FIAC

AIR COMPRESSORS

From portable piston units to rotary screw systems for production workshops.



Choose by Air Demand

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Start With Delivered Airflow

Use the tool's air consumption and working pressure. Compare these with free air delivery (FAD) at a stated pressure. A larger receiver gives more reserve for short peaks.

Select a page number to jump to the comparison table. Select an order code to open the supplier listing or technical reference.

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PORTABLE AIR FOR SHORT JOBS

Direct Drive

Use a compact direct-drive compressor for inflation, short blow-downs and intermittent light tools. The 110V Magnum suits compatible site supplies. Choose a wheeled 50L unit when short bursts need a larger reserve.



Cosmos 255 · 50L



ECU XSS 228 · Oil-free

Order Code	Model / Configuration	hp	Tank L	Supply	bar	Disp. CFM	FAD CFM	dB(A)
1166217000	Cosmos 255 (GM50-148)	2	50	230V	8	6		
1129100589	VX50/360 Twin	3	50	230V	10	12.7		
1129102971	Magnum GM148	2	10	110V	8	5.7		72
1129102970	Magnum GM148	2	10	230V	8	6.5		
4116000658	Leonardo XSS 138 · Oil-free	1	6	230V	8	3.7		
F3000	F3000 · Oil-free, accessory kit	1.5	6	230V	8			
4116000715	ECU XSS 228 · Oil-free	1.5	6	230V	8	7.2		
4116000698	XSS 228/24 · Oil-free	1.5	24	230V	8	7.2		

Cosmos 255 datasheet **VX50/360 datasheet** **XSS 228 range data**

Pick by tool demand

Match the tool’s working pressure and air consumption to verified delivered airflow. Oil-free pumps avoid adding compressor lubricant into the airstream. Specify downstream treatment for the job.

Disp. = pump displacement. FAD = free air delivery. Ask your supplier for any unlisted rating.

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AIR WHERE PEOPLE WORK

Low-Noise Piston

Workhorse Whisper pairs an oil-free pump with a compact receiver. The FIAC SCS machines use an acoustic cabinet around a belt-driven pump, with larger receivers for fixed workshop use.



Workhorse Whisper · 5L



FIAC SCS 415/200 · 200L

Order Code	Model / Configuration	hp	Tank L	Supply	bar	Disp. CFM	FAD CFM	dB(A)
OF100/5/110	Workhorse Whisper · Oil-free	1	5	110V	10	3.5		62
OF100/5/230	Workhorse Whisper · Oil-free	1	5	230V	10	3.5		62
OF120/24	Workhorse Whisper · Oil-free	1	24	230V	8	4.25		60
OF240/50	Workhorse Whisper · Oil-free	2	50	230V	8	8.5		62
1680901000	SCS 415/200 · Acoustic cabinet	3	200	230V	10	14	10.5	68
1693662000	SCS 598/300 · Acoustic cabinet	5.5	270	400V	10	22	18.5	69
1692932000	SCS 958/300 · Acoustic cabinet	7.5	270	400V	10	28	23	69

SCS 415/200 data **SCS 598/300 data** **SCS 958/300 data**

Choose by supply and noise

The 230V SCS 415/200 is rated at 68dB(A). The 400V SCS 598/300 and 958/300 are both rated at 69dB(A), with 18.5 and 23.0 CFM FAD respectively at 10 bar.

Disp. = pump displacement. FAD = free air delivery. Ask your supplier for any unlisted rating.

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PORTABLE AND STATIC PISTON COMPRESSORS

Workhorse Belt Drive

Start with a portable unit when air moves between bays. Specify a static receiver for a fixed air main. The 110V crash-bar models give the pump and controls extra protection during transport.



WR3HP-100P-1 · 100L portable

Order Code	Model / Configuration	hp	Tank L	Supply	bar	Disp. CFM	FAD CFM	dB(A)
WR2HP-50P-110V/CB	Workhorse · Crash bar	2	50	110V				
WR2HP-50P-1/CB	Workhorse · Crash bar	2	50	230V				
WR3HP-50P-110V/CB	Workhorse · Crash bar	3	50	110V				
WR3HP-50P-1/CB	Workhorse · Crash bar	3	50	230V				
WR3HP-50P-1	Workhorse · Portable	3	50	230V	10	13	9	
WR3HP-100P-1	Workhorse · Portable	3	100	230V	10	13	9	
WR3HP-150S-1	Workhorse · Static	3	150	230V	10	13	9	
WR3HPXX-150S-1	Workhorse HD · Static	3	150	230V	10	14	10.7	
WR3HPXX-150S-3	Workhorse HD · Static	3	150	400V	10	14	10.7	
WR3HP-200S-1	Workhorse · Static	3	200	230V	10	13	9	
WR3HPXX-200S-1	Workhorse HD · Static	3	200	230V	10	14	10.7	
WR3HPXX-200S-3	Workhorse HD · Static	3	200	400V	10	14	10.7	
WR4HP-200S-1	Workhorse · Static	4	200	230V		17.7	13.2	

Standard or HD?

The 230V 200L standard Workhorse is rated at 9 CFM FAD. The 230V and 400V 200L HD variants are rated at 10.7 CFM FAD. Match the exact supply and start-up requirements before ordering.

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LARGER RECEIVERS AND HIGHER DELIVERY

Tandem & Workshop Pistons

The Workhorse Tandem range puts two pump and motor sets on one 250L receiver. This page also includes the high-output 400V Workhorse and Air Force units, plus separately branded Jasic models listed in the same supplier category.

Order Code	Model / Configuration	hp	Tank L	Supply	bar	Disp. CFM	FAD CFM	dB(A)
WRT28-250S-1	Workhorse Tandem	2 × 3	250	230V	10	28	18	
WRT30-250S-1	Workhorse Tandem	2 × 3	250	230V	10	28.2	21.4	
WRT36-250S-1	Workhorse Tandem	2 × 4	250	230V	10	36.4	26.4	
WRN5.5HP-200S	Workhorse · Static	5.5	200	400V	10	21	17	
WRN5.5HPXX-200S	Workhorse HD · Static	5.5	200	400V	10	23	18.5	
WRN5.5HP-270S	Workhorse · Static	5.5	270	400V	10	21	17	
WRN5.5HPXX-270S	Workhorse HD · Static	5.5	270	400V	10	23	18.5	
WRN7.5HP-270S	Workhorse · Static	7.5	270	400V	10	29	23	
WRN10HP-270S	Workhorse · Static	10	270	400V	10	38.5	29.5	
AF5.5HP-200S	Air Force · Static	5.5	200	400V	10			
JAS3HP-100P	Jasic · Portable	3	100	230V				
JAS3HPXX-200S-3	Jasic HD · Static	3	200	400V				

230V Tandem electrical supply: WRT28 and WRT30 require 30A. WRT36 requires 45A. Confirm the site supply before ordering.

Size the installation

For a fixed compressor, allow room for cooling and service access. If two operators share an air main, allow for simultaneous demand and pressure losses at the farthest tool.

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AIR WHERE MAINS POWER IS UNAVAILABLE

Fuel Star Petrol Compressors

Fuel Star and Workhorse offer 50L units for mobile work and 150L packages for a larger air reserve. Electric-start and standard-start versions carry separate codes. The S1504 is the compact 4L petrol option.



Fuel Star P50-415CB · 50L crash-bar model

Order Code	Model / Configuration	hp	Tank L	Supply	bar	Disp. CFM	FAD CFM	dB(A)
1446324000	FIAC S1504	5	4	Petrol	10			
P50-415CB	Fuel Star · Crash bar	5.5	50	Petrol	10	15	11	
P150-415S	Fuel Star · Static	5.5	150	Petrol	10	15	11	
P150-598S	Fuel Star · Static	9	150	Petrol	10	21	16	
P150-858S	Fuel Star · Static	11	150	Petrol	10	29	23	
P150-858S/ES	Fuel Star · Electric start	11	150	Petrol				

Order the right start configuration

Check the mount, starting method and battery requirements when quoting. For an engine-driven unit, choose a safe outdoor location away from doors, windows and air intakes.

Disp. = pump displacement. FAD = free air delivery. Ask your supplier for any unlisted rating.

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AIR WHERE MAINS POWER IS UNAVAILABLE

Workhorse Engine-Driven

Choose the engine, receiver and starting configuration for your site setup.

Order Code	Model / Configuration	hp	Tank L	Supply	bar	Disp. CFM	FAD CFM	dB(A)
WRP5.5HP-50P/CB	Workhorse · Portable crash bar	5.5	50	Petrol	10	15.6	11.2	
WRP5.5HP-50P	Workhorse · Portable	5.5	50	Petrol	10	15.6	11.2	
WRP5.5HP-50S	Workhorse · Static	5.5	50	Petrol	10	15.6	11.2	
WRP5.5HP-150S	Workhorse · Static	5.5	150	Petrol	10		11.2	
WRP9HP-150S	Workhorse · Static	9	150	Petrol	10	21	16.5	
WRP9HPXX-150S	Workhorse HD · Static	9	150	Petrol	10	24.9	19.9	
WRP9HP-150S/ES	Workhorse · Electric start	9	150	Petrol				
WRP9HPXX-150S/ES	Workhorse HD · Electric start	9	150	Petrol				
WRP11HP-150S	Workhorse · Static	11	150	Petrol	10	29.8	23	
WRP11HP-150S/ES	Workhorse · Electric start	11	150	Petrol	10	29.8	23	
WRDI10HP-150S/ES	Workhorse · Electric start	10	150	Diesel				

Order the right start configuration

Check the mount, starting method and battery requirements when quoting. For an engine-driven unit, choose a safe outdoor location away from doors, windows and air intakes.

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STEADY AIR DEMAND AND DRYER OPTIONS

Fixed-Speed Rotary Screw

Light Silver and New Silver package the screw compressor with a receiver. Dryer-equipped versions carry their own order codes. The Workhorse rotary packages listed here use a 300L receiver and include a dryer.



Light Silver LS 6 200



New Silver NS 10 270D · Dryer

Order Code	Model / Configuration	hp	Tank L	Supply	bar	Disp. CFM	FAD CFM	dB(A)
4116000757	Light Silver LS 6 200	6	200	400V	10		17.6	69
4116000843	Light Silver LS 8 200	8	200	400V	10		25.7	70
4116000548	Light Silver LS 6 200D · Dryer*	6	200	400V	10		17.6	69
4116000844	Light Silver LS 8 200D · Dryer*	8	200	400V	10		25.7	70
4152044001	New Silver NS D 3 200 W	3	200	230V	10		8.7	68
4152040061	New Silver NS 10 270	10	270	400V	10		34.1	69
4152040524	New Silver NS 15 270	15	270	400V	10		49.8	69
4152040530	New Silver NS 20 270	20	270	400V	10		59.3	71
4152044225	New Silver NS 10 270D · Dryer	10	270	400V	10		34.1	69
4152044365	New Silver NS 15 270D · Dryer	15	270	400V	10		49.8	69
4152044371	New Silver NS 20 270D · Dryer	20	270	400V	10		59.3	71
WRSC10D/300	Workhorse Screw · Dryer	10	300	400V	10			64
WRSC15D/300	Workhorse Screw · Dryer	15	300	400V	10			67
WRSC20D/300	Workhorse Screw · Dryer	20	300	400V	10			67

* Documented pressure or dryer variant. Ask your supplier to confirm current availability.

Workhorse screw published output (CFM) · 10hp: 35.3 · 15hp: 52.5 · 20hp: 77.7.

Light Silver datasheet **New Silver datasheet** **Workhorse screw datasheet**

Specify air quality at the tool

An integrated refrigerated dryer reduces moisture in the compressed-air line. Confirm the required dew point and filtration with the equipment maker, especially for finishing or plasma cutting.

Disp. = pump displacement. FAD = free air delivery. Ask your supplier for any unlisted rating.

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FOR DEMAND THAT CHANGES THROUGH THE SHIFT

Variable-Speed Rotary Screw

The inverter varies compressor output as demand changes. New Silver NS SD packages include a dryer and 270L receiver. The X900 and X900D pair a 200L receiver with a choice of dryer configuration.



X900 10 200 · Inverter

Order Code	Model / Configuration	hp	Tank L	Supply	bar	Disp. CFM	FAD CFM	dB(A)
4152045041	New Silver NS SD 10 10 270D	10	270	400V	10		15–34.1	62
4152045084	New Silver NS SD 15 10 270D	15	270	400V	10		12.9–49.5	66
4152045086	New Silver NS SD 20 10 270D	20	270	400V	10		16.5–59.2	69
1839029835	X900 10 200 · Inverter	10	200	400V	10		29.9	63
1839029836	X900D 10 200 · Inverter + dryer	10	200	400V	10		29.9	63

NS SD 20 data **X900 family datasheet**

FIAC rotary screw technical catalogue

Compare airflow across the operating range

Ask for minimum and maximum FAD at your required pressure. If demand varies substantially, use your measured load profile when comparing a variable-speed unit with a fixed-speed package.

Disp. = pump displacement. FAD = free air delivery. Ask your supplier for any unlisted rating.

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ROTARY SCREW FOR A DEDICATED AIR SYSTEM

Airblok Cabinet Compressors

Airblok belt-driven rotary screw cabinets are supplied without an integral receiver. Specify the separate receiver, filtration and dryer around the pressure, flow and air quality the installation needs.



Airblok 103 BD · Cabinet unit

Order Code	Model / Configuration	hp	Tank L	Supply	bar	Disp. CFM	FAD CFM	dB(A)
4152026073	Airblok 103 BD	10	—	400V	10		38.1	63
4152026072	Airblok 103 BD · 8 bar*	10	—	400V	8		43.8	63
4152026074	Airblok 103 BD · 13 bar*	10	—	400V	13		29.3	63
4152026233	Airblok 203 BD	20	—	400V	10		74.5	67
4152026236	Airblok 253 BD	25	—	400V	10		96.1	69
4152026239	Airblok 303 BD	30	—	400V	10		114.4	70
4152026395	Airblok 403 BD	40	—	400V	10		137.7	71

* Documented pressure or dryer variant. Ask your supplier to confirm current availability.

FIAC rotary screw technical catalogue

Pressure changes delivery

The 10hp Airblok 103 BD illustrates the trade-off. Its 8 bar build is rated at 43.8 CFM, its 10 bar build at 38.1 CFM and its 13 bar build at 29.3 CFM. Each pressure has its own order code.

Disp. = pump displacement. FAD = free air delivery. Ask your supplier for any unlisted rating.

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PLAN THE INSTALLATION

Rotary Dimensions & Weights

Use the order code to match the footprint to the quoted machine. Allow extra space for ventilation, pipework and servicing.

Order Code	Configuration	L × W × H (mm)	kg
4116000757	Light Silver LS 6 200	1443 × 608 × 1117	185
4116000843	Light Silver LS 8 200	1443 × 610 × 1118	185
4116000548	Light Silver LS 6 200D · Dryer*	1443 × 608 × 1117	205
4116000844	Light Silver LS 8 200D · Dryer*	1443 × 610 × 1118	205
4152044001	New Silver NS D 3 200 W	1430 × 616 × 1268	160
4152040061	New Silver NS 10 270	1533 × 678 × 1447	257
4152040524	New Silver NS 15 270	1533 × 678 × 1447	286
4152040530	New Silver NS 20 270	1533 × 678 × 1447	305
4152044225	New Silver NS 10 270D · Dryer	1533 × 678 × 1447	296
4152044365	New Silver NS 15 270D · Dryer	1533 × 678 × 1447	329
4152044371	New Silver NS 20 270D · Dryer	1533 × 678 × 1447	348
WRSC10D/300	Workhorse Screw · Dryer	1790 × 800 × 1647	450
WRSC15D/300	Workhorse Screw · Dryer	1890 × 800 × 1787	750
WRSC20D/300	Workhorse Screw · Dryer	1890 × 800 × 1787	780
4152045041	New Silver NS SD 10 10 270D		309
4152045084	New Silver NS SD 15 10 270D		343
4152045086	New Silver NS SD 20 10 270D		364
1839029835	X900 10 200 · Inverter	1550 × 750 × 1502	153
1839029836	X900D 10 200 · Inverter + dryer	1550 × 750 × 1502	180
4152026073	Airblok 103 BD	1065 × 615 × 1070	246
4152026072	Airblok 103 BD · 8 bar*	1065 × 615 × 1070	246
4152026074	Airblok 103 BD · 13 bar*	1065 × 615 × 1070	246
4152026233	Airblok 203 BD	1065 × 615 × 1070	270
4152026236	Airblok 253 BD	1130 × 780 × 1220	361
4152026239	Airblok 303 BD	1130 × 780 × 1220	377
4152026395	Airblok 403 BD	1130 × 780 × 1220	470

FIAC rotary technical catalogue

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PLAN THE INSTALLATION

Piston Dimensions & Weights

Use the order code to match the footprint to the quoted machine. Allow extra space for ventilation, pipework and servicing.

Order Code	Configuration	L × W × H (mm)	kg
1166217000	Cosmos 255 (GM50-148)	940 × 320 × 700	
1129100589	VX50/360 Twin	1070 × 320 × 730	62
OF100/5/110	Workhorse Whisper · Oil-free	300 × 330 × 350	17
OF100/5/230	Workhorse Whisper · Oil-free	300 × 330 × 350	17
OF120/24	Workhorse Whisper · Oil-free	600 × 300 × 600	24
OF240/50	Workhorse Whisper · Oil-free	760 × 400 × 670	46
1680901000	SCS 415/200 · Acoustic cabinet		175
WR3HP-50P-1	Workhorse · Portable	1010 × 360 × 730	
WR3HP-100P-1	Workhorse · Portable	1100 × 400 × 830	
WR3HP-150S-1	Workhorse · Static	1350 × 540 × 1040	
WR3HPXX-150S-1	Workhorse HD · Static	1350 × 540 × 1050	
WR3HPXX-150S-3	Workhorse HD · Static	1350 × 540 × 1050	
WR3HP-200S-1	Workhorse · Static	1520 × 540 × 1040	
WRT28-250S-1	Workhorse Tandem	1750 × 480 × 1100	
WRT30-250S-1	Workhorse Tandem	1750 × 480 × 1100	
WRT36-250S-1	Workhorse Tandem	1750 × 480 × 1200	
WRN5.5HP-200S	Workhorse · Static	1520 × 480 × 940	131
WRN5.5HPXX-200S	Workhorse HD · Static	1520 × 480 × 975	
WRN5.5HP-270S	Workhorse · Static	1600 × 500 × 1040	
WRN5.5HPXX-270S	Workhorse HD · Static	1600 × 500 × 1075	
WRN7.5HP-270S	Workhorse · Static	1600 × 500 × 1040	
WRN10HP-270S	Workhorse · Static	1600 × 500 × 1200	
P50-415CB	Fuel Star · Crash bar	1200 × 400 × 690	78
P150-415S	Fuel Star · Static	1350 × 375 × 690	87
P150-598S	Fuel Star · Static	1350 × 480 × 1020	138
P150-858S	Fuel Star · Static	1350 × 480 × 1100	155
WRP5.5HP-50P	Workhorse · Portable	1150 × 375 × 690	
WRP5.5HP-50S	Workhorse · Static	1100 × 375 × 690	
WRP5.5HP-150S	Workhorse · Static	1350 × 480 × 1020	
WRP9HP-150S	Workhorse · Static	1350 × 480 × 1020	
WRP9HPXX-150S	Workhorse HD · Static	1350 × 480 × 1100	
WRP11HP-150S	Workhorse · Static	1350 × 480 × 1100	

FIAC piston range and catalogue

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