

The 20ft Machinery Container, certified to DNV 2. 7-1 (not fully combined) consist of the following components:

20 Ft Container Specification

- ✓ Steel Plate for flooring and finished with marine paint.
- ✓ Anti-Slip Roofing
- ✓ 1x Standard double leaf door with hinges and locking bar.
- ✓ 1x Main Power distribution box.
- ✓ 2 x Personnel access door
- ✓ 1x 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
- ✓ 1x ELCCB Panel
- ✓ 1x MCB Panel
- ✓ 2x Transformers (15KVA, 440VAC to 220VAC)
- ✓ 2x 327 mm x 327 mm x 82 mm Industrial exhaust fan
- ✓ 1x 4 legged lifting sling c/w shackles, master link and associated certification (DNV Type Approved)



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

Specifications:

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)



High Pressure Breathing Compressor

Specifications:

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

IK12.14, mod.6

Number of stages	4
Number of cylinders	3
Cylinder bore 1 st stage	105 mm
Cylinder bore 2 nd stage	105/88mm
Cylinder bore 3 rd stage	28 mm
Cylinder bore 4 th stage	12 mm
Piston stroke	40 mm
Intermediate pressure 1 st stage	2.5.....3,5 bar
Intermediate pressure 2 nd stage	14.....18 bar
Intermediate pressure 3 rd 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 ^{b)}	15°
Max. permissible operating height	02000 m above sea level



Drive Motor

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



DIN EN 12021 Breathing Air Standard 2014-07

Oxygen (O2)	21 % = ±1 %
Carbon Monoxide (CO)	5 ppm
Carbon Dioxide (CO2)	500 ppm
Oil	0.5 mg / m ³
H ₂ O	25 mg / m ³

High-Pressure Breathing Air Quad

Specifications

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

Dimensions

Configuration for 12 CYLS	: 4 x 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)



Lifting Provisions

Pad Eye Thickness	: 23 mm Dia Meter (0.905 In.)
Pad Eye Height	: 100 mm Dia Meter (3.937 In.)
Pad Eye Width	: 100 mm Dia Meter (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





Cylinder Specification

Cylinder	: IL 1.50.229.200
Manufacturing Standard	: ISO 9809-1
Dimensions	: Length 1480mm x OD 229mm x 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

High-Pressure Medical Oxygen Quad

Specifications

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

Dimensions

Configuration for 12 CYLS	: 4 x 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)



Lifting Provisions

Pad Eye Thickness	: 23 mm Dia Meter (0.905 In.)
Pad Eye Height	: 100 mm Dia Meter (3.937 In.)
Pad Eye Width	: 100 mm Dia Meter (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



Cylinder Specification

Cylinder	: IL 1.50.229.200
Manufacturing Standard	: ISO 9809-1
Dimensions	: Length 1480mm x OD 229mm x 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	: 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