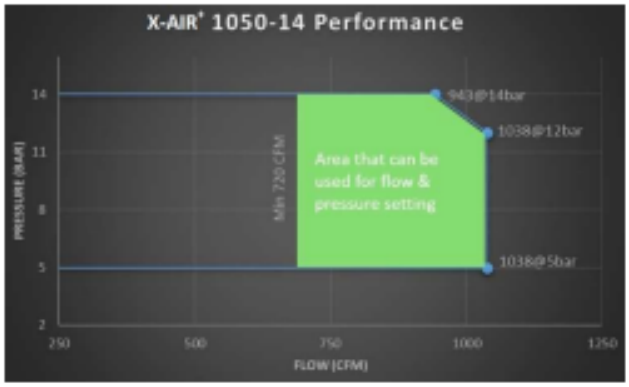
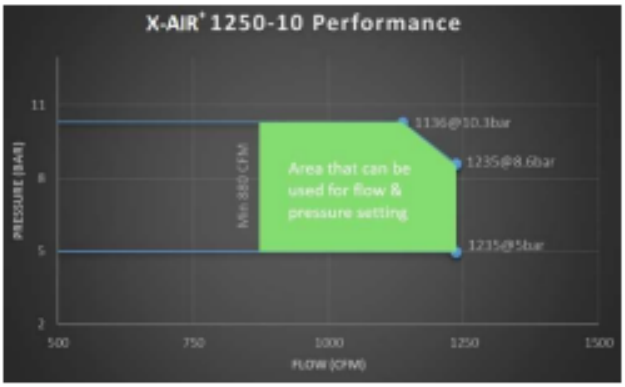
X-AIR1250-10 AIR COMPRESSOR

1250CFM DIESEL AIR COMPRESSOR OIL INJECTED (10BAR)

Pressures and Flow









Main data

Model		X-Air® 1250-10		X-Air® 1050-14		DrillAir X-Air® 900-25			DrillAir X-Air® 1100-25	
Normal effective working pressure	bar	5 - 10.3		5 - 14		16 - 25			16 - 25	
Absolute inlet pressure	bar	1		1		1			1	
Relative air humidity	%	0		0		0			0	
Air inlet temperature	°C	20		20		20			20	
Minimum effective receiver pressure	bar	4		4		15			15	
Maximum effective receiver pressure (Unloaded)	bar	10.3		14		25			25	
Actual free air delivery	l/s	583 - 536		490 - 445		418 - 358			517 - 476	
Fuel consumption		8.6 bar	10.3 bar	12 bar	14 bar	17 bar	20 bar	25 bar	20 bar	25 bar
at 100% FAD (full load)	kg/h	46.60	45.80	45.93	44.62	46.08	44.82	44.30	57.10	57.48
at 75% FAD	kg/h	37.14	34.83	37.70	39.58	36.00	36.56	36.50	45.72	46.45
at 50% FAD	kg/h	28.77	30.39	30.36	32.80	26.82	28.36	31.18	33.96	36.22
at 25% FAD	kg/h	23.49	25.59	26.80	28.52	20.30	21.96	25.18	25.20	28.66
at unload	kg/h	19.74	22.82	24.23	27.24	17.42	19.62	24.00	18.74	23.37
at No load	kg/h	8.80	8.80	7.55	7.55	10.28	10.28	10.28	9.09	9.21
Specific fuel consumption at 100% FAD	g/m³	22.20	23.74	26.04	27.85	30.62	31.52	34.37	30.70	33.54
Maximum typical oil content of compressed air	mg/m³	5		5		5			5	
Max. sound power level (Lw @ 2000/14/EC)	dB(A)	106		106		107			107	
Max. sound pressure level(Lp -7m @ ISO 2151)	dB(A)	76.3		76.3		77.3			77.3	
Compressed air temperature at outlet valve	°C	100		100		100			100	
Max. ambient temperature at sea level without aftercooler	°C	50		50		50			50	
Min. starting temperature with cold weather equipment	°C	-25		-25		-25			-25	
Min. starting temperature without cold weather eqp	°C	-10		-10		-10			-10	
Number of compression stages		1		1		2			2	

Disclaimer: Specifications are indicative only and may vary between model years or individual units. For equipment hire, we will supply the same or an equivalent model that is fit for the disclosed purpose.

X-AIR1250-10 AIR COMPRESSOR

1250CFM DIESEL AIR COMPRESSOR OIL INJECTED (10BAR)

		X-Air® 1250-10	X-Air® 1050-14	DrillAir X-Air® 900-25	DrillAir X-Air® 1100-25
Engine		Caterpillar	Caterpillar	Caterpillar	Caterpillar
Type		C9.3B LRC	C9.3B LRC	C9.3B LRC	C9.3B LRC
Emission stage		Stage IIIA	Stage IIIA	Stage IIIA	Stage IIIA
Coolant		Liquid	Liquid	Liquid	Liquid
Number of cylinders		6	6	6	6
Bore	mm	115	115	115	115
Stroke	mm	149	149	149	149
Swept volume	l	9.3	9.3	9.3	9.3
Engine power at normal shaft speed @ SAE J 1995	kW	250	250	250	280
Full Load	rpm	2200	2200	2200	2200
Unload	rpm	1300	1300	1300	1300
Capacity of oil sump	l	30	30	30	30
Capacity of cooling system	l	64	64	64	68
Capacity of compressor oil system	l	75	75	75	75
Net capacity of air receiver	l	164	164	158	158
Air volume at inlet grating (approx.)	m3/s	13.1	13.1	13.1	14.6
Capacity of standard fuel tanks	l	796	796	796	796
Dimensions: support mounted (L x W x H)	mm	4063 x 2140 x 2305	4063 x 2140 x 2305	4063 x 2140 x 2305	4063 x 2140 x 2305
Weight - Wet	kg	5200	5200	5200	5500
Dimensions: undercarriage (L x W x H)	mm	6125 x 2140 x 2480	6125 x 2140 x 2480	6125 x 2140 x 2480	6125 x 2140 x 2480
Weight - Wet	kg	5700	5700	5700	6000

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