

# M45

## 45 HP 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 <sup>3</sup> m <sup>3</sup> /d	4.8 e <sup>3</sup> m <sup>3</sup> /d	4.6 e <sup>3</sup> m <sup>3</sup> /d	4.0 e <sup>3</sup> m <sup>3</sup> /d	3.7 e <sup>3</sup> m <sup>3</sup> /d	
5 PSIG	6.1 e <sup>3</sup> m <sup>3</sup> /d	5.7 e <sup>3</sup> m <sup>3</sup> /d	5.7 e <sup>3</sup> m <sup>3</sup> /d	5.6 e <sup>3</sup> m <sup>3</sup> /d	5.2 e <sup>3</sup> m <sup>3</sup> /d	4.9 e <sup>3</sup> m <sup>3</sup> /d
10 PSIG	7.4 e <sup>3</sup> m <sup>3</sup> /d	7.3 e <sup>3</sup> m <sup>3</sup> /d	7.3 e <sup>3</sup> m <sup>3</sup> /d	7.2 e <sup>3</sup> m <sup>3</sup> /d	6.8 e <sup>3</sup> m <sup>3</sup> /d	6.3 e <sup>3</sup> m <sup>3</sup> /d
20 PSIG	10.6 e <sup>3</sup> m <sup>3</sup> /d	10.5 e <sup>3</sup> m <sup>3</sup> /d	10.5 e <sup>3</sup> m <sup>3</sup> /d	10.4 e <sup>3</sup> m <sup>3</sup> /d	8.9 e <sup>3</sup> m <sup>3</sup> /d	7.9 e <sup>3</sup> m <sup>3</sup> /d
30 PSIG		13.8 e <sup>3</sup> m <sup>3</sup> /d	13.7 e <sup>3</sup> m <sup>3</sup> /d	12.0 e <sup>3</sup> m <sup>3</sup> /d	10.3 e <sup>3</sup> m <sup>3</sup> /d	9.4 e <sup>3</sup> m <sup>3</sup> /d
40 PSIG		17.0 e <sup>3</sup> m <sup>3</sup> /d	15.9 e <sup>3</sup> m <sup>3</sup> /d	14.0 e <sup>3</sup> m <sup>3</sup> /d	11.5 e <sup>3</sup> m <sup>3</sup> /d	10.5 e <sup>3</sup> m <sup>3</sup> /d
50 PSIG		20.2 e <sup>3</sup> m <sup>3</sup> /d	19.0 e <sup>3</sup> m <sup>3</sup> /d	16.7 e <sup>3</sup> m <sup>3</sup> /d	13.7 e <sup>3</sup> m <sup>3</sup> /d	11.6 e <sup>3</sup> m <sup>3</sup> /d