

ALKIN FireHosue High Pressure Breathing Air Compressors



*Purely Indicative Picture

Compressor	Alkin Fire House 30
Compressor Model	ALK-F-30-415
Max Working Pressure	414 Barg / 6000 Psig
Inlet Pressure	Atmospheric
FAD	950 L/min / 35 Cfm / 57 M ³ /h
Electric Motor/Drive*	22kW, 30 HP
Electric Mains*	220V, 3Phase
Electric Motor/Drive Safety*	TEFC, F Class, IP 55, IE2/IE3
Compressor Type	Reciprocating Breathing Air
Compressor Block Alignment	W-Shape
No of Stages	4
No of Cylinders	3
RPM**	950
Transmission Type	V-Belt Driven
Lubrication Type	Splash Lubrication
Lubricant Capacity (L)	4
Lubricant	Alkin 100
Cooling System	Air Cooled

ALKIN Compressors

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Cooling Fan Motor Power	0,24 kW (Each)
Cooling Fan Air Flow	5200 m ³ /h (Each)
Cascading	4 Level Cascading with 4x6000 PSI Tanks
Fill Station Fill Capacity	3 Tank at Same Time
Located	Soundproof Canopy (Electrostatically Painted)
Dimensions & Weight (Net)**	56*91*78 inches & 2550 lbs
Breathing Air Quality	EN 12021 & CGA D/E grades & STANAG 1458
Working Temperature	3...45 °C / 38...113 °F
International Warranty	2 Years
Auto Start, Stop & Condensate Drain	✓
PLC Control System	✓

ALKIN, in a constant endeavor for improvement, reserves the right to change any specification without any announcement.

*Electric Mains Range: 110-690V, 50-60Hz, 1-3Ph; AC/DC Motor.

**Dimensions, Weight & RPM might vary depending upon additional features

Standard Features

- 2x P61 Purifier (Stainless Steel) with Refillable Purifier Cartridge (Stainless Steel)
 - *Environment-friendly Refillable Cartridge*
 - *Breathing Air Quality complies with EN 12021 & CGA D/E grades & STANAG 1458*
- High Pressure Particle and Oil Removal Prefilter (Stainless Steel)
- 2nd, 3rd & 4th Stages Water Condensate & Oil Separators (Stainless Steel)
- Intercoolers (Stainless Steel)
- Aftercooler (Stainless Steel)
- Muffler (Silencer)
- Safety Valve for Each Stage
- Check Valve (Non-Return Valve)
- Priority Valve (Pressure Maintaining Valve)
- Intake Air Filter (Micronic)
- Auto Condensate Drain (Environment-friendly)
- Auto Start / Stop (*At any Pressures of Choice*)*
- Pressure Switch
- Oil Level Switch (Low Oil Level Shutdown)
- Oil Level Sight Gauge
- **PLC Control & Electric Panel (IP 65)**
 - **PLC Control System (IP 66)**
 - User Friendly Interface & Menus
 - Multiple Language Support (*22 Different Languages*)*
 - Real-Time Monitoring with Instant Working Values
 - Service/Maintenance Notification
 - Retrospective Fault Records
 - Password Protection (3 Level)
 - PLC Function(s) overwrite related Standard Feature(s)

- Main Switch
- 12/24V Control Voltage
- On / Off Buttons
- Hourmeter
- Test & Reset Buttons
- Emergency Stop Pushbutton
- Control LED Lights
- Pressure Gauge for Each Stage, Purifier & Cylinders
- YΔ Starter (*Soft Start*)*
- Phase Monitoring with Auto Stop at Wrong Direction of Rotation
- Thermal Overload Protection for Electric Motor (TEFC, F Class, IP 55, IE2/IE3)
- Thermal Overload Protection for Compressor
- Thermal Overload Protection for Ventilation Fans
- Silent Canopy (Electrostatically Painted)
- Corrosion Resistant Paint
- Anti-Vibration Mounts
- Canopy Isolated from Subbase for Safest & Smoothest Operation
- Maintenance Panels on All 4 Sides
- Emergency Stop if Flywheel-side Panel is Opened
- Tropical Cooling with Dual Electric Ventilation Fans
- 4 Level Cascading on Fill Station
- 3 Position Fill Station to Fill 3 SCBA tanks at Same Time
- Dorr Security Lock on Fill Station
- Adjustable Regulator on Air Out
- Conformity to NFPA 1901
- Production with ISO 9001:2015 Quality Assurance
- Breathing Air Quality complies with EN 12021 & CGA D/E grades & STANAG 1458

Optional Features

- CO Monitoring
- Humidity Monitoring
- Remote 100 FT Hose with Hose Reel