

Water-Injected Normal Pressure Oil-Free Air Compressors



OPPAIR Oil-Free Variable Frequency Screw Compressor:

- Constant pressure control: high-precision constant pressure control with a pressure fluctuation range within 0.01MPa.
- No idling: prevent idling of the compressor during running and reduce invalid energy consumption.
- High performance vector control: low-frequency starting provides a large torque and a low running current, ensuring to get a reasonable torque to drive the air compressor to run stably with the minimum temperature rise of the motor within a wide speed range.
- The permanent magnet motor adopts a high-efficiency rare earth magnet, without loss of excitation at 180 providing a long service life and saving about 6%~7% more energy than an ordinary variable frequency motor. Obtain the maximum efficiency within a wider range to make the air compressor more energy-efficient.

OPPAIR

OPPAIR COMPRESSOR (SHANGHAI) CO.,LTD
SHANDONG OPPAIR MACHINERY MANUFACTURING CO.,LTD

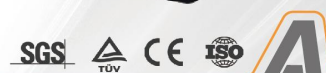


Model	Power (kw)	Horsepower (hp)	Air displacement/Working pressure(m3/min./bar)			Air outlet diameter	Water inlet outlet diameter	Noise Level dB	Quantity oA cooling water (Water entering 32°C T/H)	Lubricating water L	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
OFR-7F	5.5	7	0.78/8	0.65/10	/	DN20	DN32	58	1.5	10	800	800	1200	430
OFR-10F	7.5	10	1.15/8	1.02/10	0.81/12.5	DN20	DN32	58	2	10	800	800	1200	470
OFR-15F	11	15	1.55/8	1.32/10	1.01/12.5	DN20	DN32	60	2.5	26	1150	755	1340	580
OFR-20F	15	20	2.30/8	2.12/10	1.60/12.5	DN20	DN32	63	3.5	26	1150	755	1340	650
OFR-25F	18.5	25	3.10/8	2.62/10	2.10/12.5	DN25	DN32	65	4	30	1400	900	1450	705
OFR-30F	22	30	3.42/8	3.15/10	2.62/12.5	DN25	DN32	65	5	30	1400	900	1450	745
OFR-40F	30	40	5.05/8	4.20/10	3.18/12.5	DN40	DN32	67	7	40	1550	1150	1500A	1100
											1500	1150	1300W	
OFR-50F	37	50	6.10/8	5.80/10	5.00/12.5	DN40	DN32	67	9	40	1550	1150	1500A	1150
											1500	1150	1300W	
OFR-60F	45	60	7.80/8	6.15/10	5.65/12.5	DN50	DN50	68	10	90	1980	1300	1760A	1390
											1800	1300	1670W	
OFR-75F	55	75	9.60/8	8.55/10	7.45/12.5	DN50	DN50	70	12	120	1980	1300	1760A	1470
											1800	1300	1670W	
OFR-100F	75	100	12.6/8	11.42/10	9.85/12.5	DN50	DN50	73	18	120	2100	1600	1900A	2250
											1800	1300	1670W	
OFR-125F	90	125	14.8/8	13.05/10	12.10/12.5	DN65	DN50	73	20	180	2400	1600	2000A	2650
											1800	1300	1670W	
OFR-150F	110	150	19.5/8	16.8/10	15.15/12.5	DN65	DN50	78	24	180	3000	1700	2250A	3150
											2200	1550	1800W	
OFR-175F	132	175	22.52/8	20.30/10	18.25/12.5	DN65	DN50	78	30	240	3000	1700	2250A	3500
											2200	1550	1800W	
OFR-200F	160	200	28.11/8	24.50/10	22.15/12.5	DN80	DN50	80	35	240	2700	1800	2050	3700
OFR-250F	185	250	33.65/8	28.50/10	24.50/12.5	DN80	DN50	80	38	300	2700	1800	2050	3750
OFR-275F	200	275	36.63/8	32.75/10	27.50/12.5	DN100	DN50	80	42	300	2700	1800	2050	3900
OFR-300F	220	300	39.50/8	35.80/10	29.50/12.5	DN100	DN50	80	47	360	2700	1800	2050	4200
			41.00/8	36.30/10	34.50/12.5	DN100	DN50	80	58	360	2700	1800	2050	4600
			45.60/8	41.00/10	37.50/12.5	DN125	DN80	80	70	400	3500	2100	2000	5300

Model	Power (kw)	Horsepower (hp)	Air displacement/Working pressure(m3/min./bar)			Air outlet diameter	Water inlet outlet diameter	Noise Level dB	Quantity oA cooling water (Water entering 32°C T/H)	Lubricating water L	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
OFR-7PV	5.5	7	0.3-0.78/8	0.2-0.65/10	/	DN20	DN32	58	1.5	10	800	800	1200	460
OFR-10PV	7.5	10	0.35-1.15/8	0.3-1.02/10	0.24-0.81/12.5	DN20	DN32	58	2	10	800	800	1200	510
OFR-15PV	11	15	0.54-1.55/8	0.45-1.32/10	0.35-1.01/12.5	DN20	DN32	60	2.5	26	1150	755	1340	620
OFR-20PV	15	20	0.75-2.30/8	0.65-2.12/10	0.6-1.60/12.5	DN20	DN32	63	3.5	26	1150	755	1340	670
OFR-25PV	18.5	25	0.9-3.10/8	0.9-2.62/10	0.6-2.10/12.5	DN25	DN32	65	4	30	1400	900	1450	730
OFR-30PV	22	30	1.1-3.42/8	0.97-3.15/10	0.85-2.62/12.5	DN25	DN32	65	5	30	1400	900	1450	780
OFR-40PV	30	40	1.55-5.05/8	1.255-4.20/10	1.10-3.18/12.5	DN40	DN32	67	7	40	1550	1150	1500A	1150
											1500	1150	1300W	
OFR-50PV	37	50	1.91-6.10/8	1.60-5.80/10	1.42-5.00/12.5	DN40	DN32	67	9	40	1550	1150	1500A	1200
											1500	1150	1300W	
OFR-60PV	45	60	2.50-7.80/8	1.91-6.15/10	1.70-5.65/12.5	DN50	DN50	68	10	90	1980	1300	1760A	1490
											1800	1300	1670W	
OFR-75PV	55	75	3.0-9.60/8	2.50-8.55/10	2.30-7.45/12.5	DN50	DN50	70	12	120	1980	1300	1760A	1570
											1800	1300	1670W	
OFR-100PV	75	100	3.95-12.60/8	3.40-11.42/10	3.0-9.85/12.5	DN50	DN50	73	18	120	2100	1600	1900A	2250
											1800	1300	1670W	
OFR-125PV	90	125	5.0-14.80/8	4.30-13.05/10	3.72-12.10/12.5	DN65	DN50	73	20	180	2400	1600	2000A	2650
											1800	1300	1670W	
OFR-150PV	110	150	6.0-19.50/8	5.07-16.80/10	4.65-15.15/12.5	DN65	DN50	78	24	180	3000	1700	2250A	3150
											2200	1550	1800W	
OFR-175PV	132	175	6.75-22.52/8	6.0-20.30/10	5.07-18.25/12.5	DN65	DN50	78	30	240	3000	1700	2250A	3500
											2200	1550	1800W	
OFR-200PV	160	200	8.5-28.11/8	7.6-24.50/10	6.7-22.15/12.5	DN80	DN50	80	35	240	2700	1800	2050	3900
OFR-250PV	185	250	10-33.65/8	8.72-28.5/10	7.75-24.5/12.5	DN80	DN50	80	38	300	2700	1800	2050	4050
OFR-275PV	200	275	11.2-36.63/8	9.68-32.75/10	9.2-27.50/12.5	DN100	DN50	80	42	300	2700	1800	2050	4200
OFR-300PV	220	300	12.2-39.50/8	11.2-35.80/10	9.0-29.50/12.5	DN100	DN50	80	47	360	2700	1800	2050	4400
OFR-350PV	250	350	13.5-41.00/8	12.3-36.30/10	10.2-34.50/12.5	DN100	DN50	80	58	360	2700	1800	2050	4800
			15.96-45.60/8	14.35-41.0/10	13.12-37.5/12.5	DN125	DN80	80	70	400	3500	2100	2000	5300

Water-Injected Low Pressure Oil-Free Air Compressors

There are many medium-pressure compressed air to be used to 1.5-4.0bar in medicine、electronic、chemical、microbial fermentation、blow moulding、pressure detection and other industrial production such as power plants、naval ships、military and national defense facilities. At present, piston air compressors are mostly used at home and abroad, but its efficiency is very low. OPPAIR series compressors has compact structure、high efficiency、low noise、low vibration、easy maintenance、low operating cost and good air quality. The machine has multiple protective function of pressure temperature and overload energy.



Model	Power (kw)	Horsepower (hp)	Air displacement/Working pressure (m ³ /min./bar)	Water outlet diameter	Air outlet diameter	Quantity of cooling water	Lubricating water	Noise Level dB	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
OFR-40PV	30	40	10.10/1.5	DN50	DN50	7	50	66	1500	1150	1550A	1100
			9.20/2						1500	1150	1300W	
			7.80/3									
			6.70/4									
OFR-50PV	37	50	12.13/1.5	DN50	DN50	9	60	66	1500	1150	1550A	1150
			11.56/2						1500	1150	1300W	
			10.21/3									
			8.55/4									
OFR-60PV	45	60	14.50/1.5	DN50	DN65	10	120	68	1980	1300	1760A	1390
			13.20/2						1800	1300	1670W	
			11.20/3									
			10.00/4									
OFR-75PV	55	75	18.70/1.5	DN50	DN65	15	160	69	1980	1300	1760A	1470
			17.00/2						1800	1300	1670W	
			16.50/3									
			15.50/4									
OFR-100PV	75	100	23.10/1.5	DN50	DN65	18	180	72	2100	1600	1900A	2250
			21.12/2						2200	1500	1800W	
			19.55/3									
			18.50/4									
OFR-125PV	90	125	27.70/1.5	DN50	DN65	20	180	73	2400	1600	2000A	2650
			25.20/2						2200	1550	1800W	
			23.10/3									
			21.50/4									
OFR-150PV	110	150	32.15/1.5	DN50	DN100	24	180	77	3000	1700	2250A	3150
			31.24/2						2200	1550	1800W	
			30.50/3									
			27.16/4									
OFR-175PV	132	175	36.50/1.5	DN50	DN100	30	180	77	3000	1700	2250A	3500
			33.20/2						2200	1550	1800W	
			32.20/3									
			30.50/4									
OFR-200PV	160	200	45.00/1.5	DN80	DN125	35	230	79	2700	1800	2050	4000
			43.15/2									
			40.50/3									
			36.00/4									
OFR-250PV	185	250	50.60/1.5	DN80	DN125	38	230	79	2700	1800	2050	4650
			46.00/2									
			42.30/3									
			40.00/4									

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In textile, glass, plastics, water treatment, chemical cement and other industry fields, 25-40bar compressed air is often be required, OPPAIR series compressors can save more than 30% energy than the normal compressor.



OPPAIR Smart Energy-Saving Water Lubricating Oil-Free Screw Compressor:

- Self-learning function, smart start / stop.
- Detect the ambient temperature to prevent the ambient temperature from being too high to cause high-temperature failure.
- Detect the terminal pressure of the post-treatment equipment, effectively prevent the pressure difference from being too high to waste electric energy.
- Detect the motor's temperature to protect it.

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Model	Power (kw)	Horsepower (hp)	Air displacement (m3/min)	Working pressure (bar)	Water outlet diameter	Air outlet diameter	Quantity oA cooling water	Air supply temperature	Noise Level dB	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
OFR-70PV	52	70	5.0	25	DN50	DN25	14	Cooling water temperature+<15℃	75	2400	1650	1590	1650
OFR-79PV	59	79		30									
OFR-90PV	67	90		40									
OFR-90PV	67	90	6.0	25	DN50	DN32	19	Cooling water temperature+<15℃	77	2400	1650	1590	1950
OFR100PV	75	100		30									
OFR-114PV	85	114		40									
OFR-110PV	82	110	8.0	25	DN65	DN32	25	Cooling water temperature+<15℃	78	3200	2050	1900	2300
OFR-123PV	92	123		30									
OFR-150PV	112	150		40									
OFR-134PV	100	134	10	25	DN65	DN32	31	Cooling water temperature+<15℃	80	3200	2050	1900	2600
OFR-160PV	120	160		30									
OFR-180PV	135	180		40									
OFR-174PV	130	174	12	25	DN65	DN32	38	Cooling water temperature+<15℃	81	3200	2050	1900	3000
OFR-194PV	145	194		30									
OFR-220PV	165	220		40									
OFR-220PV	165	220	16	25	DN65	DN50	50	Cooling water temperature+<15℃	82	3200	2200	2300	3300
OFR-250PV	185	250		30									
OFR-276PV	207	276		40									
OFR-275PV	200	275	20	25	DN80	DN50/DN65	63	Cooling water temperature+<15℃	83	3600	2200	2300	3650
OFR-296PV	222	296		30									
OFR-334PV	250	334		40									
OFR-390PV	292	390	30	25	DN100	DN50/DN65	95	Cooling water temperature+<15℃	83	3900	2100	2250	3900
OFR-423PV	317	423		30									
OFR-443PV	332	443		40									
OFR-540PV	405	540	40	25	DN125	DN65	127	Cooling water temperature+<15℃	85	3900	2100	2250	4200
OFR-580PV	435	580		30									
OFR-627PV	470	627		40									



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