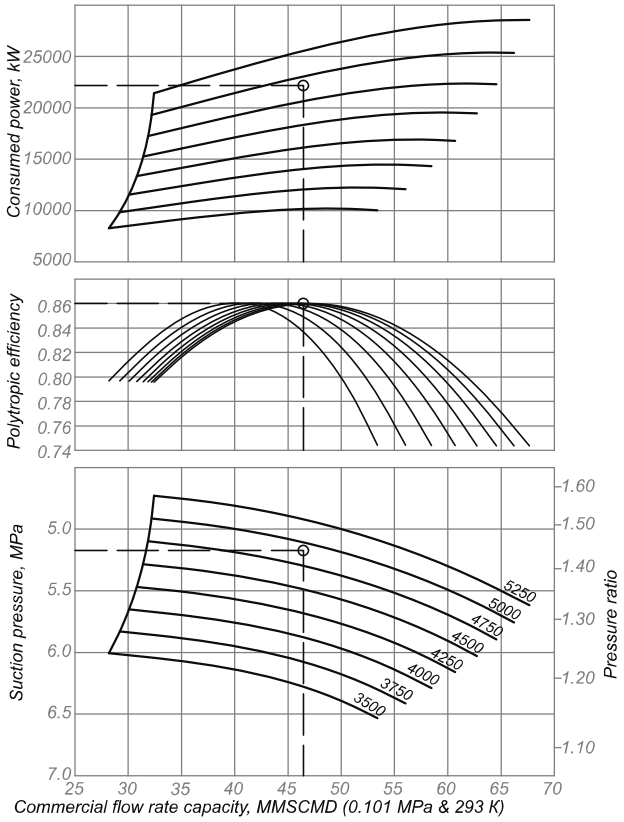
Centrifugal Compressor 321GC2-560/53-76M



Basic technical parameters of centrifugal compressor 321GC2-560/53-76M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	546.30 (47.2)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	9.5 (569.78)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	5.178 (52.78)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.456 (76)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	86
Compressor rotor rotation speed, design, s^{-1} (rpm)	83.3 (5000)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	87.5 ÷ 58.3 (5250 ÷ 3500)
Nominal (design) power, consumed by the compressor, MW	22.5
Gas temperature at the compressor inlet, design, K (°C)	288 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	31.2
Gas deviation factor under compressor inlet conditions	0.902

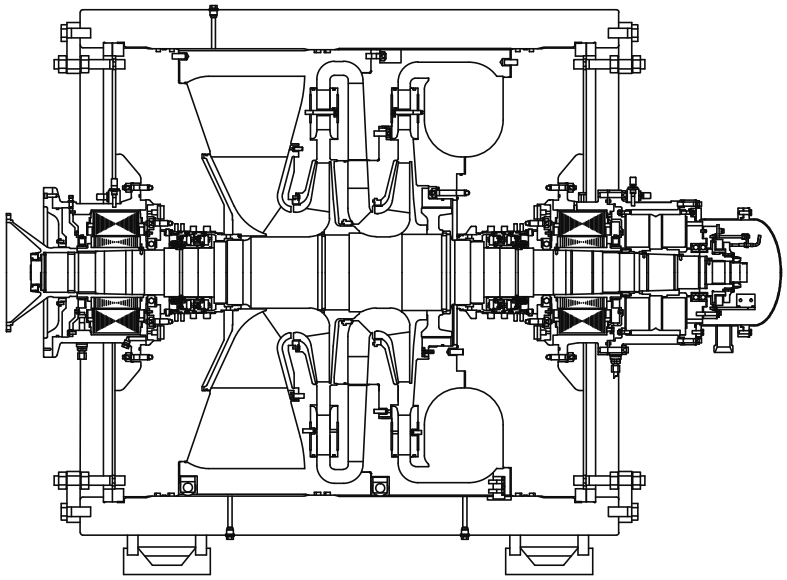
Dimensional characteristics of centrifugal compressor 321GC2-560/53-76M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.45*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*506.8*

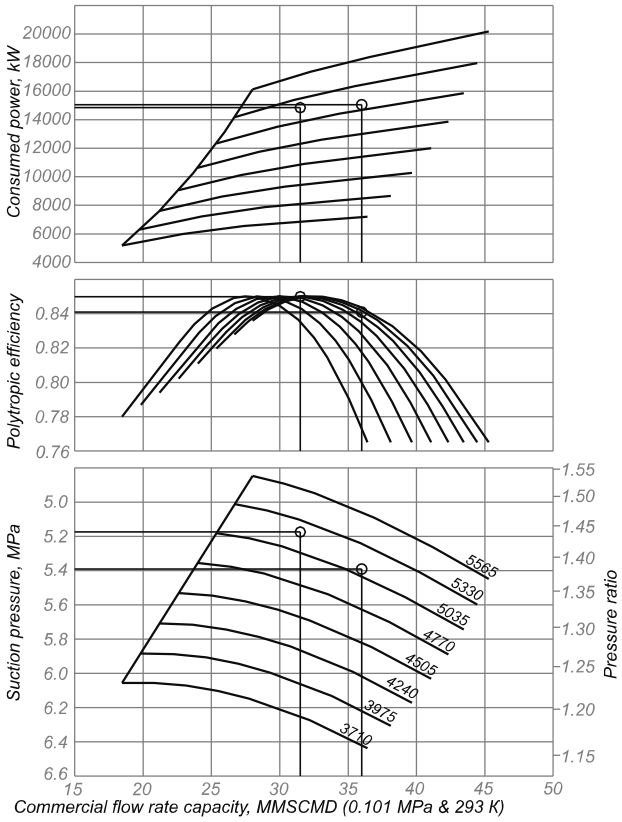
Centrifugal Compressor 16GC2-360/53-76MC0



Basic technical parameters of centrifugal compressor 16GC2-360/53-76MC0

Parameter	Value	
	нормал.	гарант.
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	364.58 (31.5)	416.67 (36)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	6.185 (371.09)	6.753 (405.15)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	5.174 (52.8)	5.391 (55)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.45 (76)	7.45 (76)
Pressure ratio (design)	1.44	1.384
Polytropic compressor efficiency, %, min	85	84.1
Compressor rotor rotation speed, design, s^{-1} (rpm)	86.67 (5200)	85 (5100)
Range of changes of compressor ротора компрессора, c^{-1} (rpm)	92.75 ÷ 61.83 (5565 ÷ 3710)	
Nominal (design) power, consumed by the compressor, MW	14.846	15.06
Gas temperature at the compressor inlet, design, K (°C)	283.15 (+10)	
Gas temperature rise in the compressor in nominal mode, (design), °C	31.1	27.7
Gas deviation factor under compressor inlet conditions	0.895	0.891

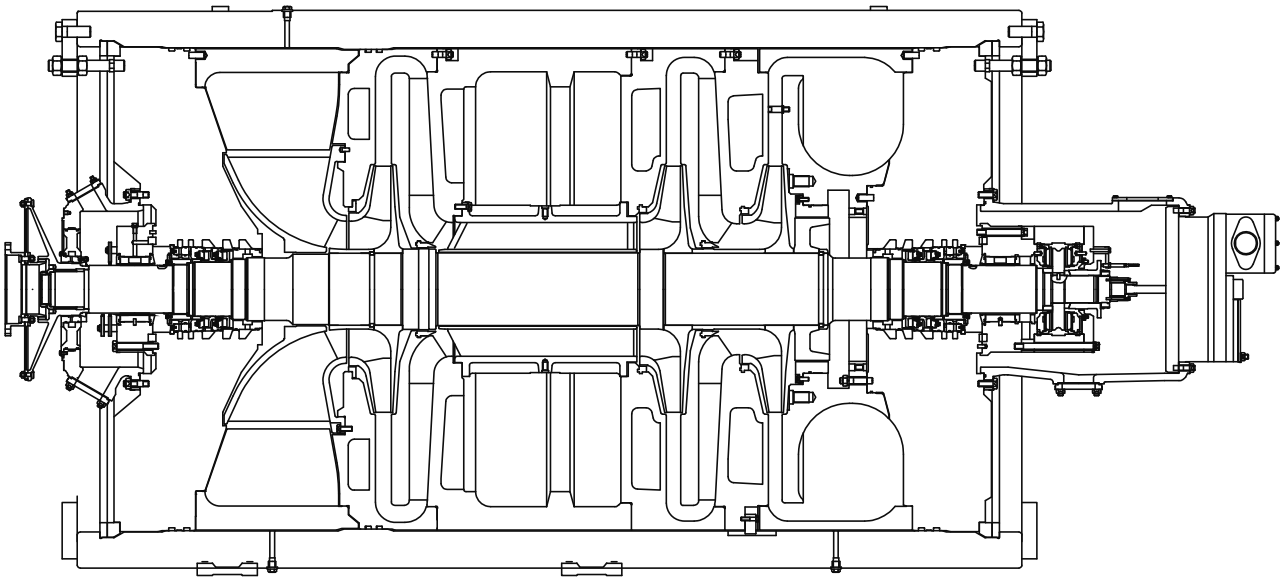
Dimensional characteristics of centrifugal compressor 16GC2-360/53-76MC0



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.45*
Suction temperature, °C	*10.0*
*Gas constant, J/(kg*deg)*	*511.1*

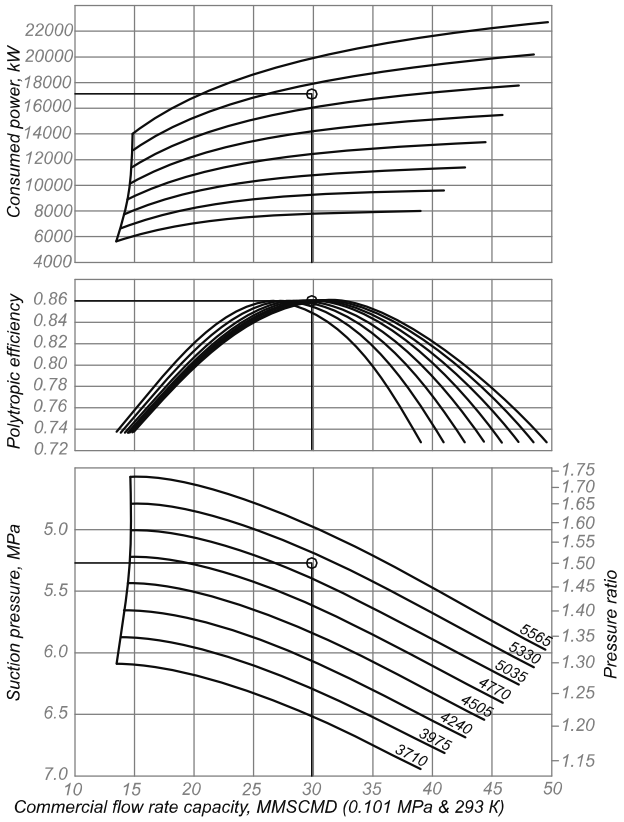
Centrifugal Compressor 324GC2-380/53-80M1



Basic technical parameters of centrifugal compressor 324GC2-380/53-80M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	346.1 (29.9)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	6.33 (379.9)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	5.27 (53.7)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.91 (80.6)
Pressure ratio (design)	1.5
Polytropic compressor efficiency, %, min	86
Compressor rotor rotation speed, design, s^{-1} (rpm)	86.3 (5200)
Range of changes of compressor rotor rotation speed. s^{-1} (rpm)	92.8 ÷ 61.8 (5565 ÷ 3710)
Nominal (design) power, consumed by the compressor, MW	17.1
Gas temperature at the compressor inlet, design, K (°C)	303.2 (+30)
Gas temperature rise in the compressor in nominal mode, (design), °C	36
Gas deviation factor under compressor inlet conditions	0.919

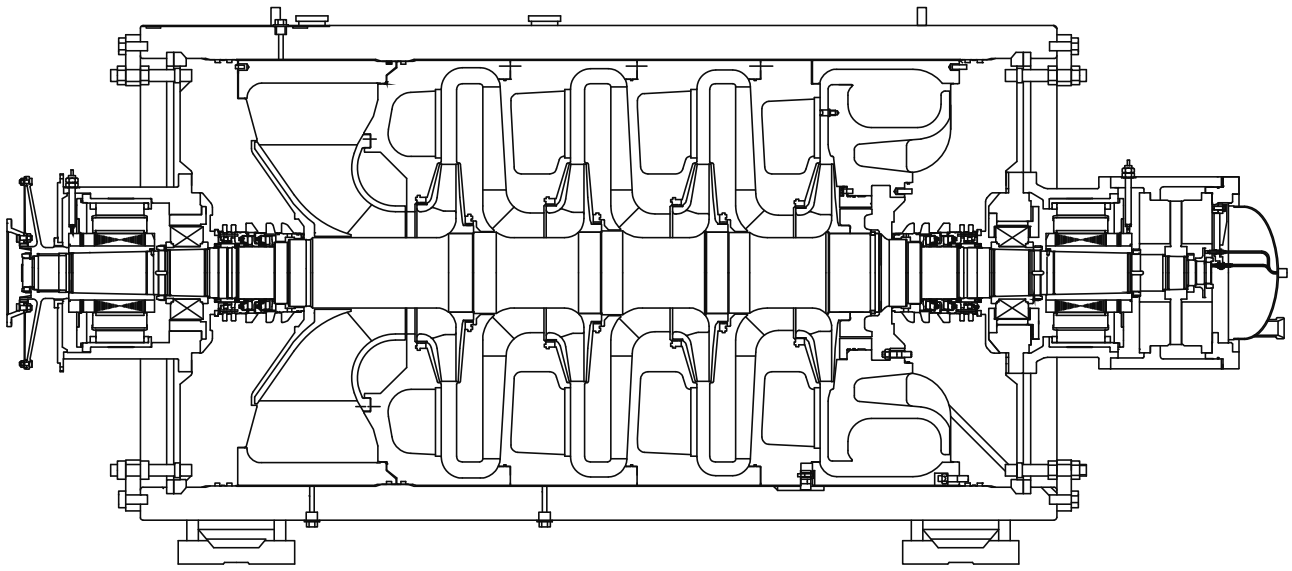
Dimensional characteristics of centrifugal compressor 324GC2-380/53-80M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.91*
Suction temperature, °C	*30.0*
*Gas constant, J/(kg*deg)*	*509.4*

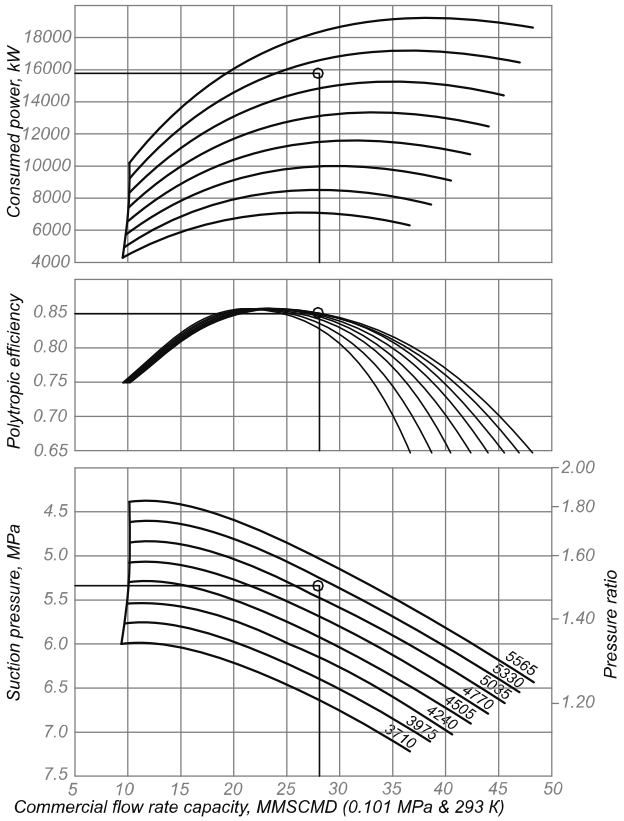
Centrifugal Compressor 295GC2-340/55-82M



Basic technical parameters of centrifugal compressor 295GC2-340/55-82M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	324.07 (28)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	5.76 (342.68)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	5.33 (54.37)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	8.0 (81.55)
Pressure ratio (design)	1.5
Polytropic compressor efficiency, %, min	85
Compressor rotor rotation speed, design, s^{-1} (rpm)	86.67 (5200)
Range of changes of compressor rotor rotation speed. s^{-1} (rpm)	92.75 ÷ 61.83 (5565 ÷ 3710)
Nominal (design) power, consumed by the compressor, MW	15.8
Gas temperature at the compressor inlet, design, K (°C)	298 (+25)
Gas temperature rise in the compressor in nominal mode, (design), °C	36
Gas deviation factor under compressor inlet conditions	0.911

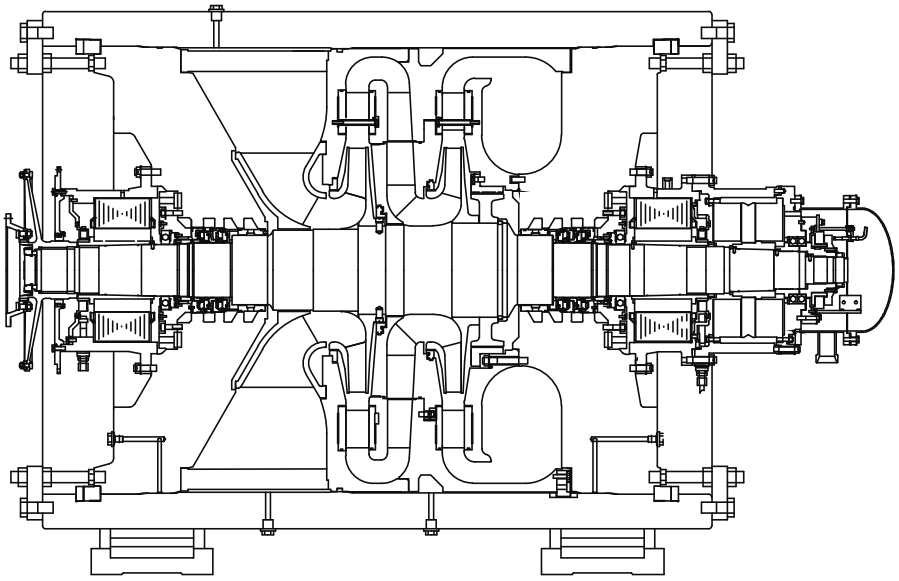
Dimensional characteristics of centrifugal compressor 295GC2-340/55-82M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*8.0*
Suction temperature, K	*298.0*
*Gas constant, J/(kg*deg)*	*512.3*

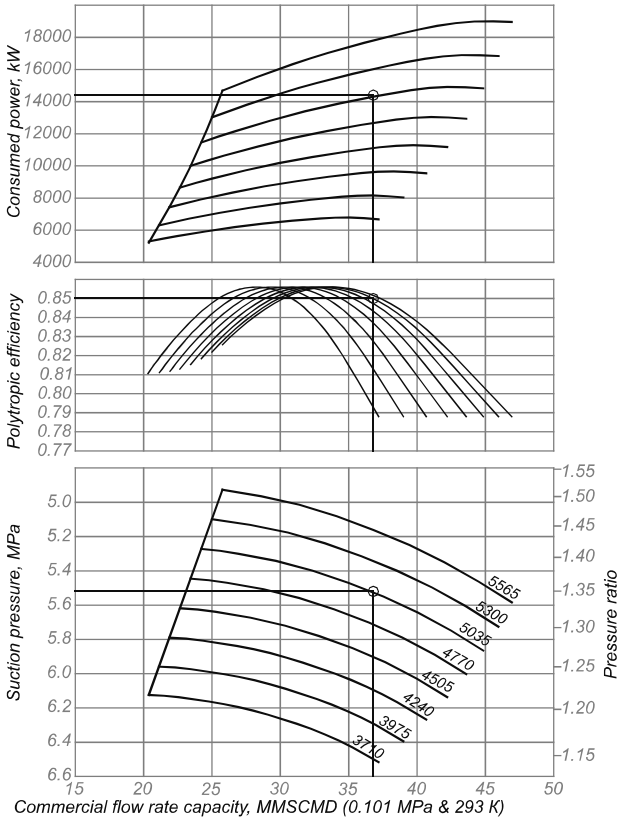
Centrifugal Compressor 291GC2-400/56-76M



Basic technical parameters of centrifugal compressor 291GC2-400/56-76M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	425.93 (36.8)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	6.877 (412.64)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	5.52 (56.3)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.45 (76)
Pressure ratio (design)	1.35
Polytropic compressor efficiency, %, min	85
Compressor rotor rotation speed, design, s^{-1} (rpm)	84.08 (5045)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	92.75 ÷ 61.8 (5565 ÷ 3710)
Nominal (design) power, consumed by the compressor, MW	14.4
Gas temperature at the compressor inlet, design, K (°C)	288 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	25.73
Gas deviation factor under compressor inlet conditions	0.893

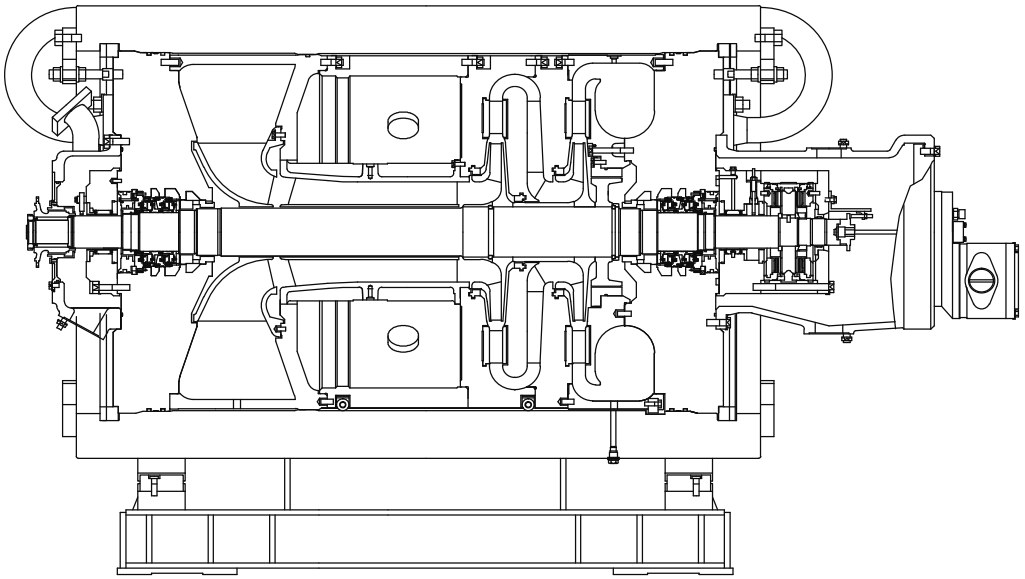
Dimensional characteristics of centrifugal compressor 291GC2-400/56-76M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.45*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*509.1*

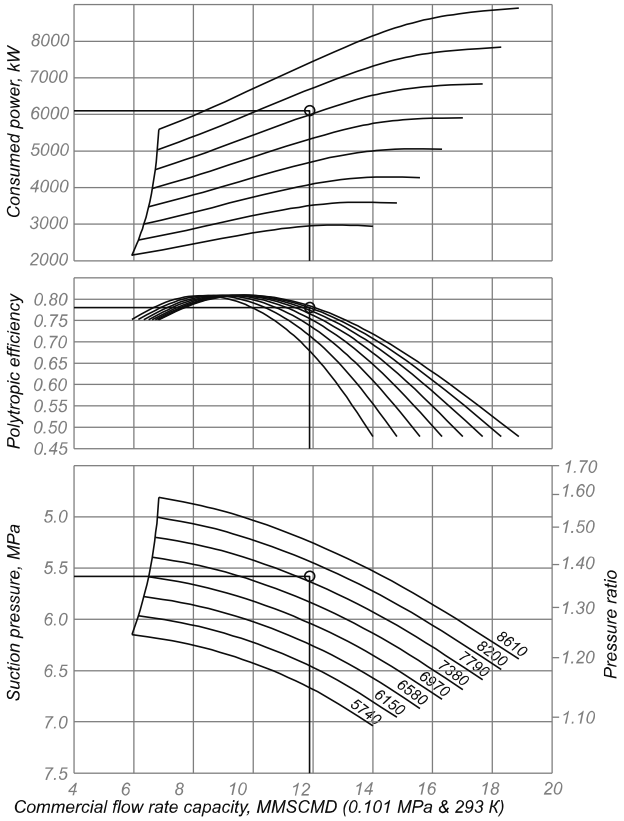
Centrifugal Compressor 224GC2-130/56-76M12



Basic technical parameters of centrifugal compressor 224GC2-130/56-76M12

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	137.53 (11.883)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	2.526 (151.53)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	5.58 (56.9)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	7.65 (78)
Pressure ratio (design)	1.37
Polytropic compressor efficiency, %, min	78
Compressor rotor rotation speed, s^{-1} (rpm) design nominal	133.9 (8036) 136.67 (8200)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	95.67 ÷ 143.5 (5740 ÷ 8610)
Nominal (design) power, consumed by the compressor, MW	6.1
Gas temperature at the compressor inlet, design, K (°C)	323.0 (+50.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	29.8
Gas deviation factor under compressor inlet conditions	0.916

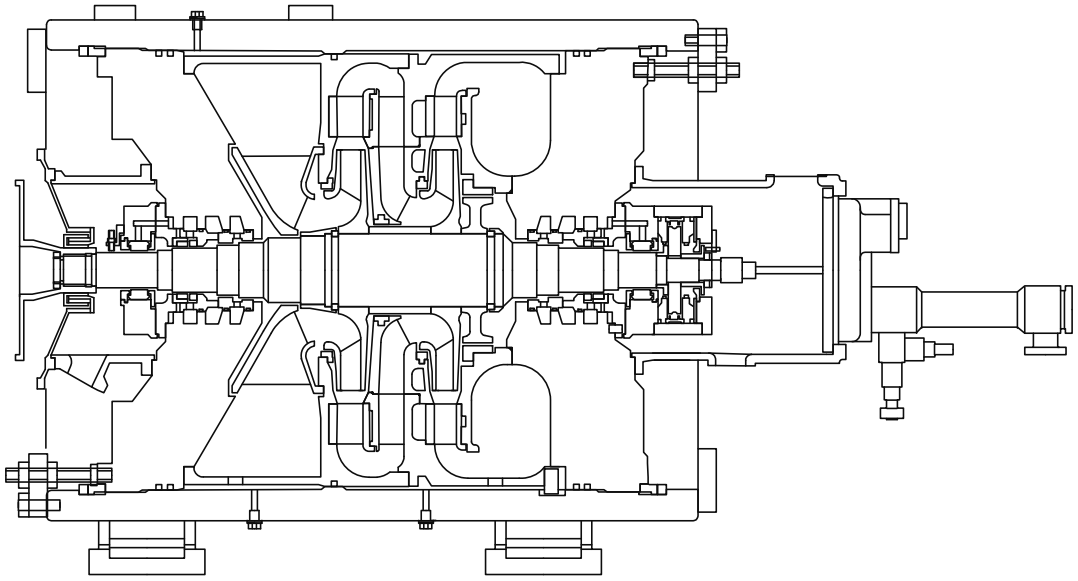
Dimensional characteristics of centrifugal compressor 224GC2-130/56-76M12



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*7.65*
Suction temperature, K	*323.0*
*Gas constant, J/(kg*deg)*	*449.8*

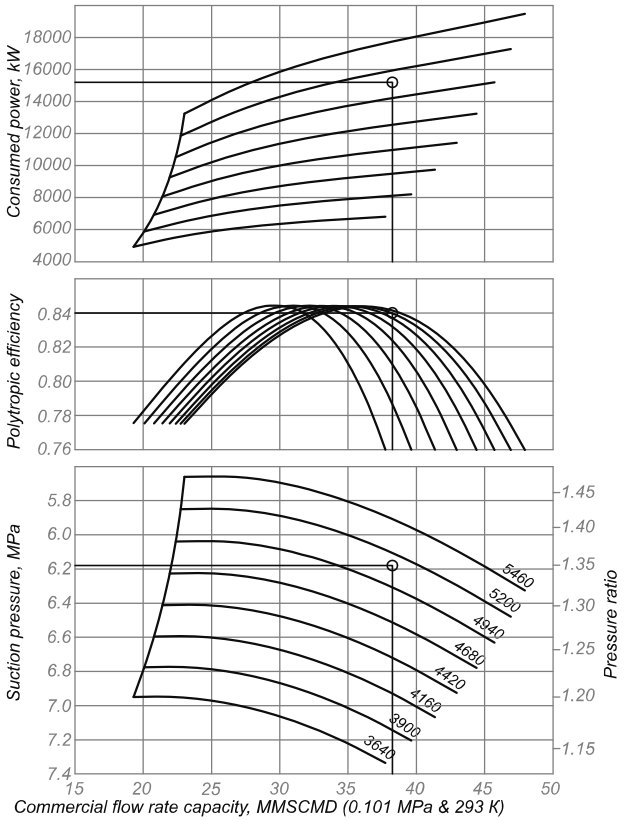
Centrifugal Compressor 291GC2-385/63-85M1



Basic technical parameters of centrifugal compressor 291GC2-385/63-85M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	442.6 (38.24)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	6.45 (387.2)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	6.18 (62.96)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	8.38 (85.45)
Pressure ratio (design)	1.35
Polytropic compressor efficiency, %, min	84
Compressor rotor rotation speed, design, s^{-1} (rpm)	85 (5100)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	91 ÷ 60.67 (5460 ÷ 3640)
Nominal (design) power, consumed by the compressor, MW	15.2
Gas temperature at the compressor inlet, design, K (°C)	293 (+20.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	26
Gas deviation factor under compressor inlet conditions	0.888

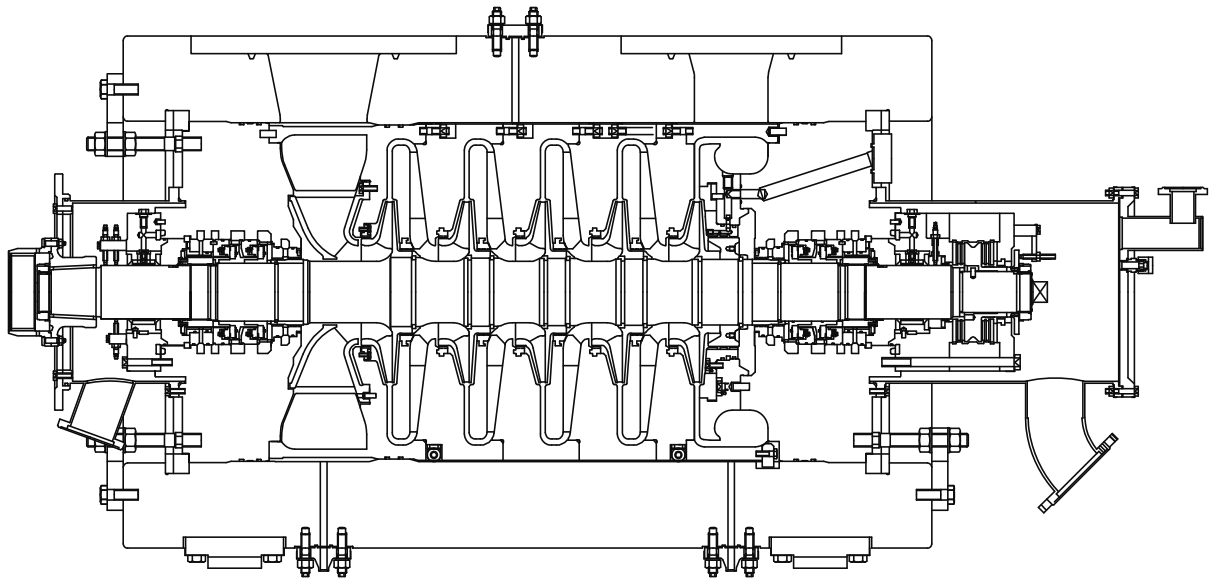
Dimensional characteristics of centrifugal compressor 291GC2-385/63-85M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*8.34*
Suction temperature, °C	*20.0*
*Gas constant, J/(kg*deg)*	*507.3*

Centrifugal Compressor 154GC2-63/65-155M124

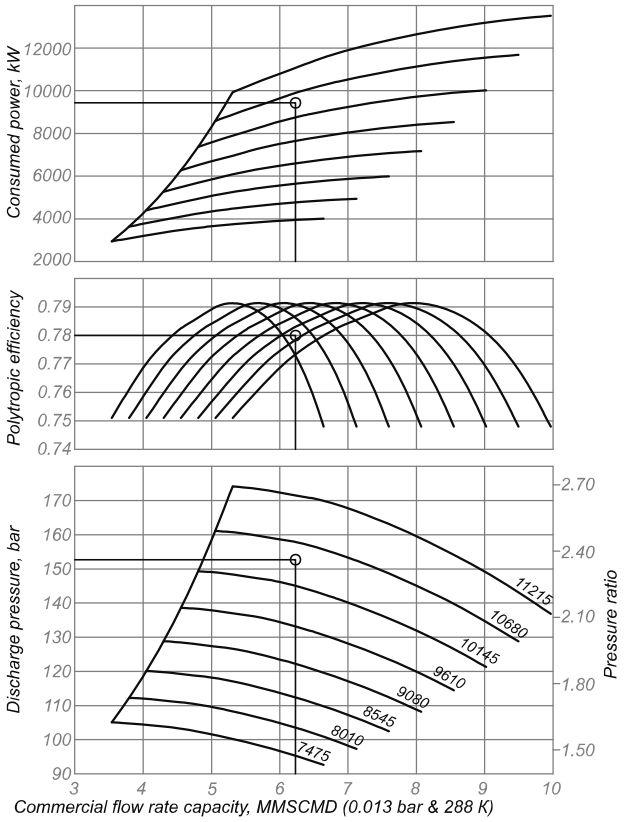


Gas, compressed by the centrifugal compressor, contains: hydrogen sulphide (H_2S) – 0,88% and carbon dioxide (CO_2) – 1,44%.

Basic technical parameters of centrifugal compressor 154GC2-63/65-155M124

Parameter	Value
Flow rate capacity, corrected for temperature 288 K (+15°C) and pressure 0.101 MPa (1.033 kgf/cm²), m³/s (MMCMD), min	72.106 (6.23)
Volumetric flow rate capacity, corrected for suction conditions, m³/s (m³/min), min	1.08 (64.79)
Suction pressure, absolute, MPa (kgf/cm²) nominal	6.468 (65.93)
Discharge pressure, absolute, MPa (kgf/cm²) nominal	15.27 (155.66)
Pressure ratio (design)	2.36
Polytropic compressor efficiency, %, min	78.0
Compressor rotor rotation speed, design, s⁻¹ (rpm)	174.17 (10450)
Range of changes of compressor rotor rotation speed, s⁻¹ (rpm)	186.9 ÷ 124.6 (11215 ÷ 7475)
Power, consumed by the compressor, MW nominal (design) maximum	9.429 14.56
Gas temperature at the compressor inlet, design, K (°C)	308.5 (+35.5)
Gas temperature rise in the compressor in nominal mode, (design), °C	84.51
Gas deviation factor under compressor inlet conditions	0.891

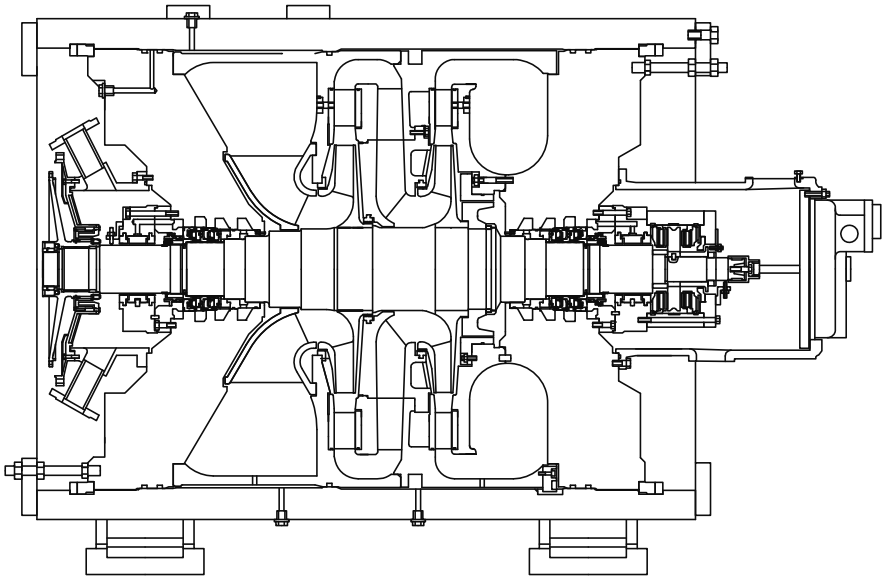
Dimensional characteristics of centrifugal compressor 154GC2-63/65-155M124



The characteristics are designed for the following conditions:

Suction pressure, bar	*64.68*
Suction temperature, °C	*35.5*
*Gas constant, J/(kg*deg)*	*455.5*

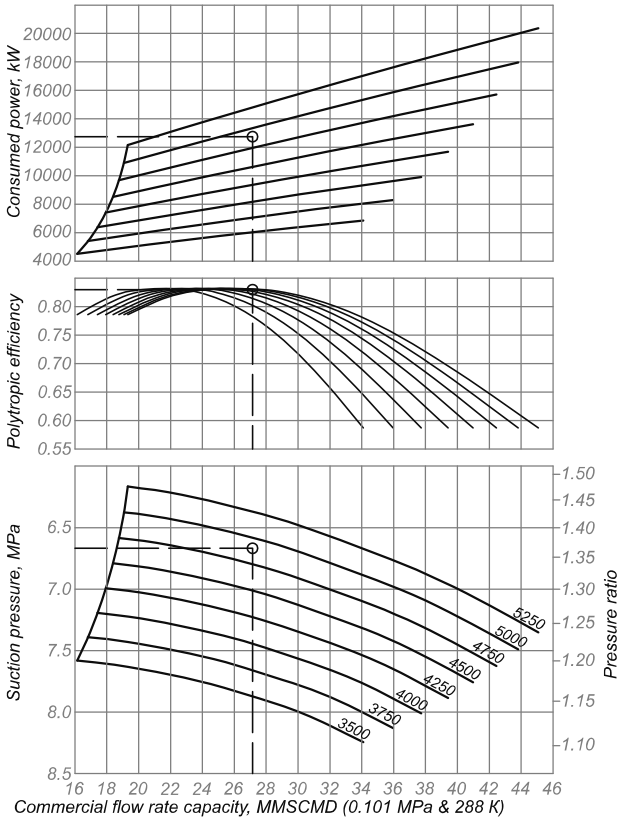
Centrifugal Compressor 291GC2-286/68-92M1



Basic technical parameters of centrifugal compressor 291GC2-286/68-92M1

Parameter	Value
Flow rate capacity, corrected for temperature 288 K (+15°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	319.71 (27.623)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	4.768 (286.13)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	6.668 (67.97)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	9.095 (92.71)
Pressure ratio (design)	1.364
Polytropic compressor efficiency, %, min	83
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.67 (4900)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	87.5 ÷ 58.33 (5250 ÷ 3500)
Nominal (design) power, consumed by the compressor, MW	12.752
Gas temperature at the compressor inlet, design, K (°C)	317.5 (+44.5)
Gas temperature rise in the compressor in nominal mode, (design), °C	28.3
Gas deviation factor under compressor inlet conditions	0.904

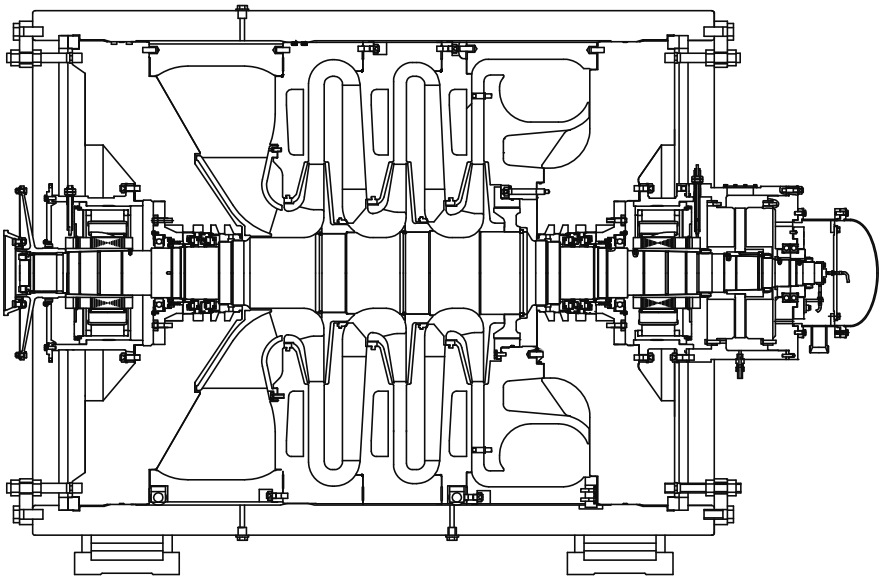
Dimensional characteristics of centrifugal compressor 291GC2-286/68-92M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*9.095*
Suction temperature, °C	*44.5*
*Gas constant, J/(kg*deg)*	*467.8*

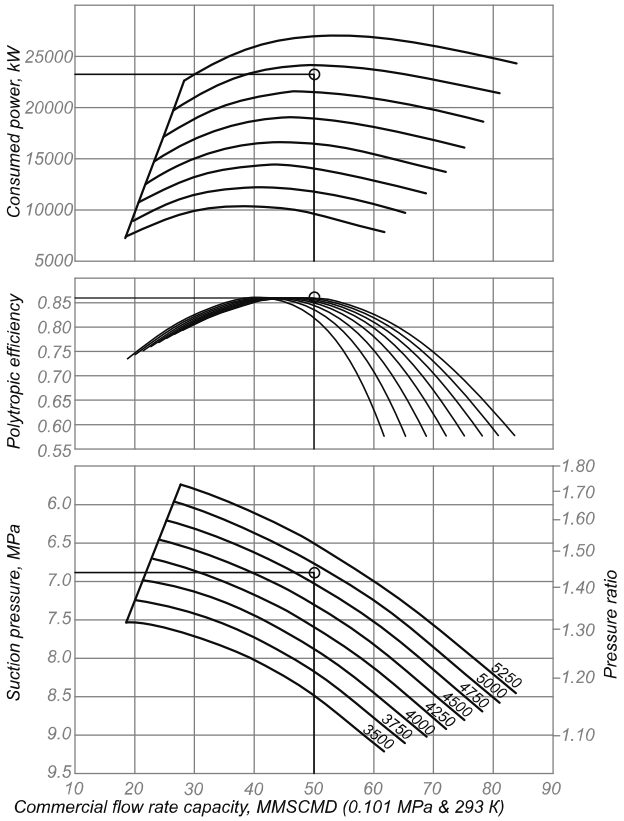
Centrifugal Compressor 352GC2-440/70-100M



Basic technical parameters of centrifugal compressor 352GC2-440/70-100M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	582.2 (50.3)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	7.34 (440.67)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	6.88 (70.1)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	9.91 (101)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	86
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.7 (4900)
Nominal (design) power, consumed by the compressor, MW	23.3
Gas temperature at the compressor inlet, design, K (°C)	288.0 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	31.1

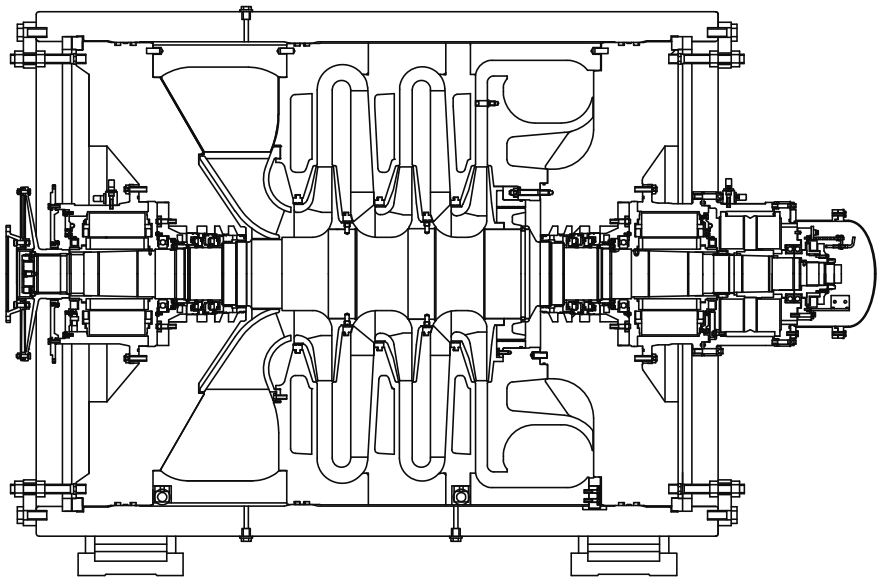
Dimensional characteristics of centrifugal compressor 352GC2-440/70-100M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*9.91*
Suction temperature, K	*288.0*
*Gas constant, J/(kg*deg)*	*508.9*

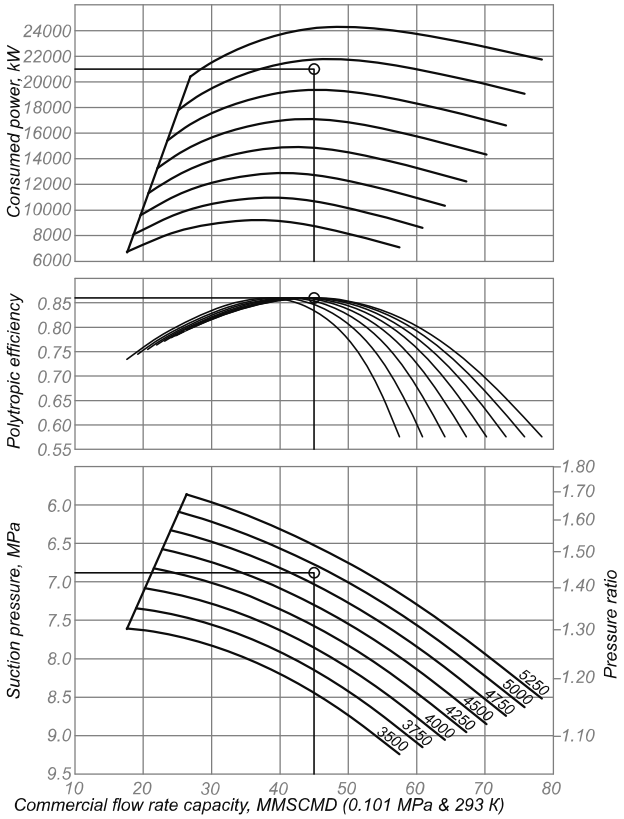
Centrifugal Compressor 352GC2-395/70-100M



Basic technical parameters of centrifugal compressor 352GC2-395/70-100M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	520.8 (45.0)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	6.57 (394.1)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	6.882 (70.14)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	9.91 (101)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	86
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.67 (4900)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	87.5 ÷ 58.33 (5250 ÷ 3500)
Nominal (design) power, consumed by the compressor, MW	21.3
Gas temperature at the compressor inlet, design, K (°C)	288.0 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	31.1
Gas deviation factor under compressor inlet conditions	0.870

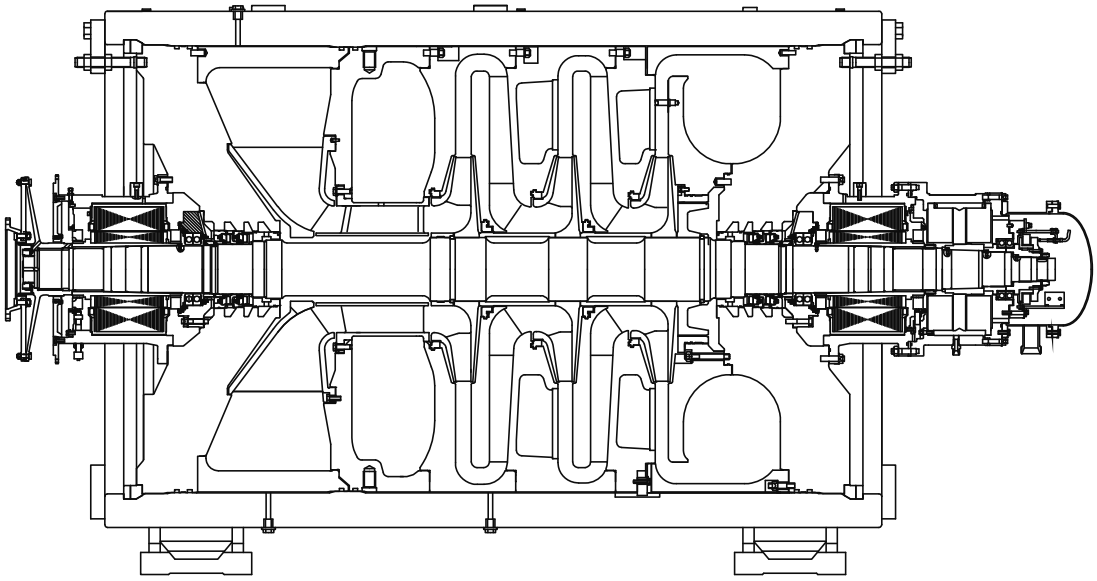
Dimensional characteristics of centrifugal compressor 352GC2-395/70-100M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*9.91*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*508.9*

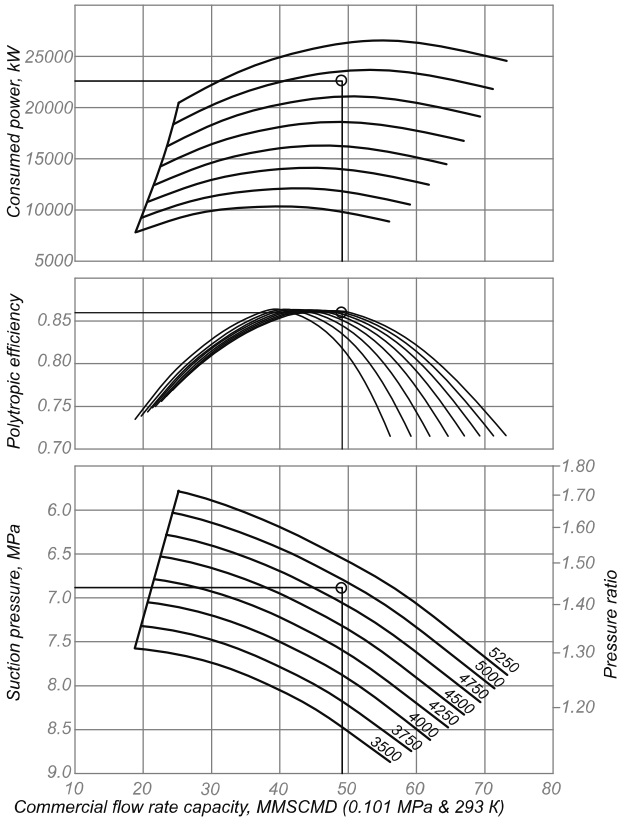
Centrifugal Compressor 323GC2-410/70-100M



Basic technical parameters of centrifugal compressor 323GC2-410/70-100M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	567.13 (49)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	7.15 (428.93)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	6.88 (70.15)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	9.91 (101)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	86
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.67 (4900)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	87.5 ÷ 58.3 (5250 ÷ 3500)
Nominal (design) power, consumed by the compressor, MW	22.636
Gas temperature at the compressor inlet, design, K (°C)	288 (+15)
Gas temperature rise in the compressor in nominal mode, (design), °C	31
Gas deviation factor under compressor inlet conditions	0.87

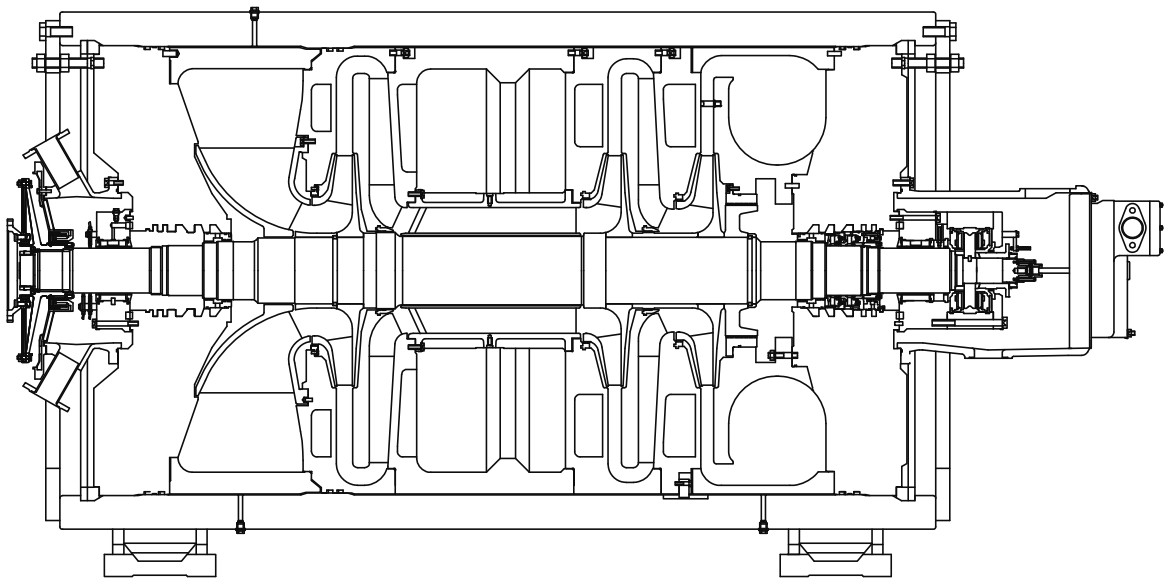
Dimensional characteristics of centrifugal compressor 323GC2-410/70-100M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*9.91*
Suction temperature, K	*288.1*
*Gas constant, J/(kg*deg)*	*508.9*

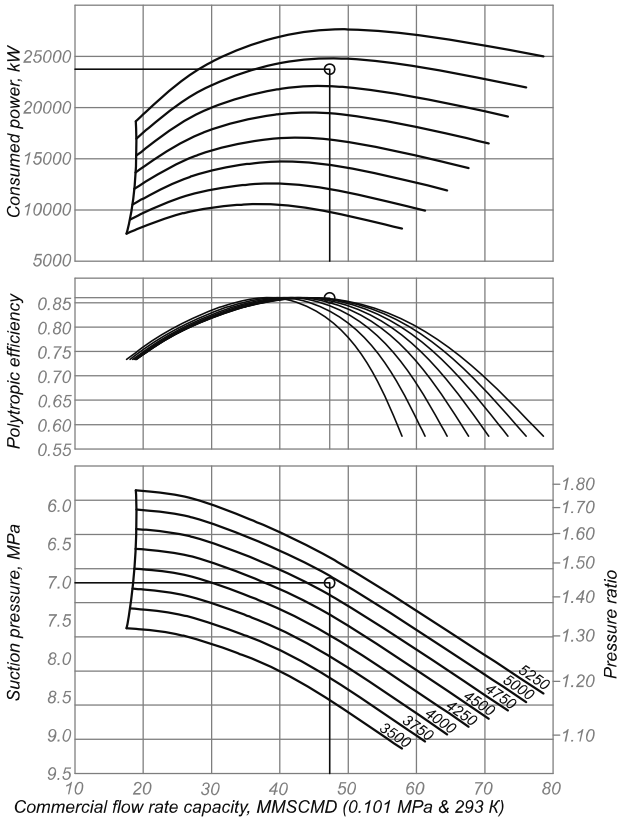
Centrifugal Compressor 324GC2-420/75-105M1



Basic technical parameters of centrifugal compressor 324GC2-420/75-105M1

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	547.86 (47.335)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	7.20 (431.89)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	7.208 (73.47)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	10.38 (105.81)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	86
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.67 (4900)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	87.50 ÷ 58.33 (5250 ÷ 3500)
Nominal (design) power, consumed by the compressor, MW	23.75
Gas temperature at the compressor inlet, design, K (°C)	313 (+40)
Gas temperature rise in the compressor in nominal mode, (design), °C	31.06
Gas deviation factor under compressor inlet conditions	0.873

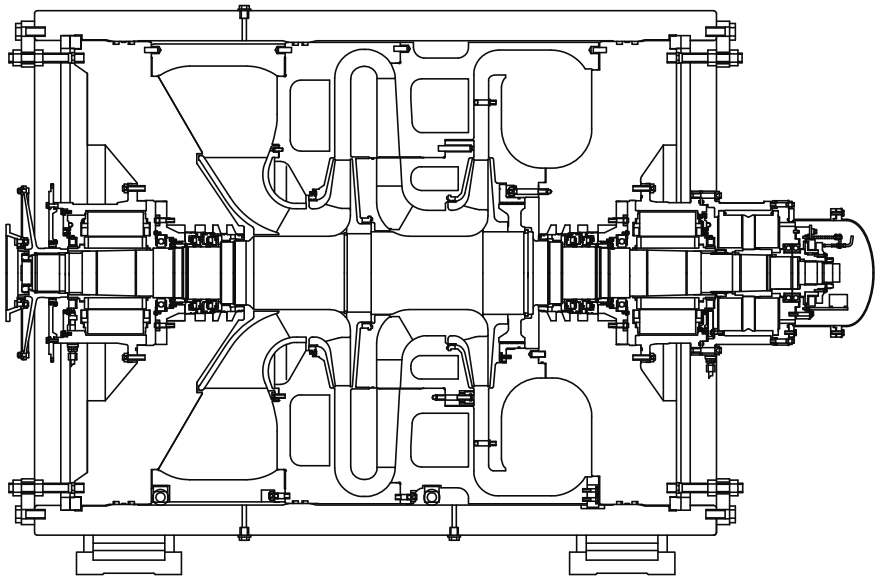
Dimensional characteristics of centrifugal compressor 324GC2-420/75-105M1



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*10.38*
Suction temperature, °C	*40.0*
*Gas constant, J/(kg*deg)*	*460.8*

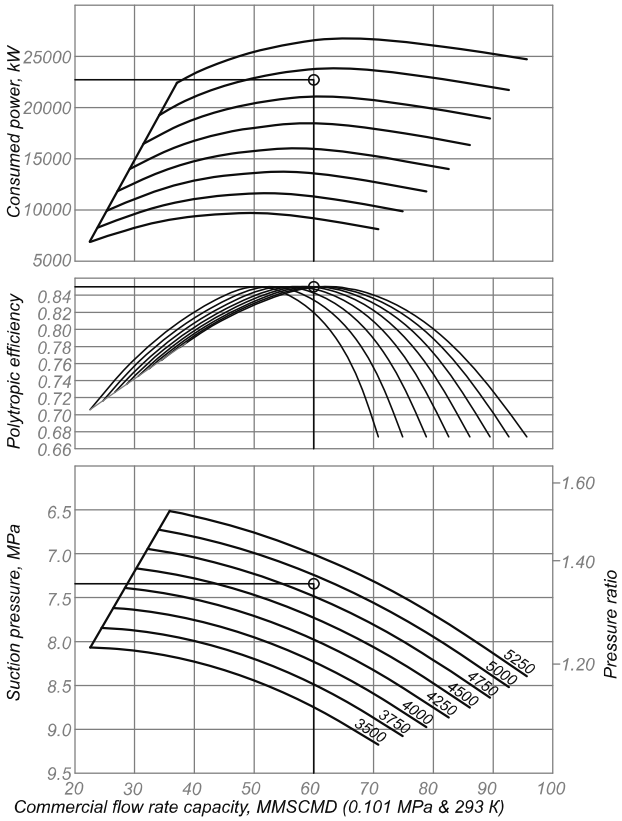
Centrifugal Compressor 352GC2-485/75-100M



Basic technical parameters of centrifugal compressor 352GC2-485/75-100M

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	694.44 (60.00)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	8.14 (488.40)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	7.341 (74.8)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	9.91 (101)
Pressure ratio (design)	1.35
Polytropic compressor efficiency, %, min	85
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.67 (4900)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	87.50 ÷ 58.33 (5250 ÷ 3500)
Nominal (design) power, consumed by the compressor, MW	22.7
Gas temperature at the compressor inlet, design, K (°C)	288.0 (+15.0)
Gas temperature rise in the compressor in nominal mode, (design), °C	25.6
Gas deviation factor under compressor inlet conditions	0.862

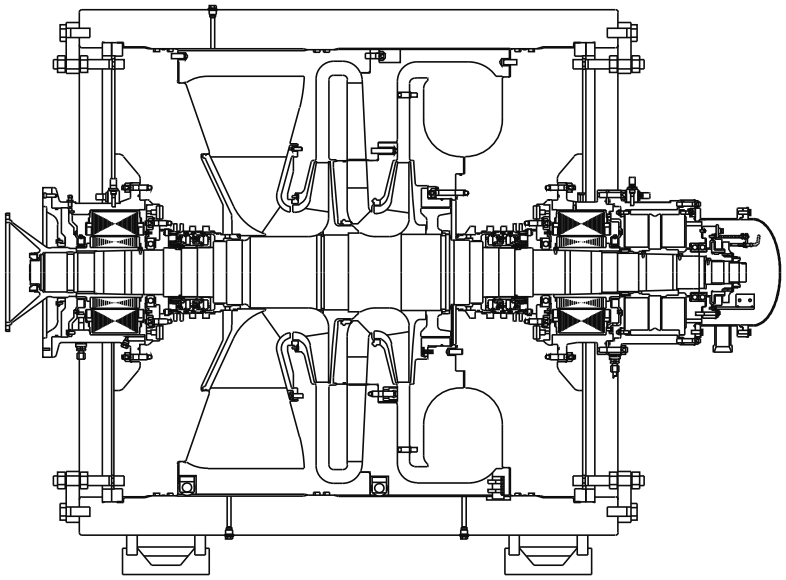
Dimensional characteristics of centrifugal compressor 352GC2-485/75-100M



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*9.91*
Suction temperature, °C	*15.0*
*Gas constant, J/(kg*deg)*	*508.9*

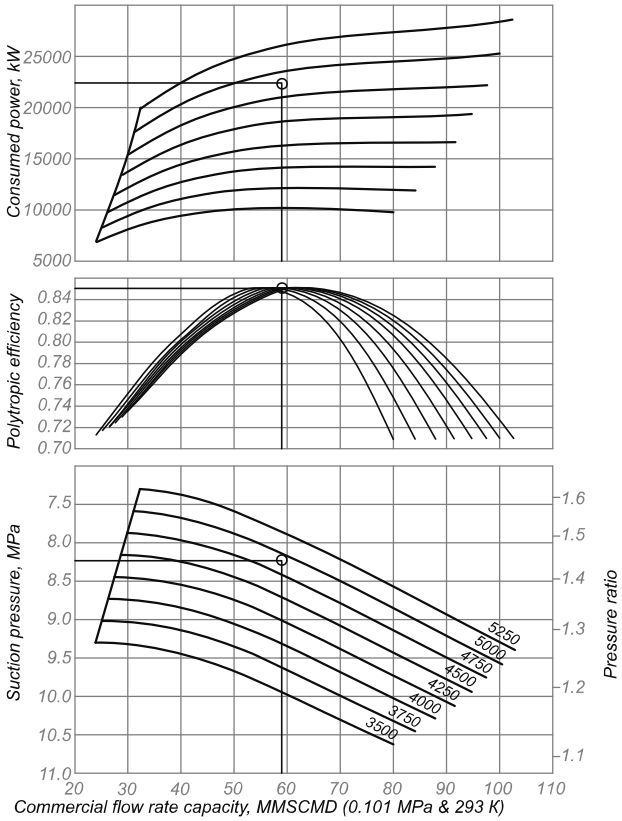
Centrifugal Compressor 25GC2-340/85-120MC0



Basic technical parameters of centrifugal compressor 25GC2-340/85-120MC0

Parameter	Value
Flow rate capacity, corrected for temperature 293 K (+20°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	682.2 (58.9)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	5.8 (348.3)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	8.24 (84)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	11.86 (121)
Pressure ratio (design)	1.44
Polytropic compressor efficiency, %, min	85
Compressor rotor rotation speed, design, s^{-1} (rpm)	81.7 (4900)
Range of changes of compressor rotor rotation speed, s^{-1} (rpm)	87.5 ÷ 58.3 (5250 ÷ 3500)
Nominal (design) power, consumed by the compressor, MW	22.5
Gas temperature at the compressor inlet, design, K (°C)	263 (-10)
Gas temperature rise in the compressor in nominal mode, (design), °C	28

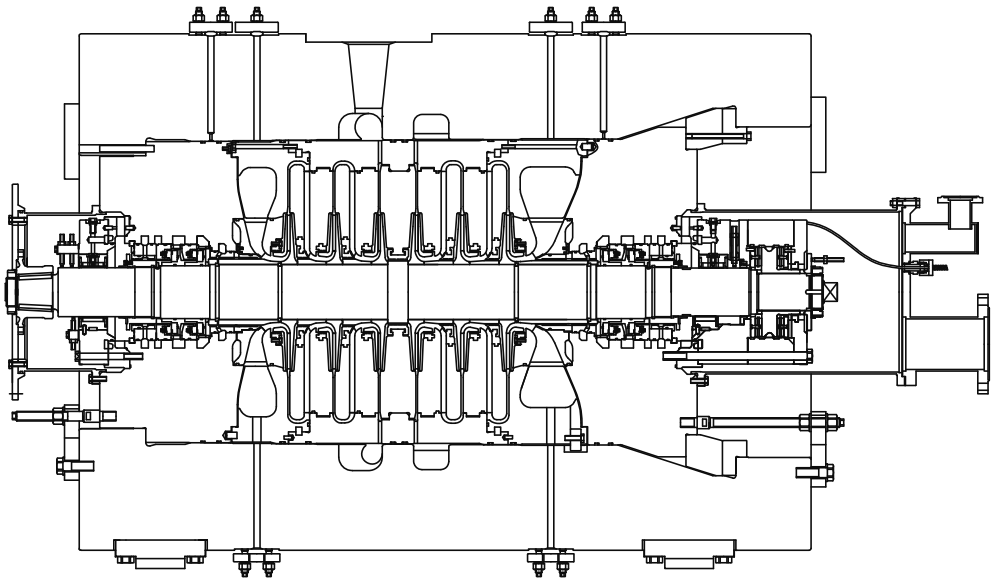
Dimensional characteristics of centrifugal compressor 25GC2-340/85-120MC0



The characteristics are designed for the following conditions:

Discharge pressure, MPa	*11.86*
Suction temperature, °C	*-10.0*
*Gas constant, J/(kg*deg)*	*503.8*

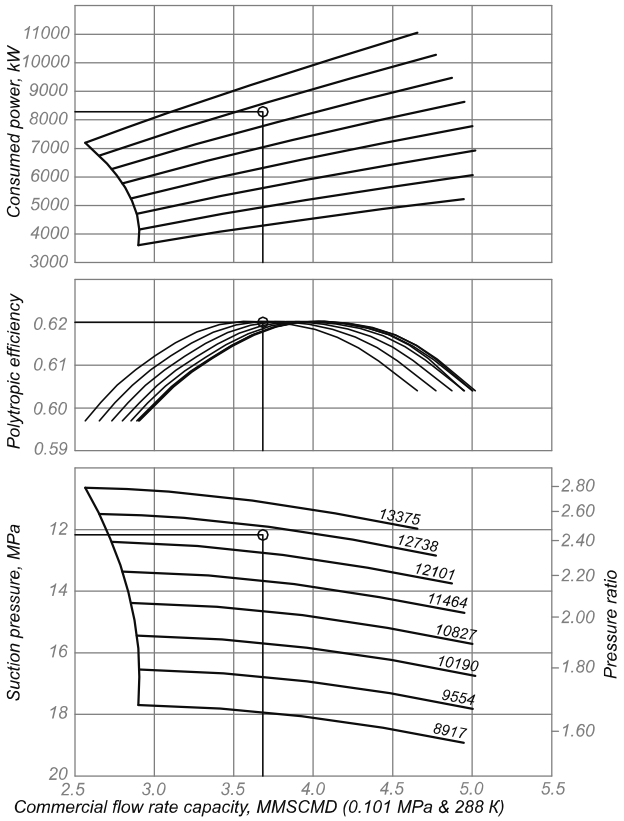
Centrifugal Compressor S153GC2-21/125-300M125



Basic technical parameters of centrifugal compressor S153GC2-21/125-300M125

Parameter	Value
Flow rate capacity, corrected for temperature 288 K (+15°C) and pressure 0.101 MPa (1.033 kgf/cm^2), m^3/s (MMCMD), min	42.627 (3.683)
Volumetric flow rate capacity, corrected for suction conditions, m^3/s (m^3/min), min	0.359 (21.56)
Suction pressure, absolute, MPa (kgf/cm^2) nominal	12.178 (124.18)
Discharge pressure, absolute, MPa (kgf/cm^2) nominal	29.678 (302.64)
Pressure ratio (design)	2.437
Polytropic compressor efficiency, %, min	62.0
Compressor rotor rotation speed, design, s^{-1} (rpm)	208.5 (12510)
Range of changes of compressor rotor rotation speed. s^{-1} (rpm)	222.92 ÷ 148.62 (13375 ÷ 8917)
Nominal (design) power, consumed by the compressor, MW	8.284
Gas temperature at the compressor inlet, design, K (°C)	328.15 (+55.00)
Gas temperature rise in the compressor in nominal mode, (design), °C	111.6
Gas deviation factor under compressor inlet conditions	0.888

Dimensional characteristics of centrifugal compressor S153GC2-21/125-300M125

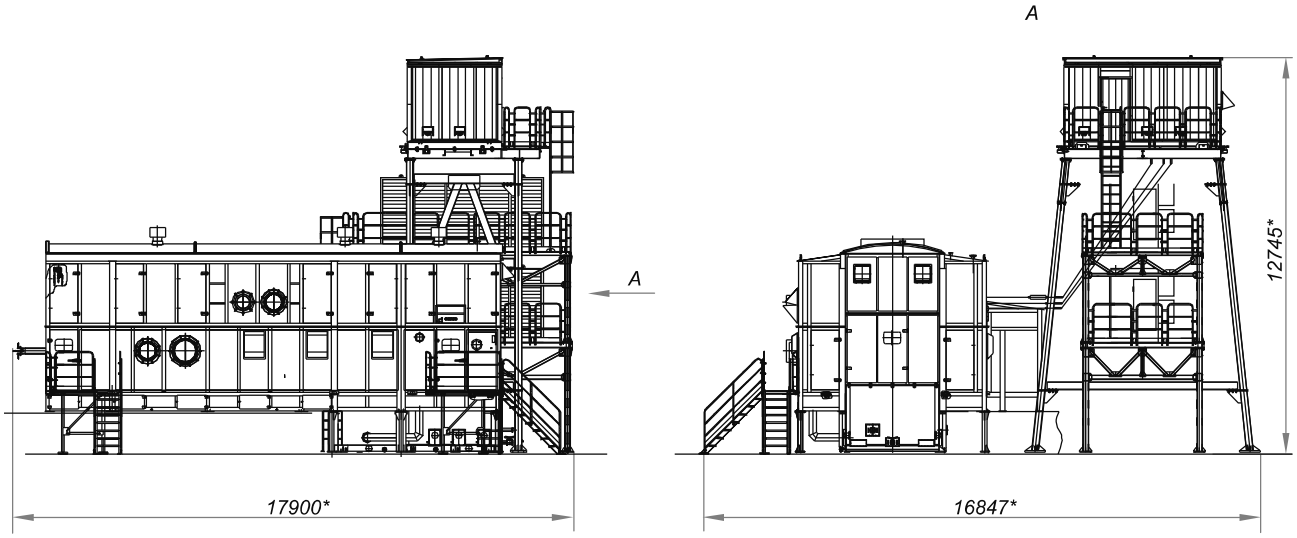


The characteristics are designed for the following conditions:

Discharge pressure, MPa	*29.678*
Suction temperature, °C	*55.0*
*Gas constant, J/(kg*deg)*	*482.9*

Compressor Modules

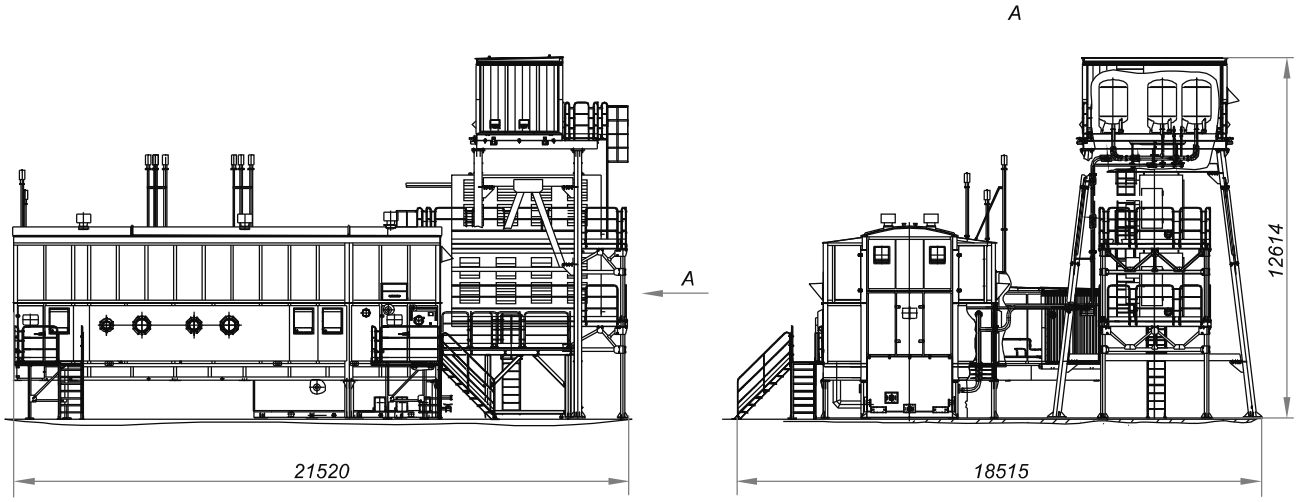
Compressor Module with Compressors of 244GC2 and 204GC2 types



Technical parameters		
Climatic modification		«U1»
Flow rate capacity (0.101 MPa & +20°C)	MMSCMD	16,56...2,179*
Pressure at the compressor suction (for cases of the exhausted well pressure), abs.	MPa	5,25...0,65
Pressure at the compressor discharge, abs.	MPa	7,65*
Pressure ratio, design		1,46...11,77*
Engine type	Gas-turbine NK-16-18ST	
Compressor type	244GC2-220/20,5-44M12456(LPC) 204GC2-100/44-75M1245(HPC)	
Unit weight (dry) in the scope of supply, max	kg	170000

*The parameters are achieved due to the installation of additional removable rotor bundles 244GC2-220/7.5-26M12456 and 204GC2-80/29-75M1245

Compressor Module with Compressors of 203GC2 type



Technical parameters		
Climatic modification		«U1»
Flow rate capacity (0.101 MPa & +20°C)	MMSCMD	5,798...2,734*
Pressure at the compressor suction (for cases of the exhausted well pressure), abs.	MPa	3,73...0,89
Pressure at the compressor discharge, abs.	MPa	7,65*
Pressure ratio, design		8,59...2,05*
Engine type	Gas-turbine NK-16-18ST	
Compressor type	203GC2-210/10-30M12345(LPC) 203GC2-73/29-78M12456(HPC)	
Unit weight (dry) in the scope of supply, max	kg	155000

*The parameters are achieved due to the installation of removable rotor bundle HPC 203GC2-175/25-78M12345

Certificates and Approvals

Certificates of compliance:

- Certificate of quality management system compliance with ISO 9001:2015 standard;
- Certificate of compliance of industrial health and safety management system with ISO 45001:2018 standard;
- Certificate of compliance of environmental protection management system with ISO 14001:2015 standard.
- Certificates of conformity with API 617, API 614 for centrifugal compressors with lubrication systems and shaft seals;
- Certificate of conformity with ASME Section VIII Div 2, Div 2 for pressure vessels.