

Oil Free

Screw Air Compressor

Special For PET Bottle Blowing Machines

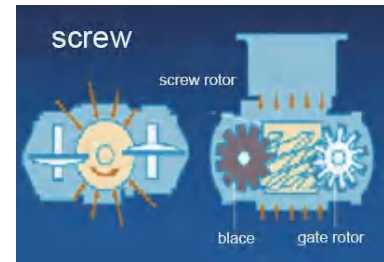
Capacities from 0.8 to 40.0 m³/min,
Pressures from: 20 - 40 bar(g)



Working principle and characteristics

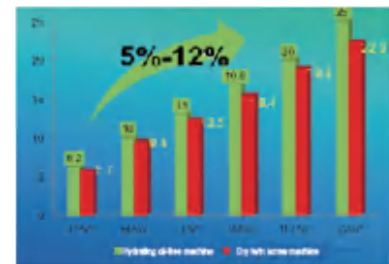
01 Simple construction Low vibration

The single screw air compressor uses a single screw and two star wheels, one placed on either side of the screw. Radial and axial loads cancel each other, resulting in a theoretically zero load. This is the most advanced designing structure of the single screw air compressor.



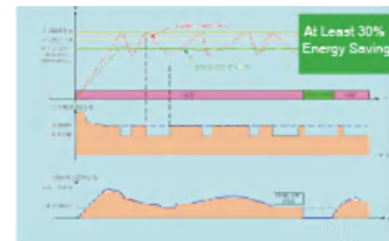
02 High efficiency

Firstly, single screw air compressor theoretically doesn't have any clearance volume. Secondly, the water used as a lubricating medium also seals gap inside the compression chamber, and enables high efficient operation at low speeds. Thirdly, using water as a cooling method keep compressor ideal isothermal compression.



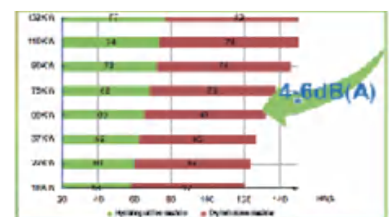
03 Energy saving

When the actual air usage is lower than rated air delivery, compressor consumes extra power without any air output during unloading. However, with inverter, compressor changes the rotary speed of motor depending on detected air pressure, resulting in energy saving.



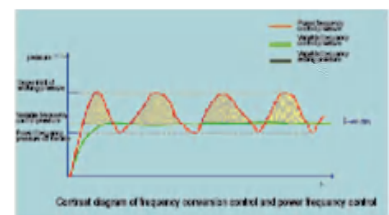
04 Less noise

First, the motor and screw are directly connected without any rotation gear to cause gear noise. Meanwhile, sound absorbing materials are also used in the equipment shell to reduce noise.



05 Stable air delivery

Depending on the value of pressure sensor, the digital controller change the motor rotation speed through inverter. That is how it controls the discharge air pressure to make stable air output.



06 Monitorable

Intelligent monitoring is used to prevent accidents. Emergency alarm appears on computers and short messages will also be sent to managers. All these are substantial to the prevention of production accidents.

Features and advantages



01

Host Component

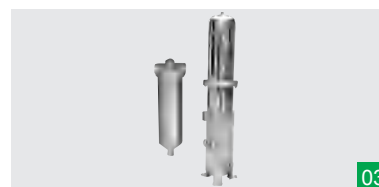
Imported stainless steel, copper alloy, good wear resistance, heat resistance and corrosion resistance.



02

Star wheel

With the use of imported polymers, the star wheels have good abrasion resistance, low noise and long service life.



03

Water filter

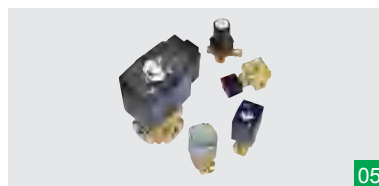
Medical stainless steel would ensure the entire system to be clean.



04

Water softener

To derive magnesium ions and calcium ion from water with the ion exchange principle to effectively prevent the host internal circulating water scale and extend the service life of the host.



05

Control valve and electrical equipment accessories

Adopt imported famous brand component to insure the equipment running stable.



06

Air water separator

Medical stainless steel would ensure the air to be clean and safe.

Technical Parameters

Model	Capacity FAD*		Maximum Working Pressure		Motor Power		Lubricated Water Capacity	Noise level**	Dimensions	Weight	Air Pipe Diameter	Cooling Water Capacity
	m ³ /min	cfm	bar(g)	psig	kW	hp	L/min	dB(A)	L*W*H(mm)	(kg)	Inch	T/h
DVAWH-55(W)	1.8-6.0	64-212	20	290	37+15	50+20	86	70	2900*1400*1700	2000	1"	12
DVAWH-60(W)			30	435	37+22	50+30	86	70	2900*1400*1700	2000	1"	12
DVAWH-65(W)			40	580	37+30	50+40	92	70	2900*1400*1700	2100	1"	15
DVAWH-75	3.0-10.0	106-353	20	290	55+22	75+30	110	73	3600*1750*2000	2400	1-1/4"	
DVAWH-90W			30	435	55+37	75+50	110	73	3500*1500*1730	2300	1-1/4"	17
DVAWH-110W			40	580	75+37	100+50	120	73	3500*1500*1730	2400	1-1/4"	20
DVAWH-110W	3.5-13.0	124-459	20	290	75+30	100+40	135	75	3500*1500*1730	2500	1-1/2"	22
DVAWH-120W			30	435	75+45	100+60	135	75	3500*1500*1730	2500	1-1/2"	22
DVAWH-135W			40	580	90+45	120+60	148	75	3500*1500*1730	2650	1-1/2"	24
DVAWH-130W	5.0-16.0	177-565	20	290	90+37	120+50	160	76	4000*1700*1800	3200	2"	27
DVAWH-145W			30	435	90+55	120+75	160	76	4000*1700*1800	3200	2"	27
DVAWH-165W			40	580	110+55	150+75	160	76	4000*1700*1800	3200	2"	35
DVAWH-165W	6.1-20.0	215-706	20	290	110+55	150+75	172	76	4000*1700*1800	3600	2"	35
DVAWH-185W			30	435	110+75	150+100	172	76	4000*1700*1800	3600	2"	35
DVAWH-210W			40	580	132+75	175+100	185	76	4000*1700*1800	3800	2"	38
DVAWH-200W	7.0-24.0	247-847	20	290	132+65	175+89	200	77	4200*2000*2100	4200	2-1/2"	38
DVAWH-220W			30	435	132+90	175+120	200	77	4200*2000*2100	4200	2-1/2"	38
DVAWH-250W			40	580	160+90	215+120	200	77	4200*2000*2100	4300	2-1/2"	45
DVAWH-240W	8.5-28.0	300-989	20	290	185+55	250+75	210	78	4200*2000*2100	4600	2-1/2"	46
DVAWH-260W			30	435	185+75	250+100	210	78	4200*2000*2100	4600	2-1/2"	46
DVAWH-290W			40	580	200+90	270+120	225	78	4200*2000*2100	4600	2-1/2"	55
DVAWH-300W	9.5-36.0	335-1271	20	290	185+110	250+150	220	80	4500*2250*2200	5000	3"	50
DVAWH-315W			30	435	185+132	250+175	260	80	4500*2250*2200	5000	3"	60
DVAWH-355W			40	580	200+160	270+215	290	80	4500*2250*2200	5000	3"	68
DVAWH-330W	10.0-40.0	353-1412	20	290	220+110	300+150	280	80	4500*2250*2200	5000	3"	65
DVAWH-355W			30	435	220+132	300+175	300	80	4500*2250*2200	5000	3"	70
DVAWH-400W			40	580	220+185	300+250	360	80	4500*2250*2200	5000	3"	85





P-DNR202307-25 Specifications are subject to change without prior notice.
Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.



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