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2025 Version

卓颖机械 (上海) 有限公司
JOY MACHINERY (SHANGHAI) CO.,LTD.

卓颖机械
产品样册

PRODUCTS
CATALOGUE





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COMPANY PROFILE

JOY MACHINERY (SHANGHAI) CO., LTD. specializes in air compressors, committed to providing customers with stable, energy-saving, efficient and intelligent compressed air solutions, offering global users to enjoy the unique and beautiful experience of JOY MACHINERY products.

JOY MACHINERY strictly follows the ISO9001 international quality system and can provide a comprehensive range of intelligent air compressor products, including but not limited to: low-pressure, normal pressure, high-pressure screw air compressors, permanent magnet variable frequency two-stage compression air compressors, oil-free air compressors, mobile air compressors, and post-treatment equipment. The product is widely used in fields such as mechanical manufacturing, food and medicine, and petrochemicals etc. The company adheres to the corporate philosophy of "customer satisfaction is our unwavering pursuit", our products are exported to countries and regions such as Asia, Europe, America, Africa, etc., gaining a good market reputation.

JOY MACHINERY (SHANGHAI) CO., LTD. welcomes customers from all walks of life to join hands and create a better future together, with the slogan "Extraordinary quality, Leading Technology"!





Stationary Screw Air Compressor

Screw air compressor structure



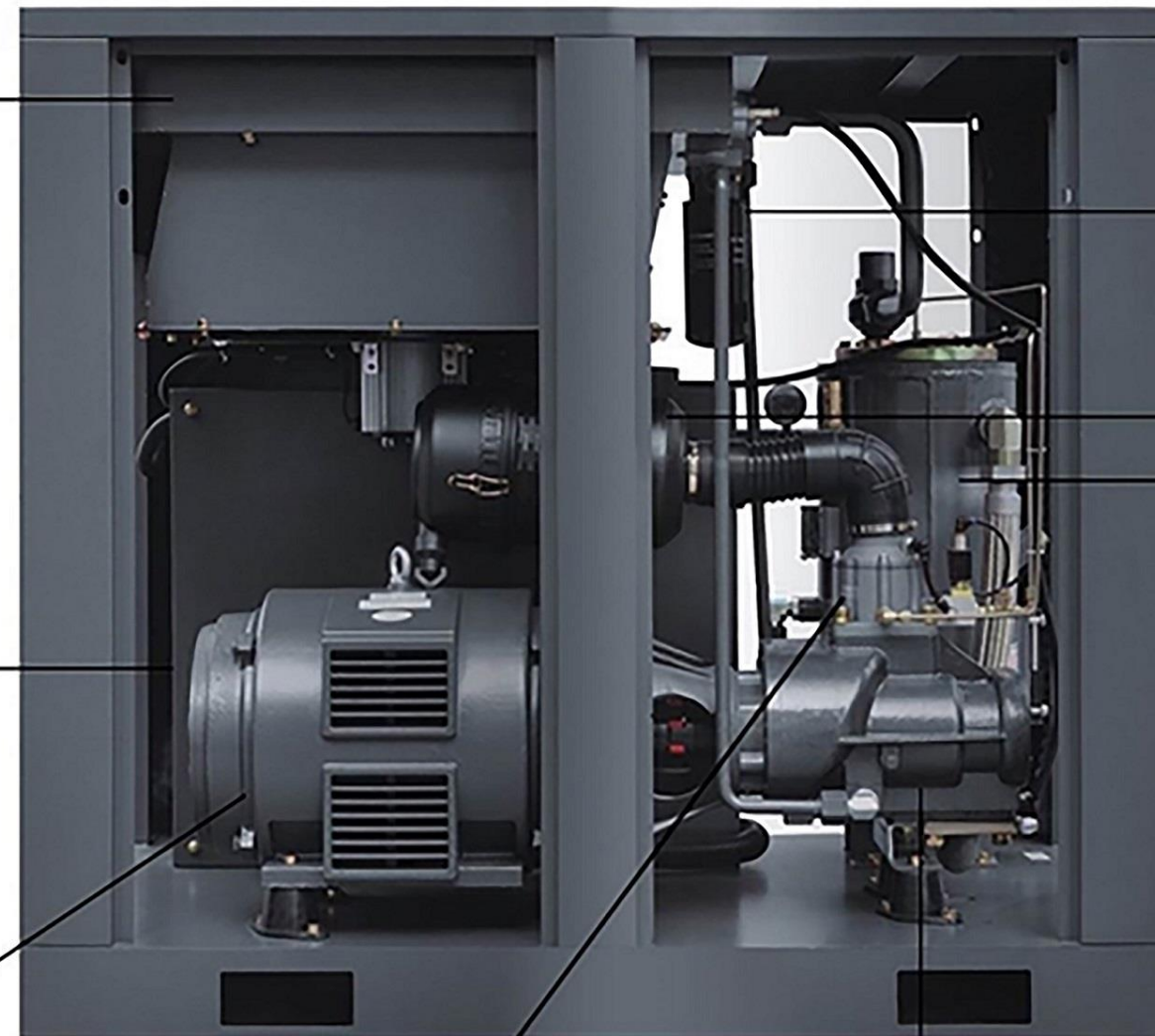
Easy-to-operate control system



Schneider electric components



Class F insulated motor, SKF heavy-duty bearing
Energy efficiency is 3-5% higher than similar product



Oil filter



Air filter



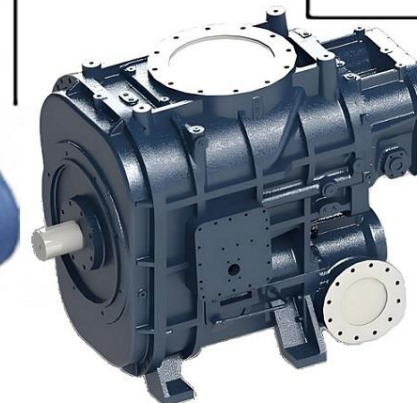
Oil/air separator



0-100% automatic adjustment
of air intake valve

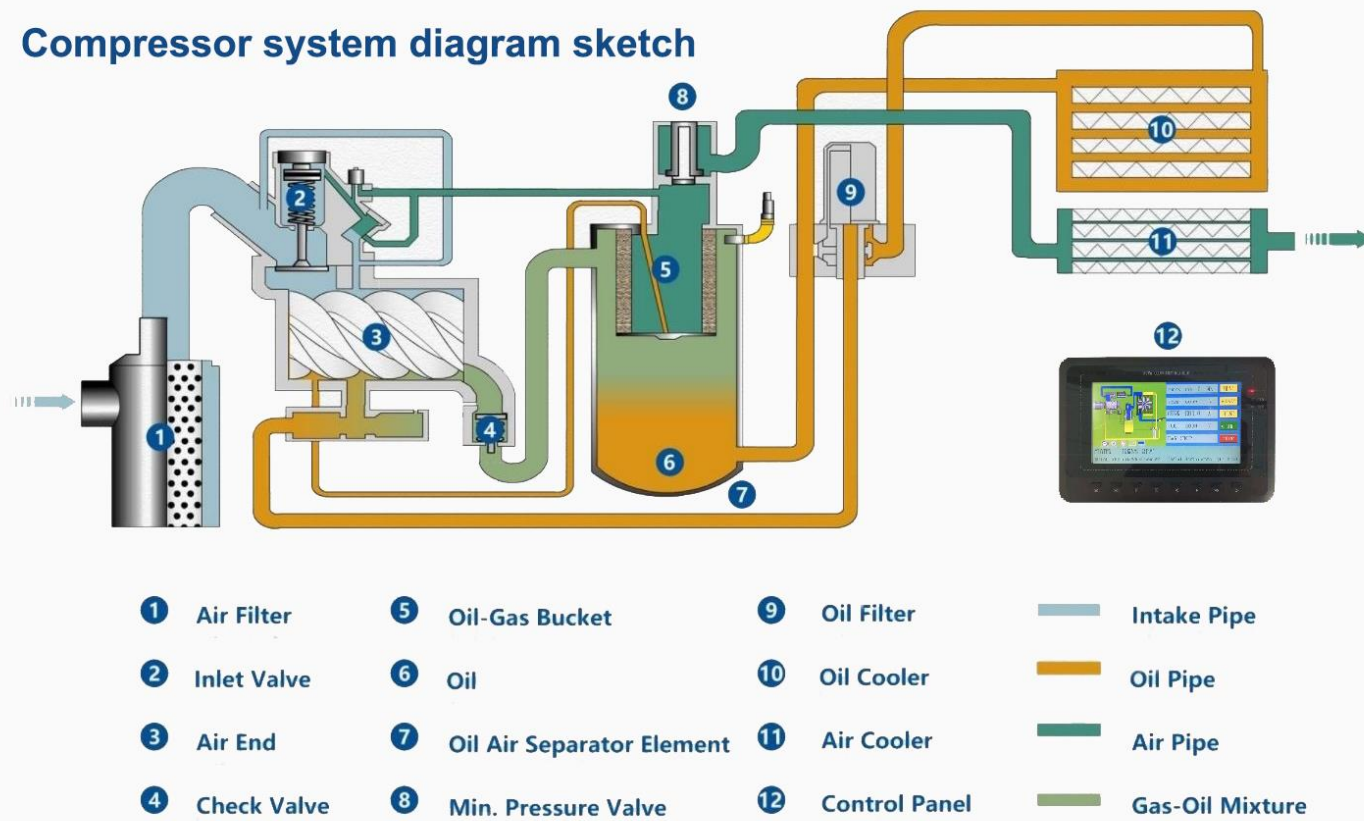


High quality, high efficient air end





Compressor system diagram sketch



Start-up of screw air compressor

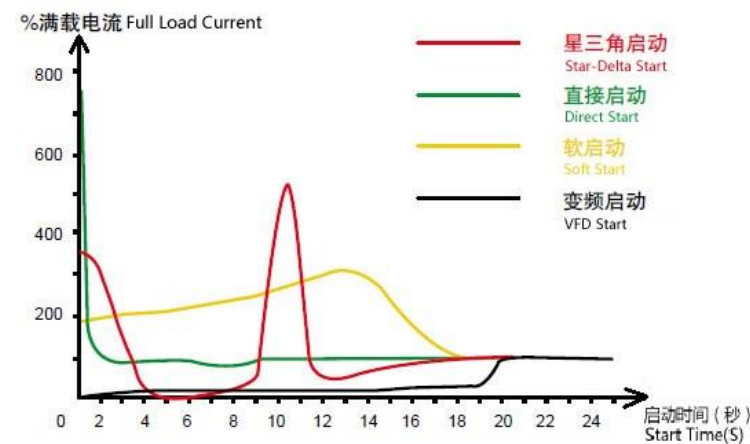
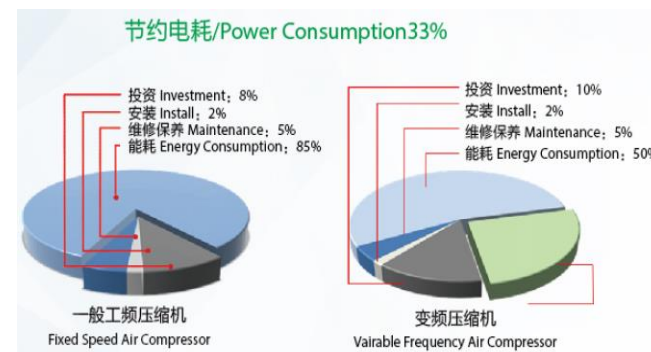
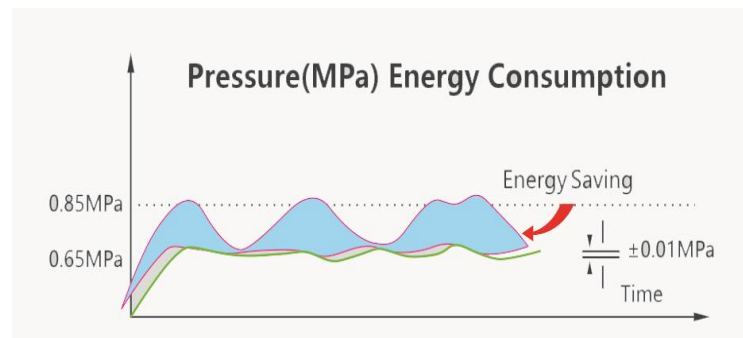


Diagram is shown in comparison with several methods of star, you can find frequency converted air compressor is slowly accelerated, which can start more smoothly, completely avoid the peak current.

Constant pressure, energy-saving

Cost Comparison



Main components of oil lubricated screw air compressor



Advanced double compression air end

The most energy-efficient isothermal compression with two-stage energy-saving up to 10%-30% ;
Double stage compression, small compression ratio, less leakage, greatly improved bearing life.



Efficient permanent magnet synchronous motor

Made of rare earth permanent magnet materials, the big torque, small current;
The working frequency range of energy-saving motors is wider and the operating noise is lower.



Special valves

Dedicated intake valve, easy to start unit with automatic adjustment, low flow rate, low intake noise;
Reliable MPV, low pressure loss, precise control, no flow back.



Advanced and reliable electronic control system

Large size color LCD touch screen with excellent human-machine communication interface;
Customized vector inverter fully monitors various parameters: voltage, three-phase imbalance, overvoltage, overtemperature, etc.;



Silent centrifugal fan

Compared to axial flow fans, centrifugal fans have better cooling effects and are more energy-efficient;
Higher wind pressure and lower noise;



High quality filters

Choose a good filtering material with high filtration accuracy, good durability, and low pressure loss.



High quality and efficient couplings

The coupling is a torsional elastic coupling with failure protection function. It can effectively dampen and reduce the vibrations and impacts generated during operation.



Screw Air Compressor (7.5-355KW)



Product Feature

- Motor power: 7.5-355KW
- Air delivery: 0.70 -62.00 m³/min
- Pressure: 0.70-1.30 Mpa

规格参数表 Technical Parameters										
卓颖机械(上海)有限公司 JOY MACHINERY (SHANGHAI) CO.,LTD.										
Model		JM-7.5A	JM-11A	JM-15A	JM-22A	JM-30A	JM-37A	JM-45A	JM-55A	JM-75A
Capacity/Pressure (m³/min/Mpa)		1.20/0.7	2.10/0.7	2.50/0.7	3.90/0.7	5.30/0.7	6.80/0.7	7.50/0.7	10.50/0.7	13.20/0.7
		1.10/0.8	1.80/0.8	2.30/0.8	3.60/0.8	5.00/0.8	6.50/0.8	7.20/0.8	10.00/0.8	12.90/0.8
		0.90/1.0	1.60/1.0	2.10/1.0	3.10/1.0	4.30/1.0	5.60/1.0	6.20/1.0	8.30/1.0	10.80/1.0
		0.70/1.3	1.00/1.3	1.60/1.3	2.70/1.3	3.10/1.3	4.70/1.3	5.60/1.3	7.20/1.3	9.10/1.3
Motor	Power(KW)	7.5	11	15	22	30	37	45	55	75
	Power(HP)	10	15	20	30	40	50	60	75	100
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized								
	Start	Y-Δ Start								
Noise DB (A)		70±2	70±2	70±2	72±2	72±2	72±2	72±2	72±2	75±2
Ambient Temp(°C)		-5°C ~ +45°C								
Discharge Air Temp(°C)		≤ Ambient temperature +15 °C								
Size	Length(mm)	850	1050	1050	1300	1300	1400	1400	1750	1750
	Weight(mm)	645	750	750	895	895	960	960	1237	1237
	Height(mm)	800	1050	1050	1120	1120	1300	1300	1660	1660
Outlet (Inch)		Rp1/2	Rp3/4	Rp3/4	Rp1	Rp1	G1 1/2	G1 1/2	G2	G2
Weight(KG)		200	230	260	320	460	520	750	980	1100

Model		JM-90A	JM-110A	JM-132A	JM-160A	JM-185A	JM-220A	JM-250A	JM-315A	JM-355A
Capacity/Pressure (m³/min/Mpa)		16.20/0.7	21.60/0.7	23.20/0.7	29.80/0.7	31.20/0.7	37.50/0.7	42.50/0.7	56.00/0.7	62.00/0.7
		15.60/0.8	19.90/0.8	22.80/0.8	28.10/0.8	30.30/0.8	36.50/0.8	41.20/0.8	54.00/0.8	61.00/0.8
		13.50/1.0	16.30/1.0	20.20/1.0	22.50/1.0	27.20/1.0	30.90/1.0	39.00/1.0	49.00/1.0	56.00/1.0
		11.50/1.3	14.50/1.3	17.00/1.3	21.50/1.3	22.50/1.3	28.50/1.3	31.50/1.3	43.00/1.3	47.00/1.3
Motor	Power(KW)	90	110	132	160	185	220	250	315	355
	Power(HP)	120	150	175	220	250	300	350	420	480
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized								
	Start	Y-Δ Start								
Noise DB (A)		75±2	75±2	80±2	80±2	81±2	81±2	81±2	81±2	84±2
Ambient Temp(°C)		-5°C ~ +45°C								
Discharge Air Temp(°C)		≤ Ambient temperature +15 °C								
Size	Length(mm)	2000	2000	2000	2900	3200	3200	3500	3800	4300
	Weight(mm)	1540	1540	1540	1625	1880	1880	2280	2300	2300
	Height(mm)	1800	1800	1800	1800	1890	1890	2250	2200	2430
Outlet (Inch)		G2 1/2	G2 1/2	G1 1/2	DN80	DN80	DN80	DN100	DN125	DN150
Weight(KG)		1700	1850	2100	2500	2630	2900	3300	7000	8000

A represents compressor is cooled by air. W represents compressor is cooled by water.

Permanent Magnet (PM) Screw Air Compressor (7.5-250KW)



Product Feature

- Motor power: 7.5-250KW
- Air delivery: 0.70 -42.30 m³/min
- Pressure: 0.70-1.30 Mpa

规格参数表 Technical Parameters										
卓颖机械(上海)有限公司 JOY MACHINERY (SHANGHAI) CO.,LTD.										
Model		JM-7.5APM	JM-11APM	JM-15APM	JM-22APM	JM-30APM	JM-37APM	JM-45APM	JM-55APM	JM-75APM
Capacity/Pressure (m³/min/Mpa)		1.20/0.7	2.10/0.7	2.50/0.7	3.90/0.7	5.30/0.7	6.80/0.7	7.50/0.7	10.50/0.7	13.20/0.7
		1.10/0.8	1.80/0.8	2.30/0.8	3.60/0.8	5.00/0.8	6.50/0.8	7.20/0.8	10.00/0.8	12.90/0.8
		0.90/1.0	1.60/1.0	2.10/1.0	3.10/1.0	4.30/1.0	5.60/1.0	6.20/1.0	8.30/1.0	10.80/1.0
		0.70/1.3	1.00/1.3	1.60/1.3	2.70/1.3	3.10/1.3	4.70/1.3	5.60/1.3	7.20/1.3	9.10/1.3
Motor	Power(KW)	7.5	11	15	22	30	37	45	55	75
	Power(HP)	10	15	20	30	40	50	60	75	100
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized								
	Start	VSD Start								
Noise DB (A)		70±2	70±2	70±2	72±2	72±2	72±2	72±2	72±2	75±2
Ambient Temp(°C)		-5°C ~ +45°C								
Discharge Air Temp(°C)		≤ Ambient temperature +15 °C								
Size	Length(mm)	730	1000	1000	1050	1250	1250	1750	1750	1750
	Weight(mm)	520	660	660	825	900	900	1237	1237	1237
	Height(mm)	840	1050	1050	1115	1300	1300	1660	1660	1660
Outlet (Inch)		Rp1/2	Rp3/4	Rp3/4	Rp1	G1 1/2	G1 1/2	G2	G2	G2
Weight(KG)		150	220	230	300	420	450	880	1050	1200

Model		JM-90APM	JM-110APM	JM-132APM	JM-160APM	JM-185APM	JM-200APM	JM-220APM	JM-250APM
Capacity/Pressure (m³/min/Mpa)		16.20/0.7	21.60/0.7	23.20/0.7	29.80/0.7	31.20/0.7	36.50/0.7	37.50/0.7	42.30/0.7
		15.60/0.8	19.90/0.8	22.80/0.8	28.10/0.8	30.30/0.8	35.00/0.8	36.50/0.8	41.20/0.8
		13.50/1.0	16.30/1.0	20.20/1.0	22.50/1.0	27.20/1.0	29.20/1.0	30.90/1.0	36.90/1.0
		11.50/1.3	14.50/1.3	17.00/1.3	21.50/1.3	22.50/1.3	25.50/1.3	28.50/1.3	31.50/1.3
Motor	Power(KW)	90	110	132	160	185	200	220	250
	Power(HP)	120	150	175	220	250	275	300	350
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized							
	Start	VSD Start							
Noise DB (A)		75±2	75±2	80±2	80±2	81±2	81±2	81±2	84±2
Ambient Temp(°C)		-5°C ~ +45°C							
Discharge Air Temp(°C)		≤ Ambient temperature +15 °C							
Size	Length(mm)	2000	2000	2900	2900	3200	3800	3200	3500
	Weight(mm)	1540	1540	1625	1625	1880	2300	1880	2280
	Height(mm)	1800	1800	1800	1800	1890	2300	1890	2250
Outlet (Inch)		G2	G2	DN80	DN80	DN80	DN125	DN80	DN100
Weight(KG)		1800	1900	2100	2600	2800	4800	3100	3600



Double Stage Compression Screw Air Compressor (15-355KW)



Product Feature

- Motor power: 15-400 KW
- Air delivery: 2.70 -89.0 m³/min
- Pressure: 0.70-1.30 Mpa

规格参数表 Technical Parameters									
卓颖机械（上海）有限公司 JOY MACHINERY (SHANGHAI) CO.,LTD.									
Model	JM-22AII	JM-30AII	JM-37AII	JM-45AII	JM-55AII	JM-75WII	JM-90WII	JM-110WII	JM-132WII
Capacity/Pressure (m³/min/Mpa)	4.30/0.7	6.40/0.7	8.00/0.7	10.50/0.7	12.80/0.7	16.80/0.7	20.60/0.7	24.30/0.7	27.70/0.7
	4.10/0.8	5.90/0.8	7.20/0.8	9.60/0.8	12.20/0.8	15.90/0.8	19.90/0.8	23.20/0.8	26.20/0.8
	3.50/1.0	---/1.0	6.80/1.0	9.10/1.0	11.30/1.0	13.90/1.0	17.60/1.0	20.50/1.0	23.00/1.0
	2.70/1.3	3.90/1.3	5.40/1.3	6.80/1.3	8.00/1.3	11.50/1.3	14.00/1.3	16.50/1.3	19.00/1.3
Motor	Power(KW)	22	30	37	45	55	75	90	132
	Power(HP)	30	40	50	60	75	100	120	180
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized							
	Start	Y-Δ Start							
Noise DB (A)	72±2	72±2	72±2	72±2	75±2	75±2	75±2	80±2	80±2
Ambient Temp(°C)	-5°C ~ +45°C								
Discharge Air Temp(°C)	≤Ambient temperature +15 °C								
Size	Length(mm)	1300	1400	1500	1750	1750	2000	2000	2900
	Weight(mm)	980	1100	1100	1237	1237	1540	1540	1625
	Height(mm)	1220	1450	1350	1660	1660	1800	1800	1800
	Height(mm)	1220	1450	1350	1660	1660	1800	1800	1800
Outlet (Inch)	G1"	G1 1/2"	G1 1/2"	G2"	G2"	G2 1/2"	G2 1/2"	DN80	DN80
Weight(KG)	560	800	900	1170	1560	1800	2100	2600	2900
Model	JM-160WII	JM-185WII	JM-200WII	JM-220WII	JM-250WII	JM-280WII	JM-315WII	JM-355WII	JM-400WII
Capacity/Pressure (m³/min/Mpa)	33.50/0.7	41.20/0.7	43.20/0.7	47.00/0.7	55.00/0.7	58.00/0.7	62.10/0.7	81.00/0.7	89.00/0.7
	32.00/0.8	38.00/0.8	40.50/0.8	46.10/0.8	51.60/0.8	55.00/0.8	60.00/0.8	78.00/0.8	84.50/0.8
	30.30/1.0	33.60/1.0	39.70/1.0	41.70/1.0	46.20/1.0	52.00/1.0	54.00/1.0	64.00/1.0	77.00/1.0
	26.00/1.3	29.00/1.3	31.50/1.3	35.00/1.3	40.50/1.3	43.00/1.3	52.00/1.3	56.00/1.3	64.00/1.3
Motor	Power(KW)	160	185	200	220	250	280	315	400
	Power(HP)	215	250	270	300	350	375	420	540
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized							
	Start	Y-Δ Start							
Noise DB (A)	80±2	82±2	82±2	82±2	84±2	82±2	84±2	84±2	86±2
Ambient Temp(°C)	-5°C ~ +45°C								
Discharge Air Temp(°C)	≤Ambient temperature +15 °C								
Size	Length(mm)	3200	3500	3500	3500	3800	3800	3800	4000
	Weight(mm)	1880	2280	2280	2280	2315	2300	2315	2300
	Height(mm)	1890	2250	2250	2250	2250	2200	2250	2320
	Height(mm)	1890	2250	2250	2250	2250	2200	2250	2350
Outlet (Inch)	DN80	DN100	DN100	DN100	DN125	DN125	DN125	DN125	DN150
Weight(KG)	3600	5200	5500	6200	6900	6800	6900	8000	9000

Double Stage Compression Permanent Magnet (PM) Screw Air Compressor (15-355KW)



Product Feature

- Motor power: 15-400 KW
- Air delivery: 2.70 -89.00 m³/min
- Pressure: 0.70-1.30 Mpa

规格参数表 Technical Parameters									
卓颖机械（上海）有限公司 JOY MACHINERY (SHANGHAI) CO.,LTD.									
Model	JM-22APMII	JM-30APMII	JM-37APMII	JM-45APMII	JM-55APMII	JM-75WPMII	JM-90WPMII	JM-110WPMII	JM-132WPMII
Capacity/Pressure (m³/min/Mpa)	4.30/0.7	6.40/0.7	8.00/0.7	10.50/0.7	12.80/0.7	16.80/0.7	20.60/0.7	24.30/0.7	27.70/0.7
	4.10/0.8	5.90/0.8	7.20/0.8	9.60/0.8	12.20/0.8	15.90/0.8	19.90/0.8	23.20/0.8	26.20/0.8
	3.50/1.0	---/1.0	6.80/1.0	9.10/1.0	11.30/1.0	13.90/1.0	17.60/1.0	20.50/1.0	23.00/1.0
	2.70/1.3	3.90/1.3	5.40/1.3	6.80/1.3	8.00/1.3	11.50/1.3	14.00/1.3	16.50/1.3	19.00/1.3
Motor	Power(KW)	22	30	37	45	55	75	90	132
	Power(HP)	30	40	50	60	75	100	120	180
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized							
	Start	VSD Start							
Noise DB (A)	72±2	72±2	72±2	72±2	75±2	75±2	75±2	80±2	80±2
Ambient Temp(°C)	-5°C ~ +45°C								
Discharge Air Temp(°C)	≤ Ambient temperature +15 °C								
Size	Length(mm)	1300	1400	1500	1750	1750	2000	2000	2900
	Weight(mm)	980	1100	1100	1237	1237	1540	1540	1625
	Height(mm)	1220	1450	1350	1660	1660	1800	1800	1800
	Height(mm)	1220	1450	1350	1660	1660	1800	1800	1800
Outlet (Inch)	G1"	G1 1/2"	G1 1/2"	G2"	G2"	G2 1/2"	G2 1/2"	DN80	DN80
Weight(KG)	560	800	900	1170	1560	1800	2100	2600	2900
Model	JM-160WPMII	JM-185WPMII	JM-200WPMII	JM-220WPMII	JM-250WPMII	JM-280WPMII	JM-315WPMII	JM-355WPMII	JM-400WPMII
Capacity/Pressure (m³/min/Mpa)	33.50/0.7	41.20/0.7	43.20/0.7	47.00/0.7	55.00/0.7	58.00/0.7	62.10/0.7	81.00/0.7	89.00/0.7
	32.00/0.8	38.00/0.8	40.50/0.8	46.10/0.8	51.60/0.8	55.00/0.8	60.00/0.8	78.00/0.8	84.50/0.8
	30.30/1.0	33.60/1.0	39.70/1.0	41.70/1.0	46.20/1.0	52.00/1.0	54.00/1.0	64.00/1.0	77.00/1.0
	26.00/1.3	29.00/1.3	31.50/1.3	35.00/1.3	40.50/1.3	43.00/1.3	52.00/1.3	56.00/1.3	64.00/1.3
Motor	Power(KW)	160	185	200	220	250	280	315	400
	Power(HP)	215	250	270	300	350	375	420	540
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized							
	Start	VSD Start							
Noise DB (A)	80±2	82±2	82±2	82±2	84±2	82±2	84±2	84±2	86±2
Ambient Temp(°C)	-5°C ~ +45°C								
Discharge Air Temp(°C)	≤ 环境温度+15 °C ≤ Ambient temperature +15 °C								
Size	Length(mm)	3200	3500	3500	3500	3800	3800	3800	4000
	Weight(mm)	1880	2280	2280	2280	2315	2300	2315	2300
	Height(mm)	1890	2250	2250	2250	2250	2200	2250	2320
	Height(mm)	1890	2250	2250	2250	2250	2200	2250	2350
Outlet (Inch)	DN80	DN100	DN100	DN100	DN125	DN125	DN125	DN125	DN150
Weight(KG)	3600	5200	5500	6200	6900	6800	6900	8000	9000



Double Stage Compression PM Low Pressure Screw Air Compressor (15-315KW)



Product Feature

- Motor Power :11-315 KW
- Discharge delivery: 2.80-82.00 m³/min
- Discharge Pressure: 0.4-0.5 Mpa

规格参数表 Technical Parameters									
卓颖机械(上海)有限公司 JOY MACHINERY (SHANGHAI) CO.,LTD.									
Model	JM-11APMII	JM-15APMII	JM-22APMII	JM-30APMII	JM-37APMII	JM-45APMII	JM-55APMII	JM-75APMII	JM-90APMII
Capacity/Pressure (m ³ /min/Mpa)	3.20/0.4	4.20/0.4	6.20/0.4	8.50/0.4	10.30/0.4	12.20/0.4	15.50/0.4	20.50/0.4	26.50/0.4
	2.80/0.5	3.60/0.5	6.00/0.5	7.50/0.5	9.50/0.5	11.50/0.5	14.50/0.5	19.50/0.5	23.50/0.5
Motor	Power(KW)	11	15	22	30	37	45	55	75
	Power(HP)	15	20	30	40	50	60	75	100
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized							
	Start	VSD Start							
Noise DB (A)	72±2	72±2	72±2	72±2	72±2	72±2	75±2	75±2	75±2
Ambient Temp(°C)	-5°C ~ +45°C								
Discharge Air Temp(°C)	≤ Ambient temperature +15 °C								
Size	Length(mm)	1300	1300	1400	1400	2100	2100	2100	2450
	Weight(mm)	980	980	1100	1100	1440	1440	1440	1700
	Height(mm)	1220	1220	1450	1450	1650	1650	1650	1890
Outlet (Inch)	G1"	G1"	G1 1/2"	G1 1/2"	G2 1/2"	G2 1/2"	G2 1/2"	DN65	DN80
Weight(KG)	500	550	800	850	1600	1650	1700	2400	2800

Model	JM-110APMII	JM-132APMII	JM-160APMII	JM-185APMII	JM-200APMII	JM-220APMII	JM-250APMII	JM-280APMII	JM-315APMII
Capacity/Pressure (m ³ /min/Mpa)	30.00/0.4	38.00/0.4	47.00/0.4	52.00/0.4	57.00/0.4	62.00/0.4	65.00/0.4	---/0.4	---/0.4
	27.00/0.5	35.00/0.5	42.00/0.5	45.00/0.5	53.50/0.5	55.00/0.5	61.00/0.5	70.50/0.5	82.00/0.5
Motor	Power(KW)	110	132	160	185	200	220	250	315
	Power(HP)	150	175	215	250	270	300	375	420
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized							
	Start	VSD Start							
Noise DB (A)	80±2	80±2	80±2	82±2	82±2	82±2	84±2	84±2	84±2
Ambient Temp(°C)	-5°C ~ +45°C								
Discharge Air Temp(°C)	≤ Ambient temperature +15 °C								
Size	Length(mm)	2600	3250	3250	3600	3800	4200	4200	4200
	Weight(mm)	1900	2100	2100	2300	2300	2350	2350	2350
	Height(mm)	1890	2200	2200	2290	2200	2350	2350	2350
Outlet (Inch)	DN80	DN100	DN100	DN125	DN125	DN125	DN125	DN150	DN150
Weight(KG)	2900	4000	4400	6000	6500	7500	8000	8500	9000

Double Stage Compression PM Medium Pressure Screw Air Compressor (11-355KW)



Product Feature

- Motor power: 11-355 KW
- Air delivery: 0.90 -33.50 m³/min
- Pressure: 2.0-3.0 Mpa

规格参数表 Technical Parameters									
卓颖机械(上海)有限公司 JOY MACHINERY (SHANGHAI) CO.,LTD.									
Model	JM-11APMII	JM-15APMII	JM-22APMII	JM-30APMII	JM-37APMII	JM-45APMII	JM-55APMII	JM-75APMII	JM-90APMII
Capacity/Pressure (m ³ /min/Mpa)	1.00/2.0	---/2.0	---/2.0	3.40/2.0	---/2.0	5.10/2.0	6.50/2.0	9.00/2.0	11.00/2.0
	---/2.2	---/2.2	2.40/2.2	---/2.2	---/2.2	5.00/2.2	6.20/2.2	7.70/2.2	10.00/2.2
	0.90/2.5	---/2.5	2.00/2.5	3.00/2.5	---/2.5	4.90/2.5	6.00/2.5	7.00/2.5	9.10/2.5
	---/3.0	1.00/3.0	---/3.0	2.20/3.0	3.30/3.0	---/3.0	4.60/3.0	6.60/3.0	7.50/3.0
Motor	Power(KW)	11	15	22	30	37	45	55	75
	Power(HP)	15	20	30	40	50	60	75	100
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized							
	Start	VSD Start							
Noise DB (A)	72±2	72±2	72±2	72±2	72±2	72±2	75±2	75±2	75±2
Ambient Temp(°C)	-5°C ~ +45°C								
Discharge Air Temp(°C)	≤ Ambient temperature +15 °C								
Size	Length(mm)	1000	1000	1100	1100	1200	2100	2100	2450
	Weight(mm)	750	750	850	850	1000	1440	1440	1700
	Height(mm)	1070	1070	1110	1110	1350	1650	1650	1760
Outlet (Inch)	G3/4"	G3/4"	G1"	G1"	G1 1/2"	G2"	G2"	G2"	DN65
Weight(KG)	200	210	320	330	620	1400	1500	1600	2400

Model	JM-110APMII	JM-132APMII	JM-160APMII	JM-185APMII	JM-200APMII	JM-220APMII	JM-250APMII	JM-315APMII	JM-355APMII
Capacity/Pressure (m ³ /min/Mpa)	12.50/2.0	16.00/2.0	18.00/2.0	23.00/2.0	25.50/2.0	28.00/2.0	31.00/2.0	---/2.0	---/2.0
	12.00/2.2	15.00/2.2	17.40/2.2	21.50/2.2	24.50/2.2	26.00/2.2	29.00/2.2	34.00/2.2	---/2.2
	11.50/2.5	14.20/2.5	16.00/2.5	19.00/2.5	23.00/2.5	24.00/2.5	27.00/2.5	31.00/2.5	---/2.5
	9.20/3.0	12.00/3.0	14.00/3.0	16.00/3.0	17.00/3.0	21.50/3.0	24.00/3.0	28.00/3.0	33.50/3.0
Motor	Power(KW)	110	132	160	185	200	220	250	355
	Power(HP)	150	175	215	250	270	300	350	475
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized							
	Start	VSD Start							
Noise DB (A)	80±2	80±2	80±2	82±2	82±2	82±2	84±2	84±2	84±2
Ambient Temp(°C)	-5°C ~ +45°C								
Discharge Air Temp(°C)	≤ Ambient temperature +15 °C								
Size	Length(mm)	2600	2600	3250	3250	3250	3800	3800	4000
	Weight(mm)	1900	1900	2100	2100	2100	2300	2300	2300
	Height(mm)	1890	1890	2200	2200	2200	2200	2200	2430
Outlet (Inch)	DN80	DN80	DN80	DN80	DN80	DN100	DN80	DN80	DN80
Weight(KG)	2800	3000	4300	4400	4600	6500	7000	8500	9000



Integrated PM Screw Air Compressor (7.5-37KW)



Product Feature

- Motor Power :7.5-37 KW
- Discharge delivery: 0.70-6.80 m3/min
- Discharge Pressure: 0.7-1.3 Mpa

Motor + Air end combination

规格参数表 Technical Parameters				
Model	JMI-7.5APM	JMI-15APM	JMI-22APM	JMI-37APM
Capacity/Pressure (m³/min/Mpa)	1.20/0.7	2.50/0.7	3.90/0.7	6.80/0.7
	1.10/0.8	2.30/0.8	3.60/0.8	6.50/0.8
	0.90/1.0	2.10/1.0	3.10/1.0	5.60/1.0
	0.70/1.3	1.60/1.3	2.70/1.3	4.70/1.3
Motor	Power(KW)	7.5	15	22
	Power(HP)	10	20	30
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized		
	Start	VSD Start		
Noise DB (A)	70±2	70±2	72±2	72±2
Ambient Temp(°C)	-5°C ~ +45°C			
Discharge Air Temp(°C)	≤Ambient temperature +15 °C			
Size	Length(mm)	1650	1840	1875
	Weight(mm)	695	800	850
	Height(mm)	1495	1740	1785
Outlet (Inch)	G1/2	G3/4	G1	G1 1/2
Weight(KG)	180	320	420	600

Motor + Air end coupling

规格参数表 Technical Parameters			
Model	JMI-7.5APM	JMI-15APM	JMI-22APM
Capacity/Pressure (m³/min/Mpa)	1.20/0.7	2.50/0.7	3.90/0.7
	1.10/0.8	2.30/0.8	3.60/0.8
	0.90/1.0	2.10/1.0	3.10/1.0
	0.70/1.3	1.60/1.3	2.70/1.3
Motor	Power(KW)	7.5	15
	Power(HP)	10	20
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized	
	Start	VSD Start	
Noise DB (A)	70±2	70±2	72±2
Ambient Temp(°C)	-5°C ~ +45°C		
Discharge Air Temp(°C)	≤Ambient temperature +15 °C		
Size	Length(mm)	1848	2070
	Weight(mm)	768	955
	Height(mm)	1615	1858
Outlet (Inch)	G1/2	G3/4	G1
Weight(KG)	180	320	420

PM Screw Air Compressor for laser cutting (7.5-160KW)



Integrated PM Screw Air Compressor for laser cutting

Product Feature

- Motor Power :7.5-160 KW
- Discharge delivery: 0.60-22.00 m3/min
- Discharge Pressure: 1.6-2.0 Mpa

规格参数表 Technical Parameters							
Model	JMI-7.5APM	JMI-11APM	JMI-15APM	JMI-22APM	JMI-30APM	JMI-37APM	JMI-45APM
Capacity/Pressure (m³/min/Mpa)	0.60/1.55	0.90/1.6	1.20/1.6	2.00/1.6	2.50/1.6	3.50/1.6	4.30/1.6
	---/2.0	---/2.0	1.00/2.0	1.70/2.0	2.20/2.0	3.20/2.0	3.80/2.0
Motor	Power(KW)	7.5	11	15	22	30	45
	Power(HP)	10	15	20	30	40	60
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized					
	Start	VSD Start					
Noise DB (A)	70±2	70±2	70±2	72±2	72±2	75±2	75±2
Ambient Temp(°C)	-5°C ~ +45°C						
Discharge Air Temp(°C)	≤Ambient temperature +15 °C						
Size	Length(mm)	1500	1800	1800	1800	1990	1990
	Weight(mm)	670	750	750	850	980	980
	Height(mm)	1430	1770	1770	1930	1970	1970
Outlet (Inch)	G1/2"	G3/4"	G3/4"	G1"	G1"	G2 1/2"	G2 1/2"
Weight(KG)	355	570	590	690	720	930	980

PM Screw Air Compressor for laser cutting

规格参数表 Technical Parameters											
Model	JM-7.5APM	JM-11APM	JM-15APM	JM-22APM	JM-30APM	JM-37APM	JM-45APM	JM-55APM	JM-75APM	JM-90APM	JM-110APM
Capacity/Pressure (m³/min/Mpa)	0.60/1.55	0.90/1.6	1.20/1.6	2.00/1.6	2.50/1.6	3.40/1.6	4.30/1.6	5.90/1.6	8.10/1.6	9.50/1.6	13.00/1.6
	---/2.0	---/2.0	1.00/2.0	1.70/2.0	2.20/2.0	3.20/2.0	3.80/2.0	4.20/2.0	6.50/2.0	8.50/2.0	9.80/2.0
Motor	Power(KW)	7.5	11	15	22	30	37	45	55	75	110
	Power(HP)	10	15	20	30	40	50	60	75	100	150
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized									
	Start	VSD Start									
Noise DB (A)	70±2	70±2	70±2	72±2	72±2	72±2	72±2	72±2	75±2	75±2	75±2
Ambient Temp(°C)	-5°C ~ +45°C										
Discharge Air Temp(°C)	≤Ambient temperature +15 °C										
Size	Length(mm)	800	1000	1000	1070	1070	1200	1200	1700	1700	2250
	Weight(mm)	650	750	750	850	850	1000	1000	1210	1210	1510
	Height(mm)	860	1000	1000	1140	1140	1390	1390	1550	1550	1850
Outlet (Inch)	G1/2"	G3/4"	G3/4"	G1"	G1"	G1 1/2"	G1 1/2"	G2 1/2"	G2 1/2"	G2 1/2"	DN65
Weight(KG)	180	300	320	420	450	600	650	900	1050	1200	2500

Double stage PM Screw Air Compressor for laser cutting

规格参数表 Technical Parameters								
Model	JM-37APMII	JM-45APMII	JM-55APMII	JM-75APMII	JM-90APMII	JM-110APMII	JM-132APMII	JM-160APMII
Capacity/Pressure (m³/min/Mpa)	3.60/1.6	5.30/1.6	6.50/1.6	9.00/1.6	11.20/1.6	15.00/1.6	18.50/1.6	22.00/1.6
	---/2.0	---/2.0	---/2.0	---/2.0	---/2.0	---/2.0	---/2.0	---/2.0
Motor	Power(KW)	37	45	55	75	90	132	160
	Power(HP)	50	60	75	100	120	180	220
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized						
	Start	VSD Start						
Noise DB (A)	72±2	72±2	72±2	75±2	75±2	75±2	80±2	80±2
Ambient Temp(°C)	-5°C ~ +45°C							
Discharge Air Temp(°C)	≤Ambient temperature +15 °C							
Size	Length(mm)	1400	2100	2100	2100	2100	2600	3250
	Weight(mm)	1100	1440	1440	1440	1440	1900	2100
	Height(mm)	1450	1650	1650	1650	1650	1890	2200
Outlet (Inch)	G1 1/2"	G2 1/2"	G2 1/2"	G2 1/2"	G2 1/2"	G2 1/2"	DN50	DN80
Weight(KG)	700	1600	1650	1650	1700	2700	2900	4000



JOY MACHINERY water lubricated oil-free screw air compressors

TECHNICAL ADVANTAGE





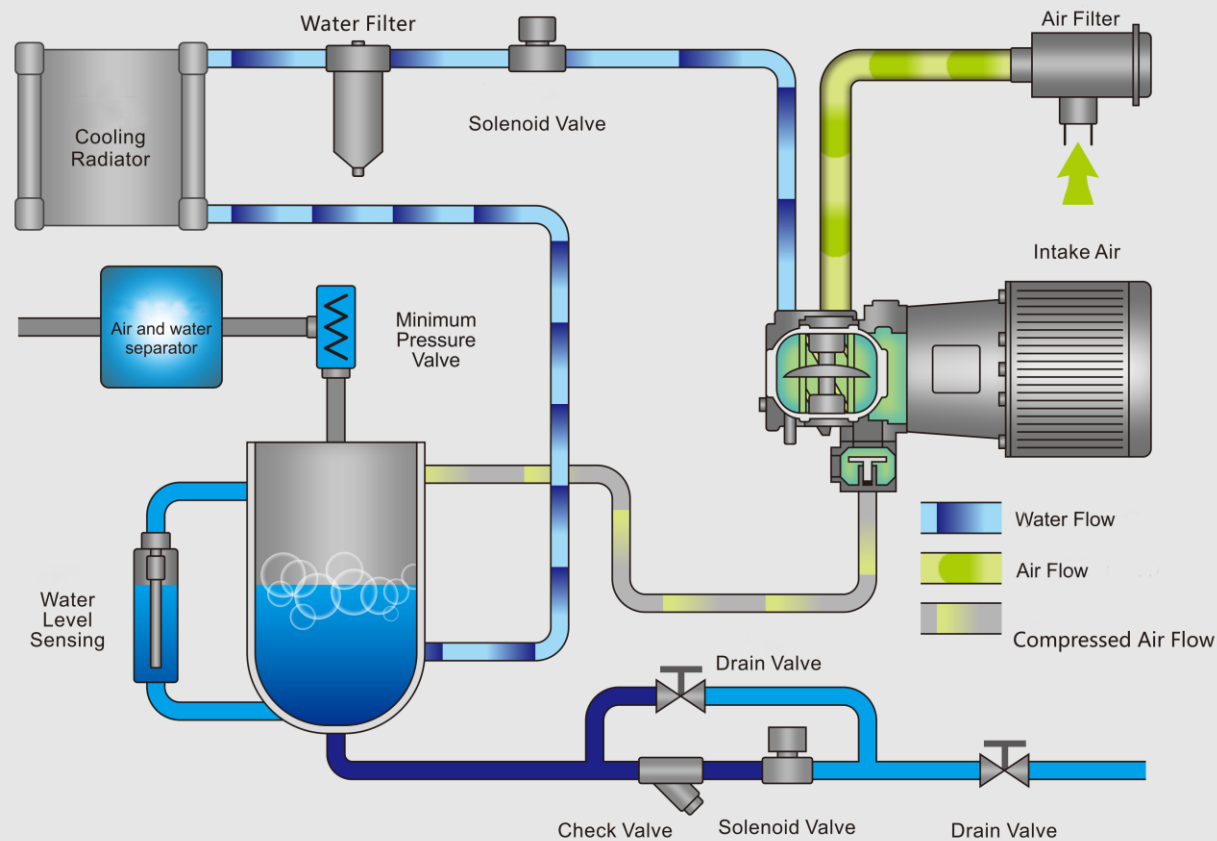
Oil-free Water Lubricated Screw Air Compressor (5.5-460KW)

Our oil-free air compressors are conformed to the latest industry standard: ISO 8573-1 CLASS 0 (2010). You can eliminate so many risks: no risk of contamination of oil, of damaged or unsafe products, of losses from operational downtime or of jeopardizing your company's well-earned reputation. Safeguard the environment and comply with international regulations with our oil-free air solutions, minimizing leaks and energy waste.



1. 100% Oil-free
2. Low noise without vibration
3. Available for VSD control
4. Extremely low operation and maintenance costs (only covering water, water filter element and air filter element)

WATER LUBRICATED AIR COMPRESSOR SYSTEM FLOW DIAGRAM OF COMPRESSOR UNIT



Excellent performance origins from the world's top configuration



Intelligent energy-saving control system developed independently



Denmark Danfoss solenoid valve



Top SIEMENS Schneider control components



High performance electrical components



High precision filter



High quality inverter



High efficient exchanger



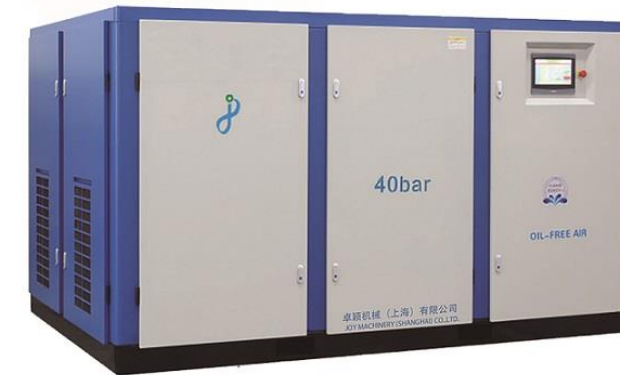
High efficient/performance motor



German Schaeffler bearings
Swedish SKF bearings

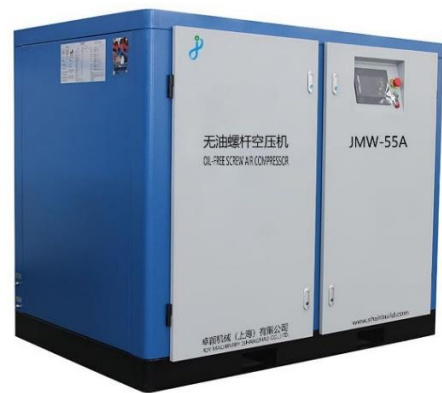


Remote IOT, smart cloud





Fixed Frequency Water Lubricated Oil-free Screw Air Compressor (5.5-250KW)



Product Feature

- Motor Power :5.5-55 KW
- Discharge delivery: 0.65-10.30 m3/min
- Discharge Pressure: 0.8-1.25 Mpa

TECHNICAL PARAMETERS										
Model	Air Capacity	Pressure	Power		Noise	Cooling water	Cooling water	Lubricated water	Dimension	Outlet
	m3/min	Mpa	KW	HP	DB	outlet	Ton/Hour	L	L*W*H	
JMW-5.5A	0.78	0.8	5.5	7.5	57±2	3/4"	1.5	10	800*800*1200	3/4"
	0.65	1.0								
JMW-7.5A	1.17	0.8	7.5	10	57±2	3/4"	2.0	10	800*800*1200	3/4"
	1.05	1.0								
	0.81	1.25								
JMW-11A	1.72	0.8	11	15	60±2	1"	2.5	26	1200*855*1335	3/4"
	1.42	1.0								
	1.25	1.25								
JMW-15A	2.43	0.8	15	20	60±2	1"	3.5	26	1200*855*1335	14"
	2.17	1.0								
	1.80	1.25								
JMW-18.5A	3.13	0.8	18.5	25	63±2	1"	4.0	30	1400*1010*1340	1"
	2.82	1.0								
	2.05	1.25								
JMW-22A	3.70	0.8	22	30	63±2	1"	5.0	30	1400*1010*1340	1"
	3.21	1.0								
	2.78	1.25								
JMW-30A	5.20	0.8	30	40	66±2	1 1/2"	7.0	40	1650*1180*1505(A) 1500*1080*1300(W)	1 1/2"
	4.43	1.0								
	3.63	1.25								
JMW-37A	6.50	0.8	37	50	66±2	1 1/2"	9.0	40	1650*1180*1505(A) 1500*1080*1505(W)	1 1/2"
	5.33	1.0								
	4.77	1.25								
JMW-45A	8.30	0.8	45	60	68±2	1 1/2"	10.0	90	2050*1300*1758(A) 1800*1360*1670(W)	2"
	6.30	1.0								
	5.56	1.25								
JMW-55A	10.30	0.8	55	75	69±2	1 1/2"	12.0	100	2150*1360*1758(A) 1800*1360*1670(W)	2"
	8.55	1.0								
	7.67	1.25								

Permanent Magnet Water Lubricated Oil-free Screw Air Compressor (5.5-250KW)



Product Feature

- Motor Power :5.5-250 KW
- Discharge delivery: 0.20-45.00 m3/min
- Discharge Pressure: 0.8-1.25 Mpa

TECHNICAL PARAMETERS											 JOY MACHIERY (SHANGHAI) CO.,LTD.										
Model	Air Capacity	Pressure	Power		Noise	Cooling water outlet	Cooling water	Lubricated water	Dimension	Outlet	Weight										
	m³/min	Mpa	KW	HP	DB		Ton/Hour	L	L*W*H		KG										
JMW-5.5APM	0.30-0.78	0.8	5.5	7.5	57±2	3/4"	1.5	10	800*800*1200	3/4"	460										
	0.20-0.65	1.0																			
JMW-7.5APM	0.35-1.17	0.8	7.5	10	57±2	3/4"	2.0	10	800*800*1200	3/4"	510										
	0.30-1.05	1.0																			
	0.24-0.81	1.25																			
JMW-11APM	0.51-1.72	0.8	11	15	60±2	1"	2.5	26	1200*855*1335	3/4"	620										
	0.45-1.42	1.0																			
	0.35-1.25	1.25																			
JMW-15APM	0.75-2.43	0.8	15	20	60±2	1"	3.5	26	1200*855*1335	1"	670										
	0.65-2.17	1.0																			
	0.60-1.80	1.25																			
JMW-18.5APM	0.90-3.13	0.8	#####	25	62±2	1"	4.0	30	1400*1010*1340	1"	730										
	0.90-2.82	1.0																			
	0.60-2.05	1.25																			
JMW-22APM	1.10-3.70	0.8	22	30	62±2	1"	5.0	30	1400*1010*1340	1"	780										
	0.97-3.21	1.0																			
	0.85-2.78	1.25																			
JMW-30APM	1.55-5.20	0.8	30	40	65±2	1 1/2"	7.0	40	1650*1180*1505 (A) 1500*1080*1300 (W)	1 1/2"	1150										
	1.23-4.43	1.0																			
	1.10-3.63	1.25																			
JMW-37APM	1.91-6.50	0.8	37	50	65±2	1 1/2"	9.0	40	1650*1180*1505 (A) 1500*1080*1300 (W)	1 1/2"	1200										
	1.60-5.33	1.0																			
	1.42-4.77	1.25																			
JMW-45APM	2.50-8.30	0.8	45	60	68±2	1 1/2"	10.0	90	1800*1360*1670	2"	1490										
	1.91-6.30	1.0																			
	1.705.56	1.25																			
JMW-55APM	3.00-10.30	0.8	55	75	70±2	1 1/2"	12.0	100	1800*1360*1670	2"	1570										
	2.60-8.55	1.0																			
	2.30-7.67	1.25																			
JMW-75APM	3.95-13.00	0.8	75	100	70±2	1 1/2"	18.0	100	1800*1360*1670	2"	1750										
	3.40-11.50	1.0																			
	3.00-9.70	1.25																			
JMW-90APM	5.00-16.60	0.8	90	120	70±2	1 1/2"	20.0	120	2200*1550*1800	2 1/2"	2450										
	4.30-14.66	1.0																			
	3.72-12.60	1.25																			
JMW-110APM	6.00-20.20	0.8	110	150	75±2	2"	24.0	120	2200*1550*1800	2 1/2"	2580										
	5.00-16.66	1.0																			
	4.66-15.56	1.25																			
JMW-132APM	6.75-22.52	0.8	132	180	75±2	2"	30.0	120	2200*1550*1800	2 1/2"	2700										
	6.00-19.97	1.0																			
	5.07-16.90	1.25																			
JMW-160APM	8.50-28.11	0.8	160	220	80±2	3"	35.0	160	3000*1800*2100	3"	3900										
	7.60-25.45	1.0																			
	6.70-22.52	1.25																			
JMW-185APM	10.00-33.97	0.8	185	250	80±2	3"	38.0	160	3000*1800*2100	3"	4050										
	8.72-29.00	1.0																			
	7.75-25.21	1.25																			
JMW-200APM	11.20-36.75	0.8	200	270	80±2	4"	42.0	200	3100*1850*2100	4"	4200										
	9.68-32.78	1.0																			
	9.20-29.25	1.25																			
JMW-220APM	12.20-39.67	0.8	220	300	80±2	4"	47.0	200	3100*1850*2100	4"	4400										
	11.20-36.75	1.0																			
	9.00-29.63	1.25																			
JMW-250APM	13.50-45.00	0.8	250	340	80±2	4"	53.0	200	3100*1850*2100	4"	4800										
	12.30-39.67	1.0																			
	10.20-33.97	1.25																			



Low Pressure Oil-free Screw Air Compressor (30-185KW)

TECHNICAL PARAMETERS											
Model	Air Capacity	Pressure	Power		Noise	Cooling water	Cooling water	Lubricated water	Dimension	Outlet	Weight
	m3/min	Mpa	KW	HP	DB	outlet	Ton/Hour	L	L*W*H		
JMW-30A	6.70	0.4	30	40	65±2	1 1/2"	7	50	1650*1180*1505(A) 1500*1080*1300(W)	2"	1200
JMW-37A	8.60	0.4	37	50	65±2	1 1/2"	9	60	1650*1180*1505(A) 1500*1080*1300(W)	2 1/2"	1300
JMW-45W	10.50	0.4	45	60	68±2	1 1/2"	10	120	1800*1360*1670	2 1/2"	1500
JMW-55W	13.50	0.4	55	75	68±2	1 1/2"	12	160	1800*1360*1670	2 1/2"	1670
JMW-75W	19.90	0.4	75	100	70±2	1 1/2"	18	160	1800*1360*1670	3"	1800
JMW-90W	23.00	0.4	90	120	72±2	1 1/2"	20	180	2200*1550*1800	3"	2550
JMW-110W	28.20	0.4	110	150	75±2	2"	24	180	2200*1550*1800	4"	2600
JMW-132W	30.00	0.4	132	180	75±2	2"	30	180	2200*1550*1800	4"	2800
JMW-160W	36.00	0.4	160	220	78±2	3"	35	230	3000*1800*2100	5"	4000
JMW-185W	42.00	0.4	185	250	78±2	3"	38	230	3000*1800*2100	5"	4350

Middle Pressure Oil-free Screw Air Compressor (37-460KW)

TECHNICAL PARAMETERS											
Model	Air Capacity	Pressure	Power		Noise	Cooling water	Cooling water	Lubricated water	Dimension	Outlet	Weight
	m3/min	Mpa	KW	HP	DB	outlet	Ton/Hour	L	L*W*H		
JMW-37W	3.50	4.0	37	50	65±2	1"	10	80	1800*1360*1710	1"	1200
JMW-65W	6.00	4.0	65	90	70±2	1 1/2"	18	120	1800*1360*1710	1"	1800
JMW-110W	10.00	4.0	110	150	70±2	2"	28	160	3000*1560*1680	1 1/2"	2260
JMW-132W	12.00	4.0	132	175	72±2	2"	35	170	3000*1800*2100	1 1/2"	2500
JMW-165W	15.00	4.0	165	220	75±2	2 1/2"	40	190	3000*1800*2100	2"	2980
JMW-220W	20.00	4.0	220	300	75±2	3"	50	200	3000*2100*2200	2"	3200
JMW-275W	25.00	4.0	275	375	78±2	3"	56	250	3600*2100*2200	2 1/2"	4600
JMW-460W	42.00	4.0	460	615	80±2	4"	90	360	4200*3600*2200	3"	5800

Oil-free Screw Air Compressor for Special Purpose



Characteristics of the latest generation of water lubricated oil-free screw air compressor

Low temperature characteristics of close to isothermal compression (the temperature of air end is lower than 60°C);

Full stainless steel air end (air end screw, air end casing are both stainless steel material) corrosion resistance characteristics;

High efficiency full seal system (adopting imported mechanical seal, and labyrinth seal) without potential leakage;

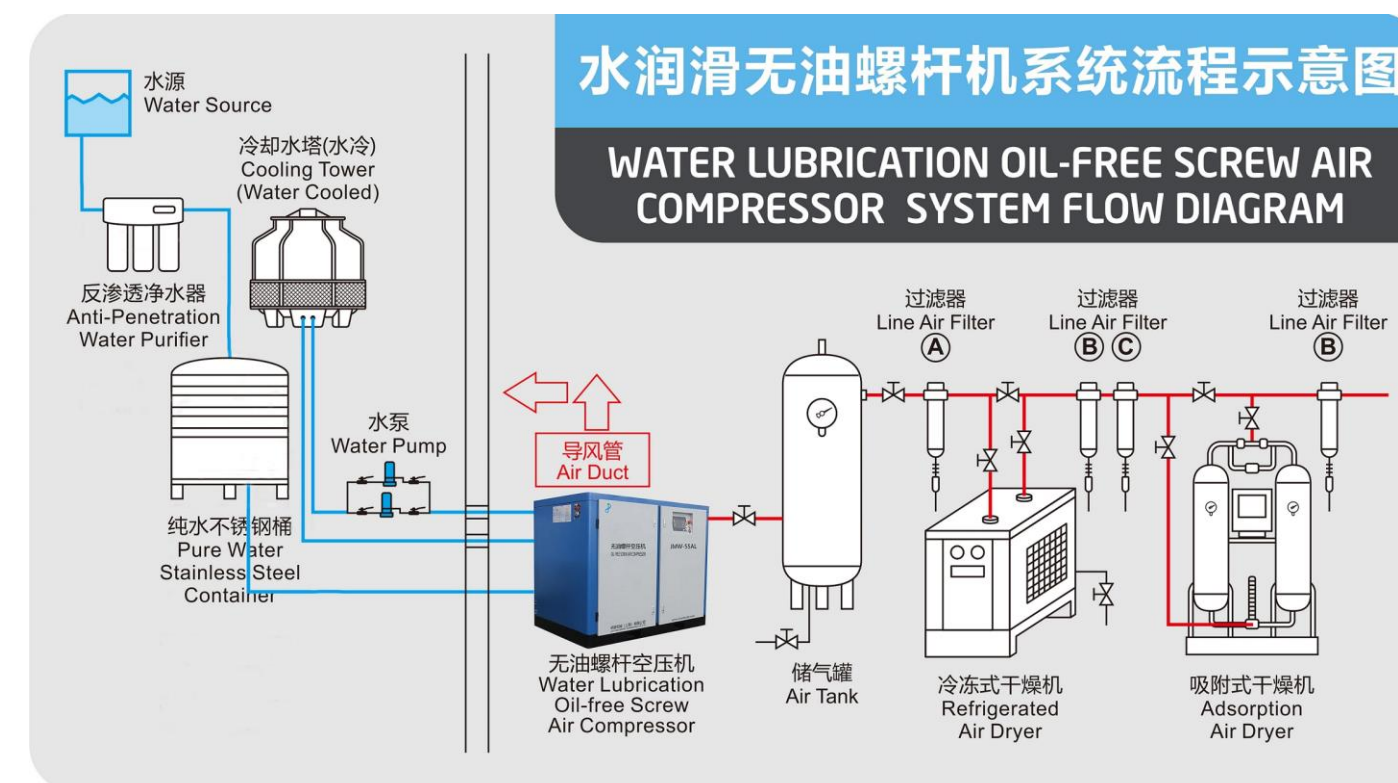
There is no direct contact between metals when the compressor air end runs;

Adopting pure water to seal, lubricate, cool air end, which can adapt to the requirements of various gas compressors, especially for the requirements of explosive-proof gas compressor;

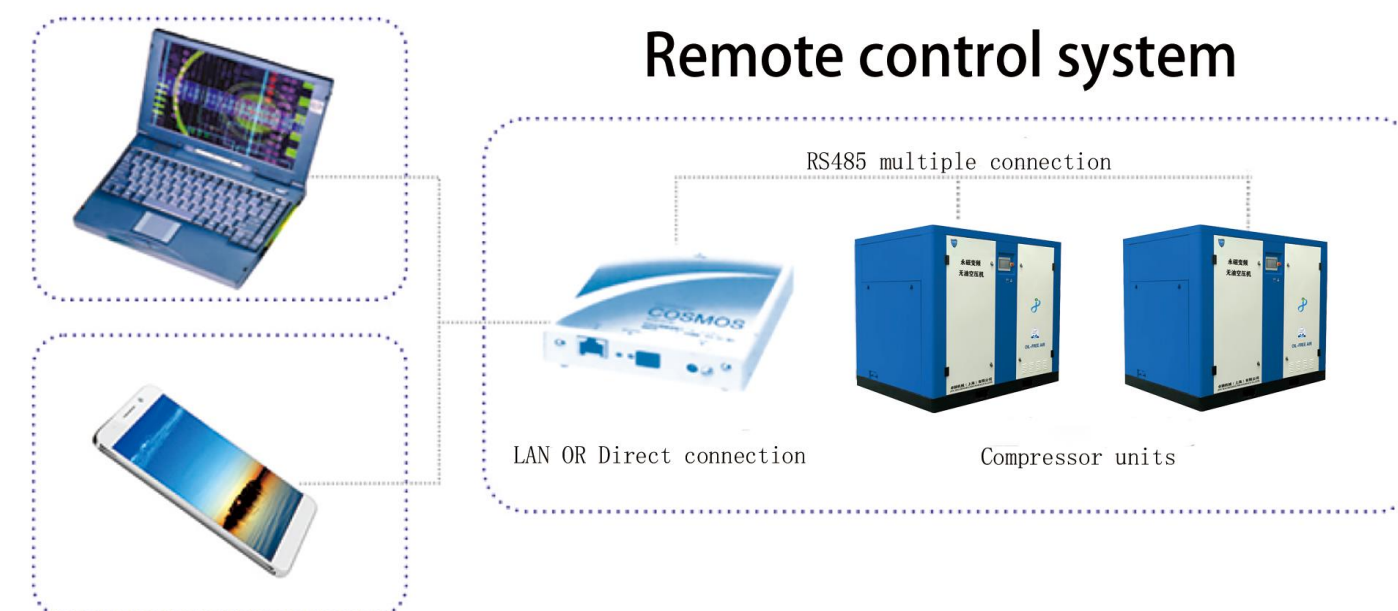
With our own intellectual property rights, all kinds of gas compressors can be made according to the requirements of our customers;

Totally stainless steel air end with independent patents;

Achievements: Gasoline gas compressors, methane compressors, nitrogen compressors, oxygen compressors and other special gas compressors have been successfully developed and applied.



Remote control system





Dry Oil-free Screw Air Compressor (5.5-250KW)

Main components



Optional: Industry leading GHH oil-free air end / domestic air end

The air compression chamber and the oil chamber are completely separated and do not come into contact with each other.

The rotors are made of stainless steel material, which is more reliable.

The rotor and compression chamber walls of the air end is coated with industry-leading super coating (UITRACOAT). It can effectively prevent from softening, peeling and other phenomena that are prone to occur when using general coatings such as Teflon. excellent anti-corrosion properties and reduces meshing gaps.



Permanent magnet variable frequency control system

Large size color LCD touch screen with excellent human-machine communication interface;

Customized vector frequency converter, perfectly matched with the motor;

A dedicated program that fully monitors the various parameters of the machine, automatically controls the machine status, and does not require dedicated supervision;

Independent air duct design, suitable for various working conditions.



Independent air intake system

Independent air intake ensures that the intake temperature is equal to the ambient temperature.

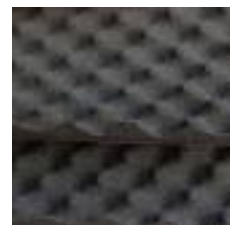
Choosing a large surplus air filter results in better filtration efficiency, lower intake pressure loss, and energy efficiency.

Maintenance and replacement are more convenient.



Noise reduction sheet metal design

Multiple noise reduction design, calculated based on noise theory, with dedicated flame-retardant sound-absorbing cotton pasted inside to reduce unit noise and provide a quieter usage environment.



Silent centrifugal fan

The dry oil-free screw air compressor adopts the latest centrifugal fan with large cooling air volume, low noise, stable and uniform air pressure, which fully utilizes the cooling area of the cooler and significantly reduces the noise level.



Efficient water cooler

The tube nest is a new type of plum blossom shaped copper tube, which has the following advantages over conventional water-cooled heat exchangers:

The cooling water flows through the shell side and passes through multiple sets of baffle components, which increases the turbulence level and reduces the probability of dirt formation on the pipe wall, thereby reducing maintenance costs for users;

The gas flows through the tube and the fins extend axially inside the tube, making it safe and reliable to use, and the fins are not easily detached;

The tube nest can be independently disassembled, making it convenient for users to maintain and upkeep;

Compressed air flows through the pipe and water flows through the shell to reduce the noise generated by compressed air.



Noise reducing Venturi tube

The first and second stage engines of the air compressor are equipped with the latest developed Venturi tube muffler, as well as an impedance integrated muffler, which can greatly eliminate the noise emitted by the compressor pipeline.



Reliable intake system

Efficient intake valve ensures more stable and reliable operation, avoiding regular replacement of pneumatic components and reducing unnecessary downtime and maintenance costs.



Fixed Frequency Dry Oil-free Screw air compressor (37-315KW)

Adopting German technology (domestic airend optional), it is a highly environmentally friendly and energy-efficient dry oil-free screw compressor certified by TUV CLASS 0.



Imported air end from German
China air end



Totally stainless steel design



TUV Rheinland Level 0 Oil Free
Certification



Efficient gas water separation



YE5 high-efficiency motor



Air consumption free oil mist separation



Low pressure loss, large air filter design



Design of Silent Centrifugal Fan



Product Feature

- Motor Power :37-315 KW
- Discharge delivery: 5.60-52.50 m3/min
- Discharge Pressure: 0.7-1.0 Mpa

TECHNICAL PARAMETERS

Model	JMWD-37A	JMWD-45A	JMWD-55A	JMWD-75A	JMWD-90A	JMWD-110A	JMWD-132A
Capacity/Pressure (m3/min/Mpa)	'---/0.7	7.80/0.7	9.80/0.7	13.00/0.7	16.00/0.7	20.60/0.7	24.80/0.7
	5.60/0.8	6.80/0.8	9.00/0.8	12.20/0.8	13.80/0.8	19.50/0.8	23.00/0.8
	'---/1.0	6.40/1.0	7.80/1.0	11.20/1.0	13.10/1.0	18.80/1.0	19.50/1.0
	---/1.3	---/1.3	---/1.3	---/1.3	---/1.3	---/1.3	---/1.3
Motor	Power (KW)	37	45	55	75	90	110
	Power (HP)	50	60	75	100	120	150
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized					
	Start	Y-Δ Start					
Noise DB (A)	72±2	72±2	72±2	75±2	75±2	75±2	80±2
Working Temp(℃)	-5℃ ~ +45℃						
Discharge Air Temp(℃)	≤ Ambient temperature +15 ℃						
Size	Length(mm)	2000	2200	2000	2200	2200	2200
	Weight(mm)	1300	1500	1300	1500	1400	1500
	Height(mm)	1820	1720	1820	1720	2000	1720
Outlet (Inch)	G1 1/2"	G1 1/2"	G1 1/2"	DN50	DN50	DN65	DN65
Weight(KG)	1800	1950	1800	1850	1900	1950	2000
Cooled way	Air	Water	Air	Water	Air	Water	Air

Model	JMWD-160A	JMWD-185A	JMWD-200A	JMWD-220A	JMWD-250A	JMWD-280A	JMWD-315A
Capacity/Pressure (m3/min/Mpa)	28.50/0.7	32.80/0.7	36.80/0.7	41.50/0.7	46.00/0.7	48.60/0.7	52.50/0.7
	26.30/0.8	28.90/0.8	34.60/0.8	37.30/0.8	42.80/0.8	47.50/0.8	50.60/0.8
	23.80/1.0	27.50/1.0	30.60/1.0	33.00/1.0	38.20/1.0	45.00/1.0	48.50/1.0
	---/1.3	---/1.3	---/1.3	---/1.3	---/1.3	---/1.3	---/1.3
Motor	Power (KW)	160	185	200	220	250	280
	Power (HP)	215	250	270	300	350	375
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized					
	Start	Y-Δ Start					
Noise DB (A)	80±2	80±2	82±2	82±2	82±2	82±2	82±2
Working Temp(℃)	-5℃ ~ +45℃						
Discharge Air Temp(℃)	≤ Ambient temperature +15 ℃						
Size	Length(mm)	3000	2800	3000	2800	4500	3100
	Weight(mm)	1990	1900	1990	1900	2000	2200
	Height(mm)	2180	1990	2180	1990	2150	2105
Outlet (Inch)	DN65	DN65	DN100	DN100	DN100	DN100	DN100
Weight(KG)	3300	3400	3400	3500	5570	5000	5600
Cooled way	Air	Water	Air	Water	Air	Water	Air



PM Dry Oil-free Screw air compressor (37-315KW)

Adopting German technology (domestic airend optional), it is a highly environmentally friendly and energy-efficient dry oil-free screw compressor certified by TUV CLASS 0.



Imported air end from German
China air end



Totally stainless steel design



TUV Rheinland Level 0 Oil Free
Certification



Efficient gas water separation



YE5 high-efficiency motor



Air consumption free oil mist separation



Low pressure loss, large air filter design



Design of Silent Centrifugal Fan



Product Feature

- Motor Power :37-315 KW
- Discharge delivery: 5.60-52.50 m3/min
- Discharge Pressure: 0.7-1.0 Mpa

TECHNICAL PARAMETERS															JOY MACHIERY (SHANGHAI) CO.,LTD.	
Model		JMWD-37APM		JMWD-45APM		JMWD-55APM		JMWD-75APM		JMWD-90APM		JMWD-110APM		JMWD-132APM		
Capacity/Pressure (m3/min/Mpa)		'---/0.7		4.50-7.80/0.7		5.70-9.80/0.7		7.60-13.00/0.7		9.60-16.00/0.7		12.10-20.60/0.7		14.70-24.80/0.7		
		3.60-5.60/0.8		4.00-6.80/0.8		5.20-9.00/0.8		7.20-12.20/0.8		8.10-13.80/0.8		11.60-19.50/0.8		13.60-23.00/0.8		
		'---/1.0		3.70-6.40/1.0		4.40-7.80/1.0		6.60-11.20/1.0		7.60-13.10/1.0		11.10-18.80/1.0		11.50-19.50/1.0		
		---/1.3		---/1.3		---/1.3		---/1.3		---/1.3		---/1.3		---/1.3		
Motor	Power (KW)	37		45		55		75		90		110		132		
	Power (HP)	50		60		75		100		120		150		175		
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized														
	Start	VSD Start														
Noise DB (A)		70±2		70±2		70±2		75±2		75±2		75±2		80±2		
Working Temp(°C)		-5°C ~ +45°C														
Discharge Air Temp(°C)		≤ Ambient temperature +15 °C														
Size	Length(mm)	2000	2200	2000	2200	2000	2200	2200	2200	2200	2200	3000	2800	3000	2800	
	Weight(mm)	1300	1500	1300	1500	1300	1500	1400	1500	1400	1500	1990	1900	1990	1900	
	Height(mm)	1820	1720	1820	1720	1820	1720	2000	1720	2000	1720	2180	1990	2180	1990	
Outlet (Inch)		G1 1/2"		G1 1/2"		G1 1/2"		DN50		DN50		DN65		DN65		
Weight(KG)		1800	1950	1800	1850	1900	1950	2000	2050	2100	2150	3100	3150	3200	3250	
Cooled way		Air	Water	Air	Water	Air	Water	Air	Water	Air	Water	Air	Water	Air	Water	

Model		JMWD-160APM		JMWD-185APM		JMWD-200APM		JMWD-220APM		JMWD-250APM		JMWD-280APM		JMWD-315APM	
Capacity/Pressure (m3/min/Mpa)		16.90-28.50/0.7		19.50-32.80/0.7		21.80-36.80/0.7		24.90-41.50/0.7		27.30-46.00/0.7		31.60-48.60/0.7		34.10-52.50/0.7	
		15.60-26.30/0.8		17.10-28.90/0.8		20.40-34.60/0.8		22.40-37.30/0.8		25.30-42.80/0.8		30.90-47.50/0.8		32.90-50.60/0.8	
		14.10-23.80/1.0		16.30-27.50/1.0		18.10-30.60/1.0		19.80-33.00/1.0		22.70-38.20/1.0		29.30-45.00/1.0		31.50-48.50/1.0	
		---/1.3		---/1.3		---/1.3		---/1.3		---/1.3		---/1.3		---/1.3	
Motor	Power (KW)	160		185		200		220		250		280		315	
	Power (HP)	215		250		270		300		350		375		420	
	Voltage/Hz	380V/3Ph/50Hz, Special voltage can be customized													
	Start	VSD Start													
Noise DB (A)		80±2		80±2		82±2		82±2		82±2		82±2		82±2	
Working Temp(°C)		-5°C ~ +45°C													
Discharge Air Temp(°C)		≤ Ambient temperature +15 °C													
Size	Length(mm)	3000	2800	3000	2800	4500	3100	4500	3100	4500	3100	4500	3100	4500	3100
	Weight(mm)	1990	1900	1990	1900	2000	2200	2000	2200	2000	2200	2000	2200	2000	2200
	Height(mm)	2180	1990	2180	1990	2150	2105	2150	2105	2150	2105	2150	2105	2150	2105
Outlet (Inch)		DN65		DN65		DN100		DN100		DN100		DN100		DN100	
Weight(KG)		3300	3400	3400	3500	5570	5000	5600	5100	5800	5200	5900	5300	6000	5400
Cooled way		Air	Water	Air	Water	Air	Water	Air	Water	Air	Water	Air	Water	Air	Water



Diesel Portable Screw Air Compressor (45-475KW)



Product Features

Stable design with direct connection, the operation is stable and reliable with low noise,

No need for dedicated personnel to guard.

An independent oil and gas cooling system ensures lower operating temperatures for the main engine.

Electric mobile screw air compressors are widely used in heavy industries such as mining, urban construction, road construction, sandblasting, etc., and are easily accessible to power sources.

TECHNICAL PARAMETERS							
Model	Power(KW/HP)	Capacity(m3/min)	Pressure (Mpa)	Outlet	L*W*H (mm)	Weight(KG)	Note
JMCY-4/8	45/60	4	0.8	G1-1/4"	2300*1760*1900	820	2 wheels
JMCY-7/8	58/78	7	0.8	G1-1/4"	2900*1800*2100	960	
JMCY-10/8	70/92	10	0.8	G1-1/2"	2900*1800*2100	1250	
JMCY-12/8	92/123	12	0.8	G1-1/2"	2900*1850*2100	1300	
JMCY-10/10	92/123	10	1	G1-1/2"	2900*1850*2100	1300	
JMCY-15/8	110/150	15	0.8	G2"	2900*1850*2100	1500	
JMCY-10/13	118/157	10	1.3	G2"	2900*1850*2100	1600	
JMCY-13/10	118/157	13	1	G2"	2900*1850*2100	1600	
JMCY-17/8	132/180	17	0.8	G2"	2900*1850*2100	1760	
JMCY-13/13	132/180	13	1.3	G2"	2900*1850*2100	1700	
JMCY-15/13	140/187	15	1.3	G2"	2900*1850*2100	1700	
JMCY-22/8	160/215	22	0.8	G2"	3400*1880*2100	1700	4 wheels
JMCY-20/13	194/259	20	1.3	G2"	3400*1880*2100	1900	
JMCY-26/8	194/259	26	0.8	G2"	3400*1880*2100	1900	
JMCY-30/8	210/280	30	0.8	G2"	3400*1880*2100	2100	
JMCY-13/17-II	150/200	13	1.7	G2"	3400*1860*2100	1960	
JMCY-18/17-II	194/259	18	1.7	G2"	3400*1860*2100	2200	
JMCY-10/20-II	132/160	10	2	G2"	3200*1860*2100	1850	
JMCY-27/20-II	295/393	27	2	G2"	3700*2100*2500	2600	
JMCY-31/20-II	350/467	31	2	G2"	3700*2100*2500	3500	
JMCY-21/21-II	239/319	21	2.1	G2"	3700*2100*2400	2600	
JMCY-15/25-II	239/319	15	2.5	G2"	3700*2100*2400	2600	
JMCY-20/25-III	264/352	20	2.5	G2"	3700*2100*2400	2600	
JMCY-33/25-III	410/547	33	2.5	G2"	4200*2200*2300	3500	
JMCY-35/30-II	475/633	35	3	G2"	4200*2200*2300	3500	
JMCY-32/45-III	475/633	32	4.5	G2"	4900*2300*2200	4800	

Electrical Portable Screw Air Compressor (37-220KW)

Product Features

Stable design with direct connection, the operation is stable and reliable with low noise, No need for dedicated personnel to guard.

An independent oil and gas cooling system ensures lower operating temperatures for the main engine.



Electric mobile screw air compressors are widely used in heavy industries such as mining, urban construction, road construction, sandblasting, etc., and are easily accessible to power sources.

TECHNICAL PARAMETERS							
Model	Power(KW/HP)	Capacity(m3/min)	Pressure (Mpa)	Outlet	L*W*H (mm)	Weight(KG)	Note
JMDY-6/8	37/45	6	8	2-RP3/4	3069*1570*1395	1300	2 wheels
JMDY-7.5/8	45/60	7.5	8		3069*1570*1395	1400	
JMDY-10/8	55/75	10	8	RP1 1/4 2-RP3/4	3530*1980*1887	1700	
JMDY-7.5/13		7.5	13		3530*1980*1887	1700	
JMDY-14/7	75/100	14	7		3300*1980*1831	1900	
JMDY-13/8		13	8		3530*1980*1887	2000	
JMDY-10/13		10	13		3530*1980*1887	1950	
JMDY-16/8	90/125	16	8		3530*1980*1887	2500	
JMDY-13/14.5		13	14.5		3530*1980*1887	2400	
JMDY-20/8	110/150	20	8	2-RP2 2-RP3/4	3700*1980*1940	3000	4 wheels
JMDY-17/13		17	13		3700*1980*1940	2900	
JMDY-22/8	132/180	22	8		3700*1980*1940	3200	
JMDY-17/14.5		17	14.5	1-RP2 2-RP1 1/4	3700*1980*1940	3100	
JMDY-21/13	160/220	21	13		3670*1820*2250	3900	
JMDY-26/8		26	8		3670*1820*2250	3900	
JMDY-18/17		18	17		3670*1820*2250	3800	
JMDY-30/8	185/250	30	8		3670*1820*2250	4300	
JMDY-26/13	220/300	26	13	1-RP2 1-RP1	4200*1950*2350	4900	

Miniature Electrical portable screw air compressor (2.2-7.5KW)



Product Feature

- Motor Power :2.2-7.5 KW
- Discharge delivery: 0.30-10.00 m3/min
- Discharge Pressure: 0.8-1.25 Mpa

Using high-quality airend and motor, stable operation, low failure rate
Equipped with a built-in air tank and wheels on the body, it is easy to move and use, and can replace piston engines

TECHNICAL PARAMETERS











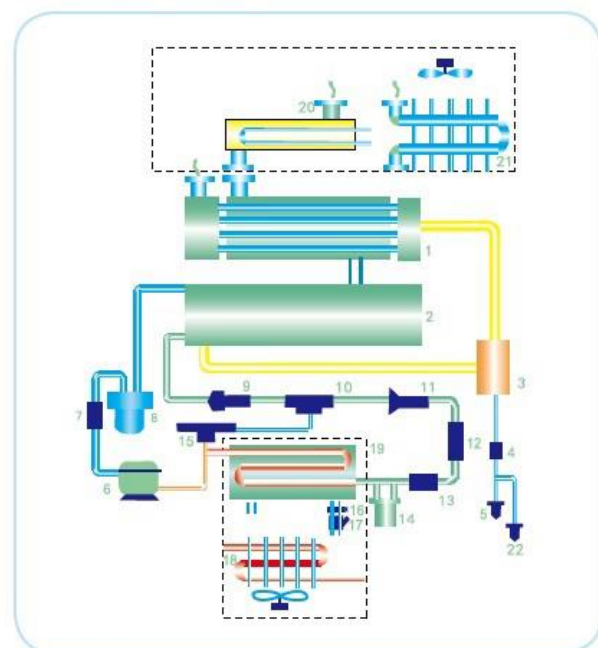
JOY MACHIERY (SHANGHAI) CO.,LTD.

Model	Power (KW/HP)	Voltage (V/Hz)	Capacity (m³/min)	Pressure (Mpa)	Tank volume (L)	Noise level (DB)	Cooled way	L*W*H (mm)	
JMDY-4/10D	2.2/4	220/50	0.3	0.8-1.0	90	78±2	Air cooled	940*365*940	
JMDY-4/10S		380/50	0.3	0.8-1.0					
JMDY-5.5/10D	4.5/6	220/50	0.55	0.8-1.0	120				
JMDY-5.5/10S		380/50	0.55	0.8-1.0					
JMDY-7.5/10S	5.5/7.5	380/50	0.7	0.8-1.0					
JMDY-10/10S	7.5/10	380/50	1.0	0.8-1.0					
JMDY-10/12.5S		380/50	0.8	1.1-1.25					
JMDY-10YPM/10S		380/50	1.0	0.8-1.0					
JMDY-10YPM/10D		220/50	1.0	0.8-1.0					
JMDY-10YPM/12.5D		220/50	0.8	1.1-1.25					



Compressed air purification equipment Refrigerated Air Dryer

Process flow chat of refrigerated air dryer



- 1、 Heat exchanger
- 2、 Evaporator
- 3、 Gas/liquid separator
- 4、 Jam-prevent drain filter
- 5、 Manual draining valve
- 6、 Refrigerated compressor
- 7、 Aspirating filter
- 8、 Vaporization
- 9、 Separator
- 10、 Gas/liquid mixer
- 11、 Thermal expansion valve
- 12、 View monitor
- 13、 Dry filter
- 14、 Tank
- 15、 Hot gas by-pass valve
- 16、 Water adjustable valve
- 17、 Water filter
- 18、 Condenser(Air-cooling)
- 19、 Condenser(Water-cooling)
- 20、 Per-cooler(Water-cooling)
- 21、 Per-cooler(Air-cooling)
- 22、 Auto-drainer

Standard Working Condition

Cooling Way	风冷 Air-cooled
Capacity	1.2-65 m3/min
Power (KW)	0.85-13
Inlet air temperature	≤45℃ (Standard type) ≤80℃ (High TEMP)
Ambient temperature	≤45℃
Pressure dew point	2-10℃
Inlet air pressure	0.4-1.3 Mpa
Pressure drop	≤3% of the working pressure
Refrigerant	R22/R134A/R407C

A refrigerated air dryer lowers the temperature of the compressed air, forcing moisture to condense out. This is lowering the dew point of the air. Especially suitable for the areas free of water or short of water resources.

Our air dryer can handle temperatures up to 80℃ which will work well with any air compressor.

Standard Working Condition

Cooling Way	Water-cooled
Capacity	11-300 m3/min
功率 Power (KW)	2.5-60
Inlet air temperature	≤45℃ (Standard type) ≤80℃ (High TEMP)
Ambient temperature	≤45℃
Pressure dew point	2-10℃
Inlet air pressure	0.4-1.3 Mpa
Pressure drop	≤3% of the working pressure
Refrigerant	R22/R134A/R407C
Cooling water Inlet pressure	0.2-0.4 Mpa

A refrigerated air dryer lowers the temperature of the compressed air, forcing moisture to condense out. This is lowering the dew point of the air. Especially suitable for the areas enough for water resources. Our air dryer can handle temperatures up to 80℃ which will work well with any air compressor.

Normal / High Temperature Air-cooling Refrigerated Air Dryer



Working Condition and Technical Parameters

Inlet temperature: ≤45℃ (≤80℃) Pressure drop: ≤0.03 Mpa
Cooling method: 风冷 Air cooling Dew point: 2~10℃
Inlet pressure: 0.4~1.0 Mpa Refrigerant: R22

TECHNICAL PARAMETERS

Model	JMAD-1N/HTA	JMAD-2N/HTA	JMAD-3N/HTA	JMAD-5N/HTA	JMAD-6N/HTA	JMAD-8N/HTA	JMAD-10N/HTA	JMAD-12N/HTA	JMAD-15N/HTA	JMAD-20N/HTA	JMAD-25N/HTA	JMAD-30N/HTA	JMAD-40N/HTA	JMAD-50N/HTA	JMAD-60N/HTA	JMAD-80N/HTA	JMAD-100N/HTA
Item																	
Air Capacity m3/min	1.5	2.5	3.5	5.5	6.5	8.5	11.5	13.5	16.5	22	27	35	45	55	65	85	110
Voltage/Hz	220V/1Ph/50Hz								380V/3Ph/50Hz								
Compressor Power(KW)	0.5	0.7	0.9	1.0	1.0	1.6	2.0	3.0	3.1	4.5	4.5	6.9	9.2	11	14	18	20
Fan Power (W)	80	95	120	240	240	300	380	420	480	600	600	750	1080	2020	2020	1560	3330
Inlet/outlet Caliber	ZG1	ZG1	ZG1.5	ZG1.5	ZG1.5	ZG2	ZG2.5	ZG2.5	ZG2.5	DN80	DN80	DN100	DN100	DN125	DN125	DN150	DN150
Size	Length(mm)	665	750	800	923	923	995	1125	1125	1120	1300	1300	1600	1800	1900	1900	2500
	Width(mm)	425	420	440	500	500	585	625	625	700	750	750	820	820	900	900	1000
	Height(mm)	560	730	800	910	910	1080	1045	1045	1230	1230	1230	1520	1560	1570	1570	2100
Weight(KG)	37	45	60	76	80	90	120	150	190	260	280	390	420	560	560	680	850

Normal / High Temperature Water-cooling Refrigerated Air Dryer



Working Condition and Technical Parameters

Inlet temperature: ≤45℃ (≤80℃) Pressure drop: ≤0.03 Mpa
Cooling method: 水冷 Water cooling Dew point: 2~10℃
Inlet pressure: 0.4~1.0 Mpa Refrigerant: R22
Cooling water inlet temperature:

TECHNICAL PARAMETERS

Model	JMAD-13N/HTW	JMAD-15N/HTW	JMAD-20N/HTW	JMAD-25N/HTW	JMAD-30N/HTW	JMAD-40N/HTW	JMAD-50N/HTW	JMAD-60N/HTW	JMAD-80N/HTW	JMAD-100N/HTW	JMAD-150N/HTW	JMAD-200N/HTW	JMAD-300N/HTW
Item													
Air Capacity m3/min	13.5	16.5	22	25	35	45	55	65	85	110	160	210	300
Voltage/Hz	380V/3Ph/50Hz												
Compressor Power KW	3.0	3.1	4.5	5.3	6.9	9.2	11.2	14	18	20	30	37	45
Cooled water m3/h	5	6	7	9	11	15	20	22	25	30	40	50	80
Cooled Water Pipe Caliber	DN20	DN25	DN25	DN32	DN32	DN45	DN45	DN45	DN50	DN50	DN65	DN80	DN100
Inlet/outlet Caliber	ZG2.5"	DN65	DN80	DN80	DN100	DN100	DN100	DN125	DN125	DN150	DN200	DN200	DN250
Size	Length(mm)	1125	1120	1300	1300	1600	1800	1900	1900	2500	2800	3300	4000
	Width(mm)	625	700	750	750	820	820	900	900	1000	1000	1750	2000
	Height(mm)	1045	1230	1230	1230	1520	1560	1570	1570	1900	2100	2000	2200
Weight(KG)	160	210	280	300	410	450	530	590	730	900	1400	1700	2000

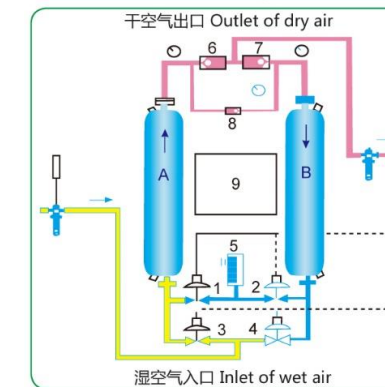


Heatless regenerative adsorption Air Dryer



Working Condition and Technical Parameters

Purge air: $\leq 12 \sim 15\%$
Working pressure: $0.6 \sim 1.0 \text{ Mpa}$
Inlet oil content: $\leq 0.01 \text{ ppm}$
Pressure dew point: $-20 \sim -40^\circ \text{C}$
Desiccant: Activated aluminum or Molecular sieve
Working period: $T = 4 \sim 20$ Minutes
Inlet temperature: $0 \sim 45^\circ \text{C}$



A、B Absorption tower
1、2、3、4 Switch valve
5、 Silencer
6、7 Check valve
8 Throttle
9 Program controller

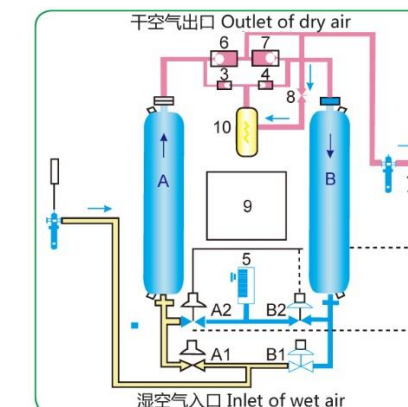
TECHNICAL PARAMETERS														JOY MACHIERY (SHANGHAI) CO.,LTD.										
Item	Model	JMAD-1WXA	JMAD-2WXA	JMAD-3WXA	JMAD-6WXA	JMAD-8WXA	JMAD-10WXA	JMAD-12WXA	JMAD-15WXA	JMAD-20WXA	JMAD-25WXA	JMAD-30WXA	JMAD-40WXA	JMAD-50WXA	JMAD-60WXA	JMAD-80WXA	JMAD-100WXA	JMAD-120WXA	JMAD-150WXA	JMAD-200WXA	JMAD-250WXA	JMAD-300WXA	JMAD-350WXA	JMAD-400WXA
Air Capacity m³/min		1.5	2.5	3.8	6.8	8.5	11.5	13.5	17.0	23.0	27.0	34.0	45.0	55.0	65.0	87.0	110.0	130.0	160.0	210.0	260.0	310.0	360.0	410.0
Inlet/outlet Caliber		ZG1"	ZG1"	ZG1"	ZG1 /2"	ZG2"	ZG2"	ZG2"	DN65	DN65	DN80	DN80	DN100	DN100	DN100	DN125	DN150	DN150	DN200	DN200	DN250	DN250	DN300	DN300
Size	Length(mm)	750	750	1050	1050	1100	1100	1200	1200	1400	1400	1500	1700	1800	1900	2000	2200	2500	2600	2900	3000	3300	3700	4000
	Width(mm)	350	350	500	500	550	550	500	500	500	500	600	800	900	900	900	1000	1200	1500	1600	1800	2000	2100	2700
	Height(mm)	1450	1600	1500	1850	1850	2000	2100	2300	2100	2450	2350	2400	2600	2700	2700	2800	2800	2850	2900	3000	3000	3000	3100
Weight(KG)		100	110	210	300	360	390	500	600	700	920	1050	1200	1500	1700	2200	2700	4100	4900	6400	7700	9020	11900	13100

Heated regenerative adsorption Air Dryer

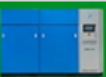


Working Condition and Technical Parameters

Purge air: $\leq 4 \sim 6\%$
Working pressure: $0.6 \sim 1.0 \text{ Mpa}$
Inlet oil content: $\leq 0.01 \text{ ppm}$
Pressure dew point: $-20 \sim -70^\circ \text{C}$
Desiccant: Activated aluminum or Molecular sieve
Working period: $T = 60 \sim 180$ Minutes
Inlet temperature: $0 \sim 45^\circ \text{C}$



A、B Absorption tower
A1、A2、B1、B2 Switch valve
5、 Silencer
3、4、6、7 Check valve
8 Throttle
9 Program controller
10 Heating element

TECHNICAL PARAMETERS											JOY MACHIERY (SHANGHAI) CO.,LTD.													
Item	Model	JMAD-1MXA	JMAD-2MXA	JMAD-3MXA	JMAD-6MXA	JMAD-8MXA	JMAD-10MXA	JMAD-12MXA	JMAD-15MXA	JMAD-20MXA	JMAD-25MXA	JMAD-30MXA	JMAD-40MXA	JMAD-50MXA	JMAD-60MXA	JMAD-80MXA	JMAD-100MXA	JMAD-120MXA	JMAD-150MXA	JMAD-200MXA	JMAD-250MXA	JMAD-300MXA	JMAD-350MXA	JMAD-400MXA
Air Capcity m³/min		1.5	2.5	3.8	6.8	8.5	11.5	13.5	17.0	23.0	27.0	34.0	45.0	55.0	65.0	87.0	110.0	130.0	160.0	210.0	260.0	310.0	360.0	410.0
Inlet/outlet Caliber		ZG1"	ZG1"	ZG1"	ZG1 1/2"	ZG2"	ZG2"	ZG2"	DN65	DN65	DN80	DN80	DN100	DN100	DN100	DN125	DN150	DN150	DN200	DN200	DN250	DN250	DN300	DN300
Heater power (KW)		0.5	1	1.2	2.1	3	4	4	5	6	8	10	12	15	18	27	36	42	54	72	90	113	124.8	145.8
Size	Length(mm)	750	750	1050	1050	1100	1100	1200	1200	1400	1400	1500	1700	1800	1900	2000	2200	2500	2600	2900	3000	3300	3700	4000
	Width(mm)	350	350	500	500	550	550	500	500	500	500	600	800	900	900	900	1000	1200	1500	1600	1800	2000	2100	2700
	Height(mm)	1450	1600	1500	1850	1850	2000	2100	2300	2100	2450	2350	2400	2600	2700	2700	2800	2800	2850	2900	3000	3000	3000	3100
Weight(KG)		120	130	230	330	390	420	550	650	750	970	1150	1300	1600	1800	2350	2850	4300	5200	6700	8000	9270	12200	13400



Combined Low Dew Point Air Dryer



Working Condition and Technical Parameters

Inlet Pressure: 0.6~1.0 Mpa

Dew point:-40~-70°C

Cooled water temperature: ≤32°C

Inlet temperature: ≤45°C

Purge air:3~5%

Pressure drop: ≤0.05 Mpa

TECHNICAL PARAMETERS										JOY MACHIERY (SHANGHAI) CO.,LTD.				
Model Item		JMAD-1AC	JMAD-3AC	JMAD-6AC	JMAD-8AC	JMAD-10AC	JMAD-12AC	JMAD-15AC	JMAD-20AC	JMAD-25AC	JMAD-30AC	JMAD-40AC	JMAD-50AC	JMAD-60AC
Air Capcity m3/min		1.6	3.8	6.8	8.5	11.5	13.5	17	23	27	34	45	55	67
Voltage/Ph/Hz		220V/1Ph/50Hz						380V/3Ph/50Hz						
Compressor Power KW		0.6	1	2	2.5	3	3	3.5	4.2	5.3	6.7	8.3	10	13.3
Fan m3/h		965	3110	6220	8470	8470	8470	8470	8470	10560	10560	15840	15840	18000
Air Pipe Caliber		ZG1"	ZG1.5"	ZG1.5"	ZG2"	ZG2"	ZG2"	DN65	DN65	DN80	DN80	DN100	DN100	DN125
Weight (KG)		25	56	126	155	220	238	275	395	490	600	845	1008	1170
Size	Length(mm)	1170	1250	1470	1500	1760	1760	1760	1960	2030	2220	2340	2340	2520
	Width(mm)	880	885	1010	1060	1120	1180	1360	1440	1480	1640	1710	1800	2000
	Height(mm)	1408	1415	1789	2031	1864	1920	2204	2470	2470	2542	2872	2961	2990
Weight(KG)		305	510	775	920	1060	1190	1325	1740	2060	2375	2960	3320	3445

Precision filter

TECHNICAL PARAMETERS							
JOY MACHINERY (SHANGHAI) CO.,LTD.							
Model	Flow Capacity		Connection Caliber	Dimension (mm)		Filter	Weight
	m3/min	CFM		Length	Width	QTY	KG
JMAF-9/7/5/3/1-001	1.5	53	ZG1"	300	105	1	1.5
JMAF-9/7/5/3/1-002	2.6	92	ZG1"	300	105	1	1.7
JMAF-9/7/5/3/1-003	3.8	134	ZG1.5"	370	125	1	2.5
JMAF-9/7/5/3/1-006	6.8	240	ZG1.5"	500	125	1	3
JMAF-9/7/5/3/1-008	8.5	300	ZG2"	600	140	1	4.5
JMAF-9/7/5/3/1-010	11.5	406	ZG2"	600	140	1	5
JMAF-9/7/5/3/1-012	13.5	477	ZG2"	800	135	1	7.5
JMAF-9/7/5/3/1-015	17	600	DN65	1000	380	1	65
JMAF-9/7/5/3/1-020	23	812	DN80	1100	380	1	70
JMAF-9/7/5/3/1-025	27	953	DN80	1100	420	1	85
JMAF-9/7/5/3/1-030	34	1200	DN100	1100	440	2	90
JMAF-9/7/5/3/1-040	45	1589	DN100	1185	440	2	100
JMAF-9/7/5/3/1-050	55	1942	DN100	1185	517	3	105
JMAF-9/7/5/3/1-060	65	988.4	DN125	1335	517	3	120
JMAF-9/7/5/3/1-080	87	3071	DN150	1335	580	4	160
JMAF-9/7/5/3/1-100	110	3883	DN150	1410	600	5	200
JMAF-9/7/5/3/1-150	165	5825	DN200	1540	600	8	250
JMAF-9/7/5/3/1-200	210	7413	DN200	1568	750	10	300
JMAF-9/7/5/3/1-250	260	9178	DN250	1700	850	12	320
JMAF-9/7/5/3/1-300	320	11296	DN250	1700	850	14	350
JMAF-9/7/5/3/1-350	360	12708	DN300	1750	950	16	420
JMAF-9/7/5/3/1-400	410	14473	DN300	1750	950	19	435

Precision filter level

Filter class	Filter precision	Oil content
	μm	ppm
9	3	5
7	1	1
5	0.01	0.01
3	0.01	0.003
1	0.01	0.001



Air Receiver (0.8-1.6 Mpa)

TECHNICAL PARAMETERS																
No.	Model	Design	Total	Inner	Air Inlet			Air Outlet			Support		Safety	Drain	Weight	
		Temp	Height	Diameter	H2	DN	Thread	H3	DN	Thread	D	d	Valve	Outlet		
		m3/Mpa	°C	H1	Φ								Size	Size	KG	
1	0.3/0.8	110		1594	550	642	50	Rp1"	1242	50	Rp1"	400	20	Rp1/2	R1/2	121
2	0.3/1.0			1594		642			1242							139
3	0.3/1.3			1598		644			1244							167
4	0.3/1.6			1598		644			1244							195
5	0.6/0.8	110		1905	700	680	65	Rp1"	1550	65	Rp1"	490	24	Rp1/2	R1/2	185
6	0.6/1.0			1907		681			1551							217
7	0.6/1.3			1909		682			1552							265
8	0.6/1.6			1907		681			1551							313
9	1.0/0.8	110		2305	800	690	65	Rp1"	1920	65	Rp1"	560	24	Rp3/4	R1/2	283
10	1.0/1.0			2307		691			1921							324
11	1.0/1.3			2305		690			1920							331
12	1.0/1.6			2307		691			1921							338
13	1.5/0.8	110		2265	1000	760	65	Rp2"	1810	65	Rp2"	700	24	Rp3/4	R1/2	408
14	1.5/1.0			2265		760			1810							473
15	1.5/1.3			2267		761			1811							423
16	1.5/1.6			2566		753			2118							488
17	2.0/0.8	110		2780	1000	760	80	Rp2"	2320	80	Rp2"	700	24	Rp1"	R1/2	513
18	2.0/1.0			2780		760			2320							661
19	2.0/1.3			2782		761			2321							538
20	2.0/1.6			2786		763			2323							686
21	2.5/0.8	110		3300	1000	760	80	Rp2"	2840	80	Rp2"	700	24	Rp1"	R1/2	642
22	2.5/1.0			3300		760			2840							724
23	2.5/1.3			3302		761			2841							773
24	2.5/1.6			2836		788			2348							855
25	3.0/0.8	110		2920	1200	850	80	Rp2"	2410	80	Rp2"	906	24	Rp1"	R3/4	735
26	3.0/1.0			2922		851			2411							917
27	3.0/1.3			2926		853			2413							855
28	3.0/1.6			2926		853			2413							1037
29	4.0/0.8	110		3030	1400	910	100	Rp2"	2470	100	Rp2"	1050	24	Rp1"	R3/4	949
30	4.0/1.0			3032		911			2471							1170
31	4.0/1.3			3036		913			2473							1019
32	4.0/1.6			3040		915			2475							1240
33	5.0/0.8	110		3700	1400	910	100	Rp2"	2990	100	Rp2"	1050	24	Rp2	R3/4	1148
34	5.0/1.0			3702		911			2991							1419
35	5.0/1.3			3726		913			3013							1198
36	5.0/1.6			3730		915			3015							1469
37	6.0/0.8	110		4330	1400	910	125	Rp2"	3621	125	Rp2"	1050	24	Rp2	R3/4	1192
38	6.0/1.0			4332		911			3621							1320
39	6.0/1.3			4346		913			3633							1377
40	6.0/1.6			4350		915			3635							1505
41	8.0/0.8	110		3154	2000	1082	125	Rp2"	2362	125	Rp2"	1500	32	Rp2	R3/4	1598
42	8.0/1.0			3156		1083			2363							1605
43	8.0/1.3			3190		1100			2380							1960
44	8.0/1.6			3194		1102			2382							2315
45	10/0.8	110		3754	2000	1082	150	Rp2"	2962	150	Rp2"	1500	32	Rp2%	R3/4	1847
46	10/1.0			3756		1083			2963							2262
47	10/1.3			3790		1100			2980							2658
48	10/1.6			3794		1102			2982							3054
49	12/0.8	110		4354	2000	1082	150	Rp2"	3562	150	Rp2"	1500	32	Rp2%	R3/4	2104
50	12/1.0			4356		1083			3563							2577
51	12/1.3			4390		1100			3580							3026
52	12/1.6			4394		1102			3582							3475
53	15/0.8	110		4531	2200	1208	150	Rp2"	3618	150	Rp2"	1650	32	Rp2%	R1	2422
54	15/1.0			4533		1209			3619							2971
55	15/1.3			4569		1227			3637							3497
56	15/1.6			4573		1229			3639							4023
57	20/0.8	110		5246	2400	1348	200	Rp3	4168	200	Rp3	1800	32	Rp3	R1	3680
58	20/1.0			5250		1350			4170							3693
59	20/1.3			5254		1352			4172							4985
60	20/1.6			5258		1354			4174							6277
61	25/0.8	110		6146	2400	1348	200	Rp3	5068	200	Rp3	1800	32	Rp3	R1	4247
62	25/1.0			6150		1350			5070							4254
63	25/1.3			6154		1352			5072							5785
64	25/1.6			6158		1354			5074							7318
65	30/0.8	110		6706	2500	1373	200	Rp3	5603	200	Rp3	1875	36	Rp3	R1	5054
66	30/1.0			6710		1375			5605							5969
67	30/1.3			6718		1379			5609							6922
68	30/1.6			6722		1381			5611							7875
69	40/0.8	110		8886	2500	1373	200	Rp3	7413	200	Rp3	1875	36	Rp3	R1	6213
70	40/1.0			8890		1375			7415							7362
71	40/1.3			8898		1379			7419							8555



Application cases



Common configuration of air compressor system

