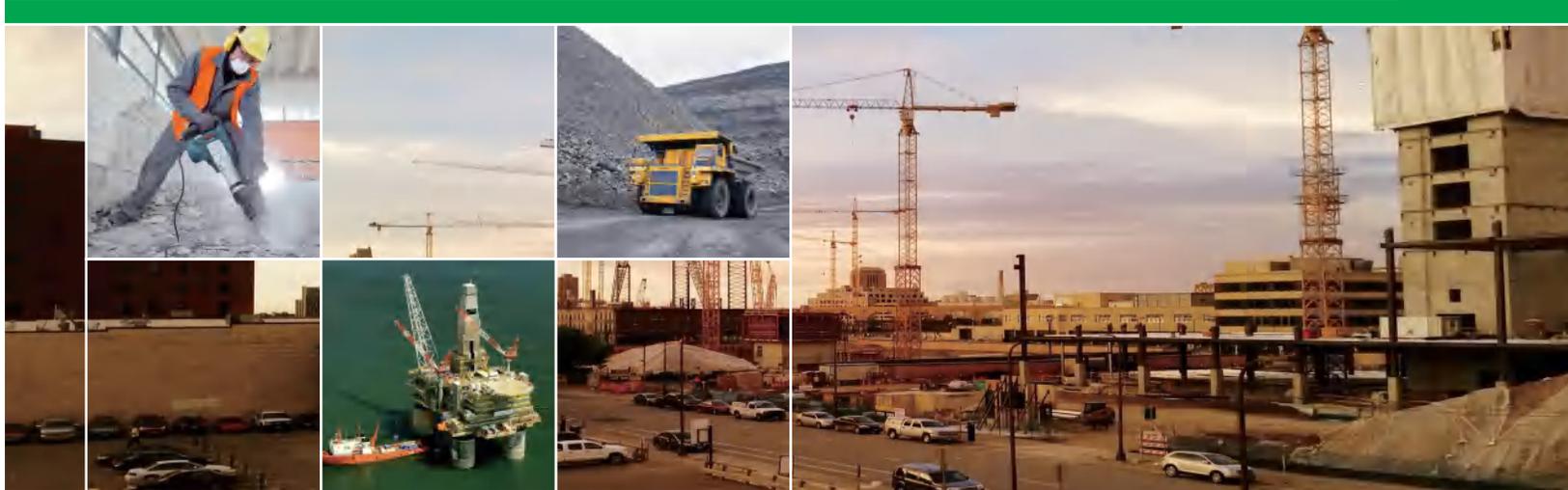


Portable Rotary Screw Air Compressors

Capacities from 177 to 1638 cfm, 5.00 to 46.38 m³/min
Pressures from 102 to 508 psi(g), 7 to 35 bar(g)



DACY SERIES

Denair diesel portable screw air compressors are widely used in all kinds of heavy duty industries, such as mining, hydropower, oil and gas exploitation, borehole, shipyard, construction, chemical industry, quarry, sandblasting, pipeline pressure test, public works, etc. Free air delivery 5.00~46.38 m³/min working pressure 7~35bar make these compressors fit for almost any application.



PORTABLE ROTARY SCREW AIR COMPRESSORS

Features and advantages



Diesel Engine

Heavy Duty and Less Fuel Consumption compared to similar engine designs, better in durability and longevity.



Chassis

Damped chassis and wear resistant type.



Compressor Shell

Shell is made of thickness 2mm cold-roll steel sheets with special flame-retardant sound-proof material.



State-of-the-art Screw Element

- Original DENAIR air end
- Advanced SAP profile design
- The material of the rotors is American specialty steel
- Superior Sweden SKF element bearings



Superior Air Filter and Oil Filter

- Superior air filter with two-stage dust removal and filtering system with efficiency of up to 99.9% even in heavy-duty environments
- Extends the service life of the compressor parts and components, ensures high air quality
- Quality oil filter with excellent oil purification capability ensures a clean and safe oil system
- Long service period and easy filter change reduce maintenance costs.



Skid mounted type is available

Technical parameters

Type		DACY0507A	DACY0507B	DACY0707	DACY0710	DACY1008
Machine						
Free air delivery*	m ³ /min	5.00	5.00	7.50	7.00	10.00
	cfm	185	185	265	247	375
Normal working pressure	bar(g)	7	7	7	10	8
	psi(g)	102	102	102	145	116
Maximum design pressure	bar(g)	7	7	7	10	8
	psi(g)	102	102	102	145	116
Dimensions(without towbar)	L(mm)	2210	2210	3020	3020	3240
	W(mm)	1450	1450	1650	1650	1880
	H(mm)	1365	1365	1730	1730	2100
Weight	kg	900	900	1300	1300	1800
Wheel qty		2	2	2	2	2
Size and No. of outlet valve		G 3/4**3	G 3/4**3	G 3/4**2 G 1**1	G 3/4**2 G 1**1	G 3/4**1 G 1-1/2**1
Diesel engine						
Manufacturer		Yanmar	Weichai	Yanmar	Yanmar	Cummins
Model		4TNV94L	WP3.2G61E347	4TNV98T	4TNV98T	QSB3.9-C110-31
Rated power	kW	34.6	45	64	64	81
	hp	47	60	80	80	110
Type		Turbocharging, Charge air cooling				
Bore*Stroke*No. of cylinders	mm	94*110*4	98*105*4	98*110*4	98*110*4	102*120*4
Engine speed (nominal)	RPM	2400	2400	2400	2400	2500
Engine speed (unloaded)	RPM	1700	1750	1800	1800	1700
Engine oil capacity	L	7	8.6	12	12	11
Coolant capacity	L	8	8	15.5	15.5	28
Storage battery current CCA		680	670	830	830	720
Fuel tank capacity	L	70	70	100	100	160
Compressor						
Compressed air vessel capacity	L	30	30	45	45	90
Lubricant capacity	L	15	15	25	25	40
Type		DACY0810	DACY0908	DACY1010	DACY1207	DACY1013
Machine						
Free air delivery*	m ³ /min	8.5	9.00	10.00	12.00	10.00
	cfm	300	320	375	425	375
Normal working pressure	bar(g)	10	8	10	7	13
	psi(g)	145	116	145	102	189
Maximum design pressure	bar(g)	10	8	10	7	13
	psi(g)	145	116	145	102	189
Dimensions(without towbar)	L(mm)	3360	3360	3240	3240	3240
	W(mm)	2010	2010	1880	1880	1880
	H(mm)	2050	2050	2100	2100	2100
Weight	kg	2000	2000	1800	1800	1800
Wheel qty		2	2	2	2	2
Size and No. of outlet valve		Rp 1-1/2**1 Rp1**2	Rp 1-1/2**1 Rp1**2	G 1-1/2**1 G 3/4**1	G 1-1/2**1 G 3/4**1	G 1-1/2**1 G 3/4**1
Diesel engine						
Manufacturer		Cummins	Cummins	Cummins	Cummins	Cummins
Model		4BTA3.9-C100- II	4BTA3.9-C100- II	QSB3.9-C130-32	QSB3.9-C130-32	QSB3.9-C150-31
Rated power	kW	74	74	97	97	110
	hp	100	100	130	130	150
Type		Turbocharging, Charge air cooling				
Bore*Stroke*No. of cylinders	mm	102*120*4	102*120*4	102*120*4	102*120*4	102*120*4
Engine speed (nominal)	RPM	2100	2200	2500	2250	2300
Engine speed (unloaded)	RPM	1400	1400	1700	1700	1700
Engine oil capacity	L	15	15	11	11	11
Coolant capacity	L	30	30	27	27	27
Storage battery current CCA		670	670	720	720	720
Fuel tank capacity	L	126	126	160	160	160
Compressor						
Compressed air vessel capacity	L	100	100	90	90	90
Lubricant capacity	L	40	40	40	40	40
Type		DACY1110	DACY1208	DACY1313	DACY1610	DACY1708
Machine						
Free air delivery*	m ³ /min	11.00	12.00	13.00	16.00	17.00
	cfm	400	425	460	565	600
Normal working pressure	bar(g)	10	8	13	10	8
	psi(g)	145	116	189	145	116
Maximum design pressure	bar(g)	10	8	13	10	8
	psi(g)	145	116	189	145	116
Dimensions(without towbar)	L(mm)	3240	3240	3500	3500	3500
	W(mm)	1880	1880	2050	2050	2050
	H(mm)	2100	2100	2300	2300	2300
Weight	kg	1800	1800	2400	2400	2400
Wheel qty		2	2	2	2	2
Size and No. of outlet valve		G 1-1/2**1 G 3/4**1	G 1-1/2**1 G 3/4**1	G 1-1/2**1 G 3/4**1	G 1-1/2**1 G 3/4**1	G 1-1/2**1 G 3/4**1
Diesel engine						
Manufacturer		Cummins	Cummins	Cummins	Cummins	Cummins
Model		QSB3.9-C150-31	QSB3.9-C150-31	QSB5.9-C190-31	QSB5.9-C190-31	QSB5.9-C190-31
Rated power	kW	110	110	142	142	142
	hp	150	150	190	190	190
Type		Turbocharging, Charge air cooling				
Bore*Stroke*No. of cylinders	mm	102*120*4	102*120*4	102*120*6	102*120*6	102*120*6
Engine speed (nominal)	RPM	2300	2300	2100	2200	2200
Engine speed (unloaded)	RPM	1700	1700	1400	1400	1400
Engine oil capacity	L	11	11	18	18	18
Coolant capacity	L	27	27	45	45	45
Storage battery current CCA		720	720	2*760	2*760	2*760
Fuel tank capacity	L	160	160	240	240	240
Compressor						
Compressed air vessel capacity	L	90	90	112	112	112
Lubricant capacity	L	40	40	50	50	50

*) Free air delivery in accordance with ISO 1217 : 2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20°C.
Note: Skid-mounted type is available.

Specifications are subject to change without notice.

Type		DACY1320	DACY1518	DACY2114	DACY2013	DACY2110
Machine						
Free air delivery*	m ³ /min	13.00	15.00	21.00	20.00	21.00
	cfm	460	530	750	710	750
Normal working pressure	bar(g)	20	18	14	13	10
	psi(g)	290	261	203	189	145
Maximum design pressure	bar(g)	20	18	14	13	10
	psi(g)	290	261	203	189	145
Dimensions(without towbar)	L(mm)	3500	3500	4230	4230	4230
	W(mm)	2050	2050	1850	1850	1850
	H(mm)	2300	2300	2280	2280	2280
Weight	kg	2700	3000	4000	4000	4000
Wheel qty		2	2	4	4	4
Size and No. of outlet valve		G 1-1/2**1 G 3/4**1	G 1-1/2**1 G 3/4**1	G 2**1 G 3/4**1	G 2**1 G 3/4**1	G 2**1 G 3/4**1
Diesel engine						
Manufacturer		Cummins	Cummins	Cummins	Cummins	Cummins
Model		QSB5.9-C210-30	QSC5.9-C210-30	QSC8.3-C260-30	QSC8.3-C260-30	QSC8.3-C260-30
Rated power	kW	154	154	194	194	194
	hp	210	210	260	260	260
Type		Turbocharging, Charge air cooling				
Bore*Stroke*No. of cylinders	mm	102*120*6	102*120*6	114*135*6	114*135*6	114*135*6
Engine speed (nominal)	RPM	2000	1950	2000	2050	2100
Engine speed (unloaded)	RPM	1400	1400	1400	1400	1400
Engine oil capacity	L	18	18	24	24	24
Coolant capacity	L	45	45	45	45	45
Storage battery current CCA		2*760	2*760	2*830	2*830	2*830
Fuel tank capacity	L	250	250	380	380	380
Compressor						
Compressed air vessel capacity	L	112	112	130	130	130
Lubricant capacity	L	60	60	75	75	75
Type		DACY2508	DACY2214	DACY2710	DACY2712	DACY2220
Machine						
Free air delivery*	m ³ /min	25.00	22.00	27.00	27.00	22.00
	cfm	885	780	950	950	780
Normal working pressure	bar(g)	8	14	10	12	20
	psi(g)	116	203	145	174	290
Maximum design pressure	bar(g)	8	14	10	12	20
	psi(g)	116	203	145	174	290
Dimensions(without towbar)	L(mm)	4230	4380	4380	4695	4695
	W(mm)	1850	1980	1980	2300	2300
	H(mm)	2280	2688	2688	2750	2750
Weight	kg	4000	4500	4500	5500	5500
Wheel qty		4	4	4	4	4
Size and No. of outlet valve		G 2**1 G 3/4**1	G 1**1 G 2**1	G 1**1 G 2**1	G 1**1 G 2**1	G 1**1 G 2**1
Diesel engine						
Manufacturer		Cummins	Cummins	Cummins	Cummins	Cummins
Model		QSC8.3-C260-30	6LTAA8.9-C325- II	6LTAA8.9-C325- II	6LTAA9.5-C360-30- II	6LTAA9.5-C360- II
Rated power	kW	194	239	239	264	264
	hp	260	325	325	360	360
Type		Turbocharging, Charge air cooling				
Bore*Stroke*No. of cylinders	mm	114*135*6	114*145*6	114*145*6	116.5*148*6	116.5*148*6
Engine speed (nominal)	RPM	2000	2150	2020	2200	2200
Engine speed (unloaded)	RPM	1400	1350	1350	1350	1350
Engine oil capacity	L	24	30	30	30	30
Coolant capacity	L	45	60	60	65	65
Storage battery current CCA		2*830	2*830	2*830	2*830	2*830
Fuel tank capacity	L	380	586	586	640	640
Compressor						
Compressed air vessel capacity	L	130	182	182	212	212
Lubricant capacity	L	75	110	110	120	120
Type		DACY3210	DACY3425	DACY4510	DACY3335	DACY3925
Machine						
Free air delivery*	m ³ /min	32.00	34.00	45.00	33.00	39.00
	cfm	1130	1200	1600	1160	1375
Normal working pressure	bar(g)	10	25	10	35	25
	psi(g)	145	363	145	508	363
Maximum design pressure	bar(g)	10	25	10	35	25
	psi(g)	145	363	145	508	363
Dimensions(without towbar)	L(mm)	4695	4275	4295	5100	5100
	W(mm)	2300	2100	2160	2200	2200
	H(mm)	2750	2205	2953	2870	2870
Weight	kg	5500	6000	6000	7000	7000
Wheel qty		4	4	4	4	4
Size and No. of outlet valve		G 1**1 G 2**1	G 2**1 G 3/4**1	G 1**1 G 3**1	G 2**1 G 3/4**1	G 1**1 G 3/4**1
Diesel engine						
Manufacturer		Cummins	Cummins	Cummins	Cummins	Cummins
Model		6LTAA9.5-C360- II	QSZ13-C550-30	QSZ13-C550- II	KTA19-C700	KTA19-C700
Rated power	kW	264	410	410	522	522
	hp	360	550	550	700	700
Type		Turbocharging, Charge air cooling				
Bore*Stroke*No. of cylinders	mm	116.5*148*6	130*163*6	130*163*6	159*159*6	159*159*6
Engine speed (nominal)	RPM	2200	1750	1850	1800	1900
Engine speed (unloaded)	RPM	1350	1350	1300	1300	1300
Engine oil capacity	L	30	40	46	35	35
Coolant capacity	L	65	75	85	100	100
Storage battery current CCA		2*830	2*930	2*930	92*30	2*930
Fuel tank capacity	L	640	800	558	1000	1000
Compressor						
Compressed air vessel capacity	L	212	190	247	300	300
Lubricant capacity	L	120	150	150	180	180

*) Free air delivery in accordance with ISO 1217 : 2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20°C.
Note: Skid-mounted type is available.



Denair Energy Saving Technology (Shanghai) Plc.

No. 6767, Tingfeng Rd., Jinshan District,
Shanghai 201502, China
Tel.: +86 21 3783 1829
Fax: +86 21 6040 5929

info@denair.net
www.denair.net

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Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.