

# Extended Warranty Protect 5 - our total commitment **quality** and **worry free ownership**

GD 5 Years Warranty - a simple and free of charge extended warranty scheme from Gardner Denver.

**Service Kits - all the parts you need in a single box!**

Using Service Kits allows you to plan compressor maintenance in advance, avoiding surprises and missing parts for a specific service or breakdown. No more wasted time searching for and ordering separate spare parts, service kits are a cost effective maintenance solution.



## Technical data

### ESM 30 - 45 - Fixed Speed Screw Compressors

Gardner Denver model	Nominal Pressure	Drive Motor	FAD <sup>1)</sup>	Noise Level <sup>2)</sup>	Weight	Dimensions L x W x H	Integrated Dryer Option	Pressure dew point <sup>3)</sup>	Weight
	bar g	kW	m <sup>3</sup> /min	dB(A)	kg	mm		°C	
ESM30	7.5	30	5.75	67	905	1722 x 920 x 1659	F30E	3	110
	10		5.01						
	13		4.27						
ESM37	7.5	37	7.00	68	948	1722 x 920 x 1659	F45E	3	120
	10		6.17						
	13		5.30						
ESM45	7.5	45	8.00	69	970	1722 x 920 x 1659	F45E	4	120
	10		7.00					3	
	13		6.11					3	

### ESM 30<sup>e</sup> - 45<sup>e</sup> High Efficiency Version - Fixed Speed Screw Compressors

Gardner Denver model	Nominal Pressure	Drive Motor	FAD <sup>1)</sup>	Noise Level <sup>2)</sup>	Weight	Dimensions L x W x H	Integrated Dryer Option	Pressure dew point <sup>3)</sup>	Weight
	bar g	kW	m <sup>3</sup> /min	dB(A)	kg	mm		°C	
ESM30 <sup>e</sup>	7.5	30	6.00	67	990	1722 x 920 x 1659	F30E	3	110
	10		5.17						
ESM37 <sup>e</sup>	7.5	37	7.12	67	1033	1722 x 920 x 1659	F45E	3	120
	10		6.31						
ESM45 <sup>e</sup>	7.5	45	8.67	67	1055	1722 x 920 x 1659	F45E	4	120
	10		7.54					3	

### VS 30 - 45 - Variable Speed Screw Compressors

Gardner Denver model	Nominal Pressure	Drive Motor	FAD <sup>1)</sup>	Noise Level <sup>2)</sup>	Weight	Dimensions L x W x H
	bar g	[kW	Min - Max	at 70% load	kg	mm
			m <sup>3</sup> /min	dB(A)		
VS30	5 - 10	30	1.33 - 5.53	66	925	1722 x 920 x 1659
VS37	5 - 13	37	1.41 - 6.90	67	952	1722 x 920 x 1659
VS45	5 - 13	45	1.41 - 8.02	70	974	1722 x 920 x 1659

<sup>1)</sup> Data measured and stated in accordance with ISO 1217, Edition 4, Annex C and Annex E and the following conditions: Air Intake Pressure 1 bar a, Air Intake Temperature 20°C, Humidity 0% (Dry).

<sup>2)</sup> Measured in free field conditions in accordance with ISO 2151, tolerance ± 3dB (A).

<sup>3)</sup> Data refer to ISO 7183, working pressure of 7 bar, inlet temperature 35°C and ambient temperature 25°C.



## Technical data

### ESM 55 - 75 Fixed Speed Screw Compressors

Gardner Denver model	Nominal Pressure	Drive Motor	FAD <sup>1)</sup>	Noise Level <sup>2)</sup>	Weight	Dimensions L x W x H
	bar g	kW	m <sup>3</sup> /min	dB(A)	kg	mm
ESM55	7.5	55	10.71	69	1405	1958 x 1138 x 1857
	10		9.50			
	13		8.25			
ESM75	7.5	75	13.98	72	1495	1958 x 1138 x 1857
	10		12.54			
	13		10.50			

### VS 55 - 75 Variable Speed Screw Compressors

Gardner Denver model	Nominal Pressure	Drive Motor	FAD <sup>1)</sup> Min - Max	Noise Level <sup>2)</sup> at 70% Load	Weight	Dimensions L x W x H
	bar g	kW	m <sup>3</sup> /min	dB(A)	kg	mm
VS55	5 - 10	55	2.50 - 10.99	69 - 72	1430	1958 x 1138 x 1857
VS75	5 - 13	75	2.10 - 14.03	72 - 74	1520	1958 x 1138 x 1857

1) Data measured and stated in accordance with ISO 1217, Edition 4, Annex C and Annex E and the following conditions:  
Air Intake Pressure 1 bar a, Air Intake Temperature 20°C, Humidity 0 % (Dry).

2) Measured in free field conditions in accordance with ISO 2151, tolerance ± 3dB (A).



## Technical data

### ESM 90 - 132 Fixed Speed Screw Compressors

Gardner Denver model	Nominal Pressure	Drive Motor kW	FAD <sup>1)</sup> m <sup>3</sup> /min	Noise Level <sup>2)</sup> dB(A)	Weight kg	Dimensions L x W x H mm
	bar g					
ESM90	7.5	90	18.16	73	2513	2337 x 1368 x 2039
	10		15.51			
	13		13.52			
ESM110	7.5	110	21.60	75	2614	2337 x 1368 x 2039
	10		18.85			
	13		16.47			
ESM132	7.5	132	24.45	76	2778	2337 x 1368 x 2039
	10		21.51			
	13		18.70			

### VS 90 - 132 Variable Speed Screw Compressors

Gardner Denver model	Nominal Pressure	Drive Motor kW	FAD <sup>1)</sup> Min - Max m <sup>3</sup> /min	Noise Level <sup>2)</sup> at 70% Load dB(A)	Weight kg	Dimensions L x W x H mm
	bar g					
VS90	5 - 13	90	5.26 - 18.16	72	2768	2337 x 1368 x 2039
VS110	5 - 13	110	5.26 - 21.51	72	2770	2337 x 1368 x 2039
VS132	5 - 13	132	5.26 - 24.35	74	2786	2337 x 1368 x 2039

All models are also available as WATER COOLED versions, for technical specifications please refer to the water cooled technical information sheets.

<sup>1)</sup> Data measured and stated in accordance with ISO 1217, Edition 4, Annex C and Annex E and the following conditions:  
Air Intake Pressure 1 bar a, Air Intake Temperature 20°C, Humidity 0 % (Dry).

<sup>2)</sup> Measured in free field conditions in accordance with ISO 2151, tolerance  $\pm 3$  dB (A).