

DENAIR[®]

Mobile Screw Air Compressor Series Drill Rig Series



Energy Saving First
Mutual Value Shared



Mobile Screw Compressor Series

Technical Parameters of Diesel Mobile Screw Compressor

Model	DACY-3.2/8	DACY-5.3/7	DACY-5/10	DACY-6/7	DACY-7.5/7	DACY-8.5/10	DACY-9/7	DACY-10/8	DACY-10/13	DACY-11/10	DACY-11/13	DACY-12/7	DACY-12/10	DACY-12/13	
Machine															
Free Air Delivery	m ³ /min	3.2	5.3	5.0	6.0	7.5	8.5	9.0	10.0	10.0	11	11	12	12	12
	CFM	115	190	177	212	265	300	318	353	353	388	388	424	424	424
Normal Working Pressure	bar(e)	8	7	10	7	7	10	7	8	13	10	13	7	10	13
	psig	116	102	145	102	102	145	102	116	189	145	189	102	145	189
Weight(kg)		1000	1600	1600	1600	1600	1800	1800	1800	2050	2050	3600	2050	2050	3600
Dimensions (without towbar)	L(mm)	2100	2300	2300	2300	2300	2600	2440	2440	3270	3270	3575	3270	3270	3400
	W(mm)	1500	1790	1790	1790	1790	1910	1910	1910	1910	1910	1700	1910	1910	1700
	H(mm)	1360	1580	1580	1580	1580	2015	1920	1920	2080	2080	2320	1950	2080	2320
Wheel Qty		2	2	2	2	2	2	2	2	2	2	4	2	2	4
Size * No. of Air Outlet Valve		G 1/2**1 G 1**1	G 3/4**1 G 1-1/4**1	G 3/4**1 G 1-1/4**1	G 3/4**1 G 1-1/4**1	G 3/4**1 G 1-1/4**1	G 1**1 G 1-1/4**1	G 1**1 G 1-1/2**1	G 1**1 G 1-1/2**1	G 1**1 G 1-1/2**1	G 1**1 G 1-1/2**1	G 1**1 G 2-1/2**1	G 1**1 G 1-1/2**1	G 1**1 G 1-1/2**1	G 1**1 G 2-1/2**1
Diesel Engine															
Manufacturer	Yangdong	Cummins													
Model	YSD490G	4BT3.9-C80					4BTA3.9-C125	4BTA3.9-C100		6BT5.9-C150		6BTA5.9-C180	6BT5.9-C150		6BTA5.9-C180
Type	Vertical, in-line, Water-cooled, 4-stroke, Direct injection														
Bore*Stroke(mm)*No. of Cylinders	90*100*4	102*120*4	102*120*4	102*120*4	102*120*4	102*120*4	102*120*4	102*120*4	102*120*4	102*120*6	102*120*6	102*120*6	102*120*6	102*120*6	102*120*6
Engine Speed(nominal)(RPM)	2400	2200	2400	2200	2200	2200	2200	2200	2200	2300	2300	2500	2500	2300	2500
Engine speed(unloaded)(RPM)	1500	1400	1500	1400	1400	1400	1400	1500	1500	1400	1400	1500	1400	1400	1500
Rated Power	KW	32	60	60	60	60	93	74	74	110	110	132	112	110	132
	HP	53	80	80	80	80	125	100	100	150	150	180	150	150	180
Engine Oil Capacity(L)	6.5	11	11	11	11	12	12	12	12	14	14	20	14	14	20
Coolant Capacity(L)	20	25	25	25	25	30	30	30	30	30	30	50	30	30	50
Fuel Tank Capacity(L)	55	105	85	105	105	125	100	100	100	130	130	360	130	130	360
Storage Battery Voltage and Current	12 V 75Ah	24 V 120Ah	24 V 120Ah	24 V 120Ah	24 V 120Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah
Compressor															
No. of Compression Stage	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Compressed air vessel capacity(L)	24	43	43	43	43	100	80	80	110	110	190	110	110	110	190
Lubricant Capacity(L)	20	30	30	30	30	50	50	50	50	58	58	80	58	50	80

Model	DACY-13/8	DACY-13/13	DACY-15.5/10	DACY-15/13	DACY-15/16	DACY-15/18	DACY-17/7	DACY-17/8	DACY-17/13	DACY-17/14.5	DACY-17/16	DACY-18/18	DACY-19/14.5	
Machine														
Free Air Delivery	m ³ /min	13	13	15.5	15.0	15	15	17	17	17	17	17	18	19
	CFM	460	460	547	530	530	530	600	600	600	600	600	636	671
Normal Working Pressure	bar(e)	8	13	10	13	16	18	7	8	13	14.5	16	18	14.5
	psig	116	189	145	189	232	261	102	116	189	210	232	261	210
Weight(kg)		2050	3600	3600	3600	4000	3500	3600	3600	4000	3500	3500	3300	3300
Dimensions (without towbar)	L(mm)	3270	3400	3400	3400	3390	3555	3400	3400	3390	3555	3555	4225	4225
	W(mm)	1910	1700	1700	1700	1700	1750	1700	1700	1700	1750	1750	1980	1980
	H(mm)	2080	2320	2320	2320	2640	2660	2320	2320	2640	2660	2660	2690	2690
Wheel Qty		2	4	4	4	4	4	4	4	4	4	4	4	4
Size * No. of Air Outlet Valve		G 1" *1 G 1-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2-1/2" *1
Diesel Engine														
Manufacturer	Cummins													
Model	6BT5.9-C150	6BTA5.9-C180			6CTA8.3-C215	6CTA8.3-C260	6BTA5.9-C180		6CTA8.3-C215	6CTA8.3-C260		6LTA8.9-C325		
Type	Vertical, in-line, Water-cooled, 4-stroke, Direct injection													
Bore*Stroke(mm)*No. of Cylinders	102*120*6	102*120*6	102*120*6	102*120*6	114*135*6	114*135*6	102*120*6	102*120*6	114*135*6	114*135*6	114*135*6	114*145*6	114*145*6	
Engine Speed(nominal)(RPM)	2300	2500	2500	2500	2200	2200	2500	2200	2200	2200	2200	2200	2200	
Engine speed(unloaded)(RPM)	1400	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
Rated Power	KW	110	132	132	132	160	194	132	132	160	194	194	239	239
	HP	150	180	180	180	215	260	180	180	215	260	260	325	325
Engine Oil Capacity(L)	14	20	20	20	25	25	20	20	25	25	25	28	28	
Coolant Capacity(L)	30	50	50	50	60	75	50	50	60	75	75	55	55	
Fuel Tank Capacity(L)	130	360	360	360	370	390	360	360	370	390	390	590	590	
Storage Battery Voltage and Current	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 165Ah	24 V 165Ah	24 V 135Ah	24 V 135Ah	24 V 135Ah	24 V 165Ah	24 V 165Ah	24 V 180Ah	24 V 180Ah	
Compressor														
No. of Compression Stage	1	1	1	1	1	1	1	1	1	1	1	1	1	
Compressed air vessel capacity(L)	110	190	190	190	180	180	190	190	190	190	180	200	200	
Lubricant Capacity(L)	58	80	80	80	100	120	80	80	100	120	120	110	110	

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Model	DACY-19/16	DACY-20/16	DACY-21/8	DACY-22/20	DACY-22.5/14	DACY-25.5/20	DACY-27/10	DACY-32/10	DACY-33/35	DACY-34/25	DACY-39/25	
Machine												
Free Air Delivery	m ³ /min	19	20	21	22	22.5	25.5	27	32	33	34	39
	CFM	671	706	742	777	795	900	953	1130	1165	1200	1377
Normal Working Pressure	bar(e)	16	16	8	20	14	20	10	10	35	25	25
	psig	232	232	116	290	203	290	145	145	508	363	363
Weight(kg)		3300	3300	4000	6500	3300	5500	3300	6500	7200	6000	7200
Dimensions (without towbar)	L(mm)	4225	4225	3390	4700	4225	4750	4225	4700	5000	4510	5000
	W(mm)	1980	1980	1700	2300	1980	2300	1980	2300	2200	2160	2200
	H(mm)	2690	2690	2640	2750	2690	2860	2690	2750	3000	3150	2200
Wheel Qty		4	4	4	4	4	4	4	4	4	4	4
Size * No. of Air Outlet Valve	G 1" *1 G 1-1/2" *1	G 1" *1 G 1-1/2" *1	G 1" *1 G 2-1/2" *1	G 1" *1 G 2" *1	G 1" *1 G 1-1/2" *1	G 1-1/2" *1 G 2" *1	G 1" *1 G 1-1/2" *1	G 1" *1 G 2" *1	G 1" *1 G 2" *2	G 1" *1 G 2" *2	G 2-1/2" *1	G 1" *1 G 2" *2
Diesel Engine												
Manufacturer	Cummins											
Model	6LTAA8.9-C325	6CTA8.3-C215	6L T A A 9.5-C360-II	6LTAA8.9-C325	EQR400-K2	6LTAA8.9-C325	EQR400-K2	KTA19-P680	KTA19-C600	KTA19-P680		
Type	Vertical, in-line, Water-cooled, 4-stroke, Direct injection											
Bore*Stroke(mm)*No. of Cylinders	114*145*6	114*145*6	114*135*6	116.5*148*6	114*145*6	123*156*6	114*145*6	123*156*6	159*159*6	159*159*6	159*159*6	
Engine Speed(nominal)(RPM)	2200	2200	2200	2200	2200	1900	2200	1900	2200	2200	2200	
Engine speed(unloaded)(RPM)	1500	1500	1500	1500	1500	1300	1500	1300	1500	1500	1500	
Rated Power	KW	239	239	160	264	239	294	239	294	522	448	522
	HP	325HP	325	215	360	325	400	325	400	680	600	680
Engine Oil Capacity(L)	28	28	25	30	28	36	28	36	59	47	59	
Coolant Capacity(L)	55	55	60	65	55	75	55	75	130	130	130	
Fuel Tank Capacity(L)	590	590	370	660	590	640	590	640	700	770	700	
Storage Battery Voltage and Current	24 V 180Ah	24 V 180Ah	24 V 165Ah	24 V 300Ah	24 V 180Ah	24 V 180Ah	24 V 180Ah	24 V 180Ah	24 V 300Ah	24 V 200Ah	24 V 300Ah	
Compressor												
No. of Compression Stage	1	1	1	2	1	2	1	1	2	2	2	
Compressed air vessel capacity(L)	220	220	190	135	200	140	220	135	175	158	175	
Lubricant Capacity(L)	110	110	100	115	110	100	110	115	140	120	140	