

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100



Overview of 175-Cfm Air Compressor System

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

The 175-CFM Portable Air Compressor System S01100 consists of a diesel driven, skid-mounted air compressor, an ancillary set, and a spare parts kit. The air compressor provides compressed air up to 175 cfm at 100 psi for salvage operations. The ancillary set includes hoses, a hose repair kit, a manifold, fittings, and a spare parts kit.

System Components for S01100

Alternates

ESSM No	Nomenclature	Type	Qty	NS	Cont
AC0330	AIR COMPRESSOR, 175 CFM @ 100 PSI, DIESEL	BL	1		Y
CP3010	CONTAINMENT POOL, MCHRY, 10' X 6' X 12"	Contents	1		
AC0331	ANCILLARY SET, FOR AC0330 AIR COMPRESSOR	BL	1		Y
AC0332	SPARE PARTS KIT, FOR AC0330 AIR COMPRESSOR	Contents	1		

Baseline verified on 6/23/2014, * Not shown in catalog.

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

ESSM - AC0330 AIR COMPRESSOR, 175 CFM @ 100 PSI, DIESEL



175-Cfm Air Compressor AC0330



175-Cfm Air Compressor Controls and Gauges

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

The 175-CFM Air Compressor AC0330 is a rotary screw-type air compressor driven by a three-cylinder diesel engine. The air compressor is rated at 175 cfm @ 100 psi discharge pressure. The engine and compressor assembly is enclosed in a skid-mounted, sound-insulated, steel enclosure surrounded by a steel frame. The base plate for the air compressor contains forklift pockets to facilitate handling. The fuel source for the compressor is an internally mounted 25-gallon tank.

Specifications		
Type	Description	Qty
Air Compressor Assembly		
Manufacturer	Ingersoll-Rand	
Model	P-175-W-JD-U-GPC	
Air Compressor		
Manufacturer	Ingersoll-Rand	
Model	36005890	
Type	Rotary screw	
No. rotors	2	
Capacity	175 cfm	
Rated pressure	100 psi	
Operating range	70 to 115 psi	
Safety valve setpoint	150 psi	
Disch. temp. range	180 to 200 F	
Engine		
Manufacturer	John Deere	
Model	3179D	
Starting system	12-volt	
Speed		
Full load	2500 rpm	
No load	1400 rpm	
Unloader range	110 to 115 psi	
Fuel	Diesel	
Fuel source	Internal 25-gal tank	
Fuel consumption	2 gph	

Physical Characteristics			
Type	Descriptions		
	Shipping	Operating	
Length	7 ft, 5 in	7 ft, 5 in	

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

Physical Characteristics

Type	Descriptions		
Width	3 ft, 5 in	3 ft, 5 in	
Height	4 ft, 8 in	4 ft, 8 in	
Cube	119 cu ft	119 cu ft	
Footprint	26 sq ft	26 sq ft	
Weight	2650 lb		
Weight (w/75% fuel)	2790 lb	2790 lb	

References

Ref No	Reference
1	TM - Low-Pressure Air Compressor, Ingersoll-Rand Model P-175-W-JD-U- GPC
2	Operating, Maintenance, and Parts Manual, Ingersoll-Rand, P/N 35380302
3	NAVSEA Drawing 6777254, Frame, 175 Cfm Air Compressor

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

ESSM - CP3010 CONTAINMENT POOL, MCHRY, 10' X 6' X 12"



CP3010 Folded



Machinery Containment Pool CP3010

The Machinery Containment Pool CP3010 is a 10' x 6' x 12" urethane berm. It is used to provide a means of catching and containing any oil, fuel, or contaminants, leaking or spilled from the operating equipment it contains.

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

Specifications

Type	Description	Qty
Manufacturer	Basic Concepts	
Model	1003-00449-201A	

Physical Characteristics

Type	Descriptions		
	Shipping	Operating	
Length	3 ft, 3 in	10 ft, 0 in	
Width	2 ft, 5 in	6 ft, 0 in	
Height	0 ft, 9 in	1 ft, 0 in	
Cube	6 cu ft	60 cu ft	
Footprint	8 sq ft	60 sq ft	
Weight	70 lbs	70 lbs	

References

Ref No	Reference
1	None

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

ESSM - AC0331 ANCILLARY SET, FOR AC0330 AIR COMPRESSOR



Ancillary Set for AC0330 Air Compressor AC0331

The Ancillary Set AC0331 contains a manifold, hoses, toolbox, tools, and a manifold/hose repair kit to support one 175-CFM Diesel Air Compressor AC0330. The horseshoe-shaped manifold is configured with two inlets and six outlets, each with an isolation valve. The manifold/hose repair kit contains parts required to service and maintain the hoses and manifold.

Specifications		
Type	Description	Qty
Manufacturer	ESSM Facility	
Model	AC0331	
This set contains the following major items:		
Ancillary set container, 56" x 37" x 23":		1
Containment Pool, 10" x 6" x 12"	ESSM CP3010	1
Spare Parts Kit for AC0330	ESSM AC0332	1
Hose, 3/4" x 10"		2
Hose, 3/4" x 50"		4
Manifold, air, horseshoe-shaped		1
Hose repair kit:		1

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

Specifications

Type	Description	Qty
Clamps, hose, stainless steel		10
Clip, safety (bag of 25)		1
Coupling, air hose 1", w/barb ends		2
Coupling, Air King, w/blank ends		2
Hose mender, two-clamp		4
Lanyard, nylon (bag of 25)		1
Plug, pipe, 3/4"		4
Valve, relief, 3/4"		2
Inventory, laminated		1

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	4 ft, 8 in		
Width	3 ft, 1 in		
Height	2 ft, 0 in		
Cube	29 cu ft		
Footprint	15 sq ft		
Weight	470 lb		

References

Ref No	Reference
1	None

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

ESSM - AC0332 SPARE PARTS KIT, FOR AC0330 AIR COMPRESSOR



Spare Parts Kit for AC0330 Air Compressor AC0332

The Spare Parts Kit AC0332 contains the items necessary to support the operation and maintenance of one 175-CFM Air Compressor AC0330.

Specifications

Type	Description	Qty
Manufacturer	ESSM Facility	
Model	AC0332	
This kit contains the following major items:		
Container, spare parts kit, 28" x 27" x 19":		1
Bowl, fuel filter		1
Desiccant pack		1
Element, compressor oil/air separator		1
Filter, air (engine and compressor)		2
Filter, compressor oil		1
Filter, engine fuel (primary)		1
Filter, engine fuel (secondary)		1
Filter, engine oil		1
Fuse, 15-amp (box of 5)		1

S0300-BV-CAT-010

AIR COMPRESSOR SYSTEM, PORTABLE, 175-CFM, 100-PSI

System - S01100

Specifications

Type	Description	Qty
Inventory, laminated		1
Manifold assembly, submarine air hose		1
V-belt, engine fan		1
V-belt, engine water pump		1

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	2 ft, 4 in		
Width	2 ft, 3 in		
Height	1 ft, 7 in		
Cube	9 cu ft		
Footprint	6 sq ft		
Weight	70 lb		

References

Ref No	Reference
1	None