

Technical data

VS 30 – VS 132 - Variable Speed Screw Compressors

Gardner Denver model	Nominal pressure	Drive motor kW	FAD ¹⁾ m ³ /min	Noise level ²⁾ , 1m dB(A)	Weight kg	Dimensions L x W x H mm	
	bar g						
VS 30	7.5	30	1.34 - 5.50	68	925	1722 x 920 x 1659	
	10		1.30 - 5.07				
VS 37	7.5	37	1.48 - 6.86	70	952		
	10		1.44 - 6.36				
	13		2.19 - 5.52				
VS 45	7.5	45	1.48 - 7.95	73	974		
	10		1.44 - 7.38				
	13		1.78 - 6.44				
VS 55	7.5	55	2.44 - 10.24	71	1726		2158 x 1223 x 1971
	10		2.37 - 9.50				
VS 75	7.5	75	2.26 - 13.64	75	1800		
	10		2.23 - 12.63				
	13		3.07 - 11.21				
VS 90	7.5	90	4.77 - 17.63	74	2768		
	10		4.72 - 16.19				
	13		5.71 - 13.58				
VS 110	7.5	110	4.77 - 20.71	76	2770	2337 x 1368 x 2039	
	10		4.72 - 19.24				
	13		5.20 - 16.49				
VS 132	7.5	132	4.77 - 22.73	77	2786		
	10		4.72 - 21.18				
	13		5.19 - 18.20				

ESM 30 – ESM 132 - Fixed Speed Screw Compressors

Gardner Denver model	Nominal pressure	Drive motor kW	FAD ¹⁾ m ³ /min	Noise level ²⁾ , 1m dB(A)	Weight kg	Dimensions L x W x H mm
	bar g					
ESM 30	7.5	30	5.76	67	923	1722 x 920 x 1659
	10		5.03			
	13		4.30			
ESM 37	7.5	37	7.01	68	966	
	10		6.19			
	13		5.32			
ESM 45	7.5	45	8.01	69	988	
	10		7.02			
	13		6.13			
ESM 50	7.5	45	8.67	67	1055	
	10		7.42			
ESM 55	7.5	55	10.71	69	1725	
	10		9.54			
	13		8.27			
ESM 75	7.5	75	13.76	72	1765	
	10		12.48			
	13		10.51			
ESM 80	7.5	75	14.75	69	2010	
	10		12.32			
ESM 90	7.5	90	17.48	73	2513	2337 x 1368 x 2039
	10		15.52			
	13		13.48			
ESM 110	7.5	110	20.80	75	2614	
	10		18.67			
	13		16.22			
ESM 132	7.5	132	22.89	76	2778	
	10		21.29			
	13		18.59			

ESM 30F - ESM 80F - Fixed Speed Screw Compressors with Integrated Dryer

Gardner Denver model	Nominal pressure	Pressure dew point ³⁾ °C	Weight kg	Dimensions L x W x H mm
	bar g			
ESM 30 F	7.5/10/13	3	1033	1722 x 920 x 1659
ESM 37 F	7.5/10/13	3	1086	
ESM 45 F	7.5/10/13	4/3/3	1108	
ESM 50 F	7.5/10	4/3	1175	2158 x 1223 x 1971
ESM 55 F	7.5/10/13	3	1853	
ESM 75 F	7.5/10/13	3	1904	
ESM 80 F	7.5/10	3	2149	

1) Data measured and stated in accordance with ISO1217, Ed. 4, Annex C & Annex E at the following conditions and the following working pressures are used: 7.5 bar models at 7 bar, 10 bar models at 9 bar and 13 bar models at 12 bar.

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 +/- 3 dB

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