

M45

45 HP Portable Technical Specifications

Compressor

Gardner Denver / Tamrotor Enduro 6 Rotary Screw Compressor, with Adaptable Compressor Speed, designed to produce more gas flow per bhp!

Engine

Ford 300, 6 cylinder natural gas engine. Net compression horsepower at site: 48 bhp @ 1800 rpm.

Fuel Gas Scrubber

4" dia x 30"h - Provides clean, dry gas for engine consumption. In-line design enables liquids to automatically drain to discharge line.

Gas After Cooler / Oil Cooler

Oil cooler / gas after-cooler, cools discharge gas to within 15°C of ambient temperature

Suction Scrubber with Blow Case

8" dia x 48 "h vertical separator. Designed with automatic drain tank / blow case feature to collect and automatically unload inlet liquids into discharge line.

Discharge Oil/Gas Separator

12" dia x 48"h with coalescing element.

Walk-in Building with Sound Attenuated Walls

7.5' x 11.5' walk-in style building with thermal acoustic insulation and perforated aluminium wall liner. Designed to provide superior sound attenuation.

Control Panel

Murphy Panel, Class I, Div II, w/ extensive monitoring & shutdowns to ensure safe and reliable operation.

FLOW RATES

M45 30-45 HP Model

Inlet Pressure	Discharge Pressure					
	75 PSIG	100 PSIG	125 PSIG	150 PSIG	200 PSIG	250 PSIG
0 PSIG	4.8 e ³ m ³ /d	4.8 e ³ m ³ /d	4.6 e ³ m ³ /d	4.0 e ³ m ³ /d	3.7 e ³ m ³ /d	
5 PSIG	6.1 e ³ m ³ /d	5.7 e ³ m ³ /d	5.7 e ³ m ³ /d	5.6 e ³ m ³ /d	5.2 e ³ m ³ /d	4.9 e ³ m ³ /d
10 PSIG	7.4 e ³ m ³ /d	7.3 e ³ m ³ /d	7.3 e ³ m ³ /d	7.2 e ³ m ³ /d	6.8 e ³ m ³ /d	6.3 e ³ m ³ /d
20 PSIG	10.6 e ³ m ³ /d	10.5 e ³ m ³ /d	10.5 e ³ m ³ /d	10.4 e ³ m ³ /d	8.9 e ³ m ³ /d	7.9 e ³ m ³ /d
30 PSIG		13.8 e ³ m ³ /d	13.7 e ³ m ³ /d	12.0 e ³ m ³ /d	10.3 e ³ m ³ /d	9.4 e ³ m ³ /d
40 PSIG		17.0 e ³ m ³ /d	15.9 e ³ m ³ /d	14.0 e ³ m ³ /d	11.5 e ³ m ³ /d	10.5 e ³ m ³ /d
50 PSIG		20.2 e ³ m ³ /d	19.0 e ³ m ³ /d	16.7 e ³ m ³ /d	13.7 e ³ m ³ /d	11.6 e ³ m ³ /d

70 HP Portable Technical Specifications

Compressor

Gardner Denver / Tamrotor Enduro 12 Rotary Screw Compressor, with Adaptable Compressor Speed, designed to produce more gas flow per bhp!

Engine

Cummins G5.9, 6 cylinder natural gas engine. Net compression horsepower at site: 70 bhp @ 1800 rpm.

Fuel Gas Scrubber

4" dia x 30"h - Provides clean, dry gas for engine consumption. In-line design enables liquids to automatically drain to discharge line.

Gas After Cooler / Oil Cooler

Oil cooler / gas after-cooler, cools discharge gas to within 15°C of ambient temperature

Suction Scrubber with Blow Case

12" dia x 48" h vertical separator. Designed with automatic drain tank / blow case feature to collect and automatically unload inlet liquids into discharge line.

Discharge Oil/Gas Separator

16" dia x 40" h with coalescing element

Walk-in Building with Sound Attenuated Walls

8' x 13' walk-in style building with thermal acoustic insulation and perforated aluminium wall liner. Designed to provide superior sound attenuation.

Control Panel

Murphy Panel, Class I, Div II, w/ extensive monitoring & shutdowns to ensure safe and reliable operation.

FLOW RATES

Inlet Pressure	Discharge Pressure					
	75 PSIG	100 PSIG	125 PSIG	150 PSIG	200 PSIG	250 PSIG
0 PSIG	7.9 e ³ m ³ /d	7.8 e ³ m ³ /d	7.8 e ³ m ³ /d	7.7 e ³ m ³ /d	7.0 e ³ m ³ /d	
5 PSIG	10.9 e ³ m ³ /d	10.8 e ³ m ³ /d	10.8 e ³ m ³ /d	10.7 e ³ m ³ /d	10.0 e ³ m ³ /d	8.7 e ³ m ³ /d
10 PSIG	14.0 e ³ m ³ /d	13.9 e ³ m ³ /d	13.8 e ³ m ³ /d	13.4 e ³ m ³ /d	11.7 e ³ m ³ /d	10.7 e ³ m ³ /d
20 PSIG	20.0 e ³ m ³ /d	19.9 e ³ m ³ /d	17.8 e ³ m ³ /d	16.2 e ³ m ³ /d	13.9 e ³ m ³ /d	13.5 e ³ m ³ /d
30 PSIG	26.1 e ³ m ³ /d	26.1 e ³ m ³ /d	22.1 e ³ m ³ /d	18.4 e ³ m ³ /d	16.2 e ³ m ³ /d	15.0 e ³ m ³ /d
40 PSIG		28.7 e ³ m ³ /d	26.2 e ³ m ³ /d	22.7 e ³ m ³ /d	18.1 e ³ m ³ /d	16.5 e ³ m ³ /d
50 PSIG			31.3 e ³ m ³ /d	27.0 e ³ m ³ /d	21.6 e ³ m ³ /d	18.1 e ³ m ³ /d

99 HP Portable Technical Specifications

Compressor

Gardner Denver / Tamrotor Enduro 25 Rotary Screw Compressor, with Adaptable Compressor Speed, designed to produce more gas flow per bhp!

Engine

Cummins G8.3, 6 cylinder natural gas engine. Net compression horsepower at site: 90 bhp @ 1800 rpm

Fuel Gas Scrubber

4" dia x 30"h - Provides clean, dry gas for engine consumption. In-line design enables liquids to automatically drain to discharge line.

Gas After Cooler / Oil Cooler

Oil cooler / gas after-cooler, cools discharge gas to within 15°C of ambient temperature

Suction Scrubber with Blow Case

16" dia x 65" h vertical separator. Designed with automatic drain tank / blow case feature to collect and automatically unload inlet liquids into discharge line.

Discharge Oil/Gas Separator

20" dia x 60" h with coalescing element

Walk-in Building with Sound Attenuated Walls

9' x 15' walk-in style building with thermal acoustic insulation and perforated aluminium wall liner. Designed to provide superior sound attenuation.

Control Panel

Murphy Panel, Class I, Div II, w/ extensive monitoring & shutdowns to ensure safe and reliable operation.

FLOW RATES

Inlet Pressure	Discharge Pressure				
	100 PSIG	125 PSIG	150 PSIG	200 PSIG	250 PSIG
0 PSIG	14.4 e ³ m ³ /d	13.5 e ³ m ³ /d	12.0 e ³ m ³ /d	9.7 e ³ m ³ /d	
5 PSIG	18.1 e ³ m ³ /d	17.0 e ³ m ³ /d	15.6 e ³ m ³ /d	13.1 e ³ m ³ /d	11.1 e ³ m ³ /d
10 PSIG	22.1 e ³ m ³ /d	19.0 e ³ m ³ /d	18.1 e ³ m ³ /d	15.6 e ³ m ³ /d	13.7 e ³ m ³ /d
20 PSIG	27.5 e ³ m ³ /d	25.0 e ³ m ³ /d	22.5 e ³ m ³ /d	19.3 e ³ m ³ /d	17.0 e ³ m ³ /d
30 PSIG	34.3 e ³ m ³ /d	32.7 e ³ m ³ /d	28.2 e ³ m ³ /d	23.1 e ³ m ³ /d	19.4 e ³ m ³ /d
40 PSIG		38.5 e ³ m ³ /d	34.3 e ³ m ³ /d	26.1 e ³ m ³ /d	22.7 e ³ m ³ /d
50 PSIG		41.9 e ³ m ³ /d	40.6 e ³ m ³ /d	31.2 e ³ m ³ /d	25.7 e ³ m ³ /d