

OPPAIR

4-IN-1 INTEGRATED

SCREW AIR COMPRESSOR
FOR LASER CUTTING MACHINE
MAX CAN BE **16BAR**



Two series difference

	Normal series	Pro series
Air end	Baosi / Hanbell AC	Hanbell AH / AA
Bearing	4	6/8
Air supply	/	More air
Max pressure	16bar	20bar
Noise	65db	55db
Life of air end	/	Longer

Model	OPA-15F/16	OPA-20F/16	OPA-30F/16	OPA-15PV/16	OPA-20PV/16	OPA-30PV/16
Power(kw)	11	15	22	11	15	22
Horsepower(hp)	15	20	30	15	20	30
Air displacement/ Working pressure (m³/min. / bar)	1.0/16	1.2 / 16	2.0 / 16	1.0/16	1.2 / 16	2.0 / 16
Air Tank (L)	500	500	500	500	500	500
Air outlet diameter	DN20	DN20	DN20	DN20	DN20	DN20
Type	Fixed Speed			PM VSD		
Driven method	Direct driven			Direct driven		
Start method	Y-Δ	Y-Δ	Y-Δ	PM VSD	PM VSD	PM VSD
Length (mm)	1830	1830	2050	1830	1830	2050
Width (mm)	720	720	870	720	720	870
Height (mm)	1750	1750	1830	1750	1750	1830
Weight (kg)	480	500	600	480	500	600

Pro Series

Model	OPA-20F/16 Pro	OPA-30F/16 Pro	OPA-20PV/16 Pro	OPA-30PV/16 Pro
Power(kw)	15	22	15	22
Horsepower(hp)	20	30	20	30
Air displacement/ Working pressure (m³/min. / bar)	1.47 / 16	2.16 / 16	1.47 / 16	2.16 / 16
Air Tank (L)	500	500	500	500
Air outlet diameter	DN20	DN20	DN20	DN20
Type	Fixed Speed	Fixed Speed	PM VSD	PM VSD
Driven method	Direct driven	Direct driven	Direct driven	Direct driven
Start method	Y-Δ	Y-Δ	PM VSD	PM VSD
Length (mm)	1830	2050	1830	2050
Width (mm)	720	870	720	870
Height (mm)	1750	1830	1750	1830
Weight (kg)	520	620	520	620

4-IN-1 INTEGRATED FOR LASER CUTTING MACHINE 20BAR

OPPAIR

Model	OPA-20F/20	OPA-30F/20	OPA-20PV/20	OPA-30PV/20
Power(kw)	15	22	15	22
Horsepower(hp)	20	30	20	30
Air displacement/ Working pressure (m³/min. / bar)	1.01 / 20	1.57 / 20	1.01 / 20	1.57 / 20
Air Tank (L)	500	500	500	500
Air outlet diameter	DN20	DN20	DN20	DN20
Type	Fixed speed		PM VSD	
Driven method	Direct driven		Direct driven	
Start method	Y-Δ		PM VSD	
Length (mm)	1830	2050	1830	2050
Width (mm)	720	870	720	870
Height (mm)	1750	1830	1750	1830
Weight (kg)	550	650	550	650

PRECAUTIONS FOR DAILY USE:

1. If air compressor is used less, the oil and gas barrel needs to be drained regularly, otherwise air end will rust.
2. 4-IN-1 series (OPA series) air tank needs to be flushed with water about once every 8 hours. If automatic drain valve is installed, manual operation is not required.

SIMPLE POWER-ON STEPS:

1. Connect the power supply (after power-on, if it displays: phase sequence error, swap the positions of any two live wires, and then restart)
2. Turn on the air dryer 5 minutes in advance, and then start the air compressor; Then you can use the air compressor normally.

HOW TO CHOOSE AN AIR COMPRESSOR BASED ON LASER CUTTING MACHINE?

Laser cutting machine power	Matching air compressor	Recommended cutting thickness (carbon steel)
Within 6kw	15kw 16bar	Within 6mm
Within 10kw	22kw 16bar or 15kw 20bar	About 8mm
12-30kw	30/37kw 16bar or 20bar	10-25mm



NOTE:

1. If there are other gas equipment in the workshop, air compressor needs to choose bigger one.
2. The above is only a reference matching scheme. According to different brands of laser cutting machines and air compressors, there may be differences in the specific power selection.
3. Multiple laser cutting machines can use the same air compressor to supply air, but the air supply volume must be calculated.

For more knowledge about air compressors
Please search on Youtube: **OPPAIR COMPRESSOR**



How to maintain air compressor:

For specific maintenance videos
please view our youtube video (shown in the lower right corner)

