Compressors XAS 186 C3
AML: Principal Data

Reference conditions

1.Absolute inlet pressure	bar	1
2.Relative air humidity	%	0
3.Air inlet temperature	°C	20
4.Normal effective working pressure	bar	7

The inlet conditions are specified at the air inlet grating outside the canopy

Limitations

1.Minimum effective receiver pressure	bar	4
2.Maximum effective receiver pressure, compressor unloade	bar	8.5
3.Maximum ambient temperature at sea level	°C	50
4.Minimum starting temperature	°C	-10
5.Minimum starting temperature, with coldstart equipment	°C	-20
6.Altitude capability	m	See Curve Below

Performance data [1)]

1.Engine shaft speed, normal and maximum	r/min	2300
2.Engine shaft speed, compressor unloaded	r/min	1700
3.Free air delivery[2)]	l/s	185
4.Fuel consumption:		
- at 100% FAD	kg/h	17.4
- at 75% FAD	kg/h	(5)
- at 50% FAD	kg/h	(5)
- at 25% FAD	kg/h	(5)
- at unload	kg/h	(5)
5.Specific fuel consumption at 100% FAD	g/m³	26.1
6.Typical oil content of compressed air	mg/m³	<5
7.Engine oil consumption (maximum)	g/h	17.4
8.Compressed air temperature at outlet valves	°C	90
9.Noise level		
- Sound pressure level (Lp), measured according to		ISO 2151
under free field conditions at 7 m distance	dB(A)	71
- Sound power level (Lw) complies with 2000/14/EC	dB(A)	99

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Design data

Compressor

1.Number of compression stages		1

Engine

1.Make		Deutz
2.Type		TCD2012L04
3.Coolant		PARCOOL EG
4.Number of cylinders		4
5.Bore	mm	101
6.Stroke	mm	126
7.Swept volume	l	4.036
8.Output according to DIN/ISO 3046 IFN at normal shaft spe	kW	83
- Load factor	%	65
9.Capacity of oil sump :		
- Initial fill	l	8.5
- Refill (max.) ....(4)	l	8
10.Capacity of cooling system	l	14

Unit

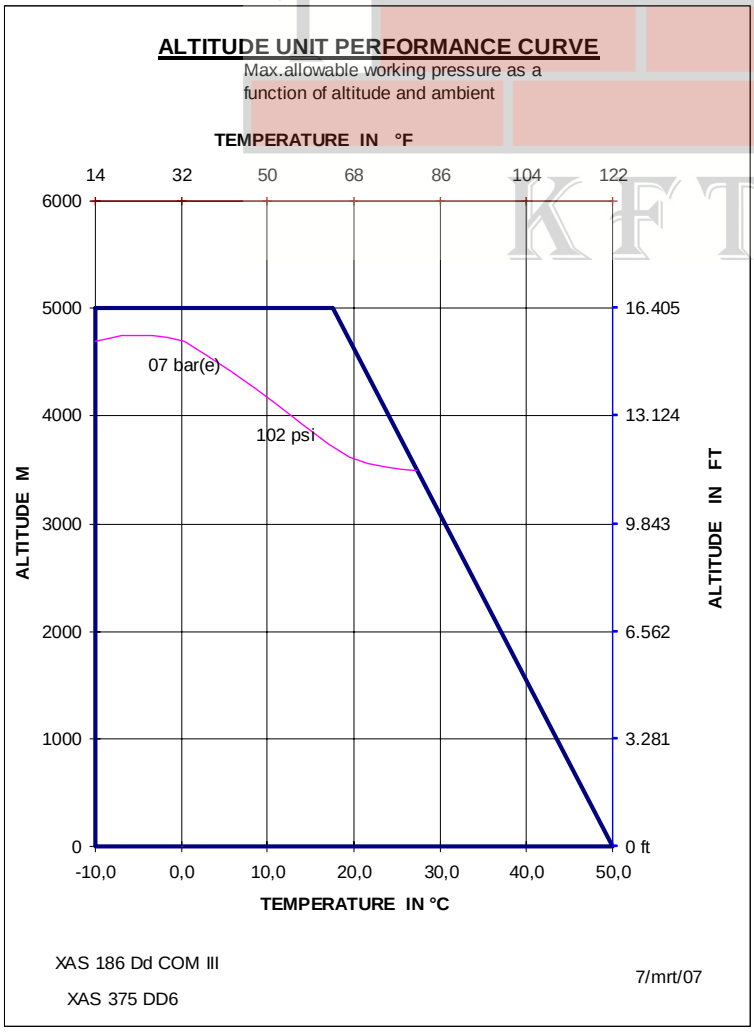
1.Capacity of compressor oil system	l	23.5
2.Net capacity of air receiver	l	42
3.Capacity of fuel tanks	l	175
4.Air volume at inlet grating (approx;)3)	m³/s	3.9

1) At reference conditions, if applicable, and at normal shaft speed unless otherwise stated

2)Data	measured according	Tolerance
Free air delivery	ISO 1217 ed. 3 1996 annex D	+/- 5% 25l/s<FAD<250l/s +/- 4% 250l/s <FAD

The international standard ISO 1217 corresponds to following national standards:
- British BSI 1571 part 1
- German DIN 1945 Part 1
- Swedish SS-ISO 1217
- American ANSI PTC9

3) Air required for engine and compressor cooling, combustion and for compression
4) with filter change.
5) no fuelcosumption data available from engine supplier
6) with aftercooler: max.ambient 47°C, FAD: 181 l/s, compr. air temp. at outlet valve a+9°C



Compressors XAS 375 DD6
AML: Principal Data

Reference conditions

1.Absolute inlet pressure	psi	14.5
2.Relative air humidity	%	0
3.Air inlet temperature	°F	68
4.Normal effective working pressure	psi	102

The inlet conditions are specified at the air inlet grating outside the canopy

Limitations

1.Minimum effective receiver pressure	psi	58
2.Maximum effective receiver pressure, compressor unloaded	psi	123
3.Maximum ambient temperature at sea level	°F	122
4.Minimum starting temperature	°F	14
5.Minimum starting temperature, with coldstart equipment	°F	-4
6.Altitude capability	ft	See Curve Below

Performance data [1)]

1.Engine shaft speed, normal and maximum	r/min		2300
2.Engine shaft speed, compressor unloaded	r/min		1700
3.Free air delivery [2)]	cfm		392
4.Fuel consumption:			
- at 100% FAD	lb/h		38.36
- at 75% FAD	lb/h		(5)
- at 50% FAD	lb/h		(5)
- at 25% FAD	lb/h		(5)
- at unload	lb/h		(5)
5.Specific fuel consumption at 100% FAD		lb/1000cu ft	1.63
6.Typical oil content of compressed air		oz/1000cu ft	<0,005
7.Engine oil consumption (maximum)	oz/h		0.61
8.Compressed air temperature at outlet valves	°F		194
9.Noise level			
- Sound pressure level (Lp), measured according to			ISO 2151
under free field conditions at 23 ft distance	dB(A)		71
- Sound power level (Lw) complies with 2000/14/EC	dB(A)		99

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Design data

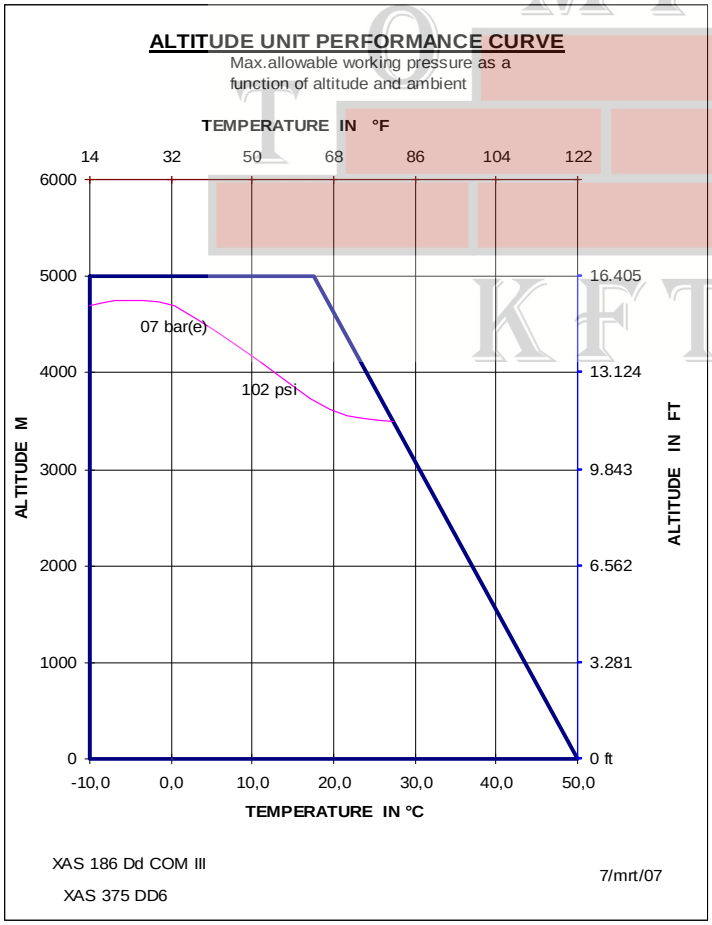
Compressor		
1.Number of compression stages		1
Engine		
1.Make		Deutz
2.Type		TCD2012L04
3.Coolant		Water
4.Number of cylinders		4
5.Bore	in	3.98
6.Stroke	in	4.96
7.Swept volume	cu in	246.27672
8.Output according to DIN/ISO 3046 IFN at normal shaft speed	BHP	111
- Load factor	%	65
9.Capacity of oil sump :		
- Initial fill	us gallon	2.25
- Refill (max.) ....(4)	us gallon	2.11
10.Capacity of cooling system	us gallon	3.70
Unit		
1.Capacity of compressor oil system	us gallon	6.21
2.Net capacity of air receiver	us gallon	11.10
3.Capacity of fuel tanks	us gallon	46
4.Air volume at inlet grating (approx;) 3)	cu ft/s	138

1) At reference conditions, if applicable, and at normal shaft speed unless otherwise stated

2)Data	measured according	Tolerance
Free air delivery	ISO 1217 ed. 3 1996 annex D	+/- 5% 53cfm<FAD<530 cfm +/- 4% 530cfm <FAD

The international standard ISO 1217 corresponds to following national standards:
- British BSI 1571 part 1
- German DIN 1945 Part 1
- Swedish SS-ISO 1217
- American ANSI PTC9

3) Air required for engine and compressor cooling, combustion and for compression
4) with filter change.
5) no fuelcosumption data available from engine supplier
6) with aftercooler: max.ambient 114°F, FAD: 384 cfm, compr. air temp. at outlet valve a+48°F



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