

20ft Machinery/Maintenance Workshop Container

20ft Machinery/Maintenance Workshop Container - Specification



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20 Ft Container Specification

Steel Plate for flooring and finished with marine paint.

Anti-Slip Roofing

1 x Standard double leaf door with hinges and locking bar.

1 x Main Power distribution box.

2 x Personnel access door

1 x Split air conditioning – 18000 BTU

2 x Emergency Lights

4 x 4ft twin fluorescent lightings – 36W

2 x Dry Powder fire extinguisher

2 x Carbon dioxide fire extinguisher

4 x 2-gang power sockets – 220V, 13A

1 x ELCCB Panel

1 x MCB Panel

2 x Transformers (15KVA, 440VAC to 220VAC)

2 x 327 mm x 327 mm x 82 mm Industrial exhaust fan

1 x 4 legged lifting sling c/w shackles, master link and associated certification (DNV Type Approved)

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Low Pressure Breathing Air Compressor – Quincy 5120 E (1 Unit)

Features

High quality, reliable electric motor

Low oil carry over compressor rings

LVD control

Air cooler

Two ASME rated 60-gallon volume tanks

Simple to operate, reliable, and versatile.

Options

Low pressure regulator for downstream pressure

CO and/or CO2 analyzers

Audible and visual alarms for high temperature, low oil and carbon monoxide

Shutdown for high temperature, low oil and carbon monoxide

30 hp motor @ 95 cfm (2690 L/min)

250 psi (17 bar)

Hankinson Water / Oil separator

Hankinson Primary and Secondary Filter

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Low Pressure Breathing Air Compressor – Quincy 5120 E (1 Unit)

Specifications

Item	Value
Charging Rate	87 CFM (2464 L/MIN) @ 175 PSI
Engine	230 / 415 / 460 V E3 / 50 or 60Hz
Engine Power	25 hp (18.6 Kw)
Max Operating Pressure	200 psi (14 bar)
RPM	951
Number of Stages	2
Lubrication	Pressure
Air Quality	Grade D Breathing Air
Dimensions (L x W x H)	96 x 55 x 48 in (244 x 140 x 122 cm)
Weight	2900 lbs (1315 Kg)

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High Pressure Breathing Compressor

Specifications

Item	Value
Compressor Unit	Mariner 320 E
Medium	Breathing Air
Operating pressure	PN 200
Pressure setting, final pressure safety valve	225 bar
Delivery	320 l/min
Sound pressure	83 dB(A)
Weight	158 Kg

Compressor Block

Item	Value
Compressor Block	IK12.14, mod.6
Number of stages	4
Number of cylinders	3
Cylinder bore 1st stage	105 mm
Cylinder bore 2nd stage	105/88 mm
Cylinder bore 3rd stage	28 mm
Cylinder bore 4th stage	12 mm
Piston stroke	40 mm
Intermediate pressure 1st stage	2.5.....3,5 bar

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High Pressure Breathing Compressor

Compressor Block

Item	Value
Intermediate pressure 2nd stage	14.....18 bar
Intermediate pressure 3rd stage	55.....85 bar
Compressor block oil capacity	2.8 l
Oil pressure	3 to 6 bars
Oil type	SAE 30 synthetic oil
Max. permissible ambient temperature	+5 +45°C (+43 +113°F)
Max. permissible inclination of compressor	15°
Max. permissible operating height	02000 m above sea level

Drive Motor

Item	Value
Type	Three phase squirrel cages
Operating voltage	380–415 V, 50 Hz; 380–480 V, 50 Hz
Power	7.5 kW (=10 HP)
Speed	2,910 min ⁻¹
Size	132 S
Type of construction	B 3
Type of enclosure	IP 55
Current rating	15.3 Amps

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High Pressure Breathing Compressor

DIN EN 12021 Breathing Air Standard 2014-07

Item	Value
Oxygen (O ₂)	21 % = ±1 %
Carbon Monoxide (CO)	5 ppm
Carbon Dioxide (CO ₂)	500 ppm
Oil	0.5 mg / m ³
H ₂ O	25 mg / m ³

High-Pressure Breathing Air Quad

Specifications

Item	Value
Equipment	High-pressure Breathing Air Cylinder Quad
Construction	Mild Steel
Painting	Spray painted and colour coded for breathing air

Dimensions

Item	Value
Configuration for 12 CYLS	4 × 3
Length Overall	1045 mm (1.045 Meter)
Width Over all	815 mm (0.815 Meter)

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High-Pressure Breathing Air Quad

Dimensions

Item	Value
Height Over all	2100 mm (2.100 Meter)
Tare Weight	200 Kgs (197.8 Lbs)
Pay Load	800 Kgs (1760.0 Lbs)
Max. Gross Weight	1000 Kgs (2200 Lbs)

Lifting Provisions

Item	Value
Pad Eye Thickness	23 mm DiaMeter (0.905 In.)
Pad Eye Height	100 mm DiaMeter (3.937 In.)
Pad Eye Width	100 mm DiaMeter (3.937 In.)
Pad Eye Hole	25 mm (1.0 In.)
Ground Transport	Forklift slots provided beneath the quads
Damage Protection	Mesh steel frame welded to top of the frame
Name Plate information	Company name, manufacturing date, rack number, serial no. of cylinder, hydrotest date
Certifications	Provided with quad
International	IMCA D 023
Manufacturer	Hydrostatic test certificates
Class	Bureau Veritas Lifting test certificates

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High-Pressure Breathing Air Quad

Cylinder Specification

Item	Value
Cylinder	IL 1.50.229.200
Manufacturing Standard	ISO 9809-1
Dimensions	Length 1480 mm × OD 229 mm × 50.0 Liters
Material	34CrMo4
Manufacturing Process	Hot spinning of seamless steel tubes
Heat Treatment	Hardened quenched and tempered
Working Pressure	200 bars (2900 psi)
Hydrostatic Test Pressure	300 bars (4350 psi)
Minimum Burst Pressure	480 bars (6960 psi)
Volumetric Capacity	50 Liters
Nominal Gas Capacity	10 cu. m (Approx)
Cylinder Outside Diameter	±229 mm (9.015 in.)
Cylinder Length	±1480 mm (1.480 Mtr)
Cylinder Tare Weight	±54 Kgs (118.8 Lbs)
Gas Application	Breathing Air
Neck Thread Specification	25E as per EN-629
Valve	Hand wheel operated valve with bs3 outlet
External Finish	Powder coated as per gas colour code for Breathing Air grey (Ral 7035) with white/black neck

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High-Pressure Medical Oxygen Quad

Specifications

Item	Value
Equipment	High-pressure Medical Oxygen Cylinder Quad
Construction	Mild Steel
Painting	Spray painted and colour coded for Medical Oxygen

Dimensions

Item	Value
Configuration for 12 CYLS	4 × 3
Length Overall	1045 mm (1.045 Meter)
Width Over all	815 mm (0.815 Meter)
Height Over all	2100 mm (2.100 Meter)
Tare Weight	200 Kgs (197.8 Lbs)
Pay Load	800 Kgs (1760.0 Lbs)
Max. Gross Weight	1000 Kgs (2200 Lbs)

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High-Pressure Medical Oxygen Quad

Lifting Provisions

Item	Value
Pad Eye Thickness	23 mm DiaMeter (0.905 In.)
Pad Eye Height	100 mm DiaMeter (3.937 In.)
Pad Eye Width	100 mm DiaMeter (3.937 In.)
Pad Eye Hole	25 mm (1.0 In.)
Ground Transport	Forklift slots provided beneath the quads
Damage Protection	Mesh steel frame welded to top of the frame
Name Plate information	Company name, manufacturing date, rack number, serial no. of cylinder, hydrotest date
Certifications	Provided with quad
International	IMCA D 023
Manufacturer	Hydrostatic test certificates
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High-Pressure Medical Oxygen Quad

Cylinder Specification

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Cylinder	IL 1.50.229.200
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Dimensions	Length 1480 mm × OD 229 mm × 50.0 Liters
Material	34CrMo4
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Hydrostatic Test Pressure	300 bars (4350 psi)
Minimum Burst Pressure	480 bars (6960 psi)
Volumetric Capacity	50 Liters
Nominal Gas Capacity	10 cu. m (Approx)
Cylinder Outside Diameter	±229 mm (9.015 in.)
Cylinder Length	±1480 mm (1.480 Mtr)
Cylinder Tare Weight	±54 Kgs (118.8 Lbs)
Gas Application	Oxygen
Neck Thread Specification	25E as per EN-629
Valve	Hand wheel operated valve with bs3 outlet
External Finish	Powder coated as per gas colour code for Oxygen Black (Ral 9005) with white neck