



ES 04/08/11/15

1/30/2017

scroll compressor - oil free - air cooled

04 / 08 / 11 / 15 kW

60Hz / IE3 preliminary data

		PSI	ES04	ES08	ES11	ES15	
FAD / Power consumption	First figures effective volume flow FF ³ /min (ISO 1217 / Annex C)	116	14.5	29.0	42.4	56.5	
	Conversion						
	→ 1 bar(g) = 14.5 psi(g)						
	→ 1 m ³ /min = 35.31 cfm						
	1 bar(g) = 100000 Pa						
	1 bar(g) = 1.02 kg/cm ²						
	→ 1 kW = 1.34 HP						
Electrical data	Nominal drive motor power	kW (HP)	3.7 (5)	3.7 (5) x 2	3.7 (5) x 3	3.7 (5) x 4	
	Phase and nominal voltage	Phase/Voltage	1/230	3/230/460	3/230/460	3/230/460	
	Nominal current at nominal voltage	max. Amp.	22	12.7/6.5	12 / 7 x 2	12 / 7 x 3	12 / 7 x 4
	Drive motor enclosure / Insulation class		IP 55↑ / ISO F				
	Drive motor nominal speed / frequency	rpm / Hz	3600 / 60				
	Drive motor efficiency (IE3)	%	88.5				
	Nominal fan motor power (60Hz)	kW (HP)	0.026 (0.035) x 2	0.06 (0.08)	0.12 (0.16)		
Cooling data	Compr. air temp. at 70°F ambient and max. pressure	°F	115↓				
	Ambient temp. standard (min / max)	°F	0 - 104				
	Cooling fan air capacity	f³/m	239	585	1530		
	Static back pressure (at 86° / 95° / 104°F)	PSI	0.025	0.012	0.013		
Dimensions / weight / others	Dimensions (L x W x H)	inch	25.5 x 23.5 x 35.5	40.2 x 29.5 x 65	63 x 29.5 x 68.5		
	Weight	lbs	330	660	990	1210	
	Compressed air outlet	inch	G 1/2	G 3/4	G1		
	Residual oil content of air	mg/m³ (ppm)	< 0.01				
	Noise level at 100% load (EN ISO 2151)	PSI(g)	116				
dB(A)		57	59	61	63		

Data subject to change without notice