



AIR BLOWER PACKAGE DATA SHEET

Positive Displacement Variable Speed Blower

MODEL DATA - Standard Conditions (US Units)

1	Manufacturer:	Kaeser Compressors	Date:	08/01/16
2	Model Number:	EBS 380 M SFC		
3	<input checked="" type="checkbox"/> Main Drive Motor <input type="checkbox"/> Driver Cooling System <input type="checkbox"/> Harmonic Filter <input type="checkbox"/> No Negative Tolerance Data	<input checked="" type="checkbox"/> Control Cubicle <input type="checkbox"/> Lubrication System <input checked="" type="checkbox"/> Discharge Check Valve	<input checked="" type="checkbox"/> VFD <input checked="" type="checkbox"/> Gearbox / Belt Drive <input checked="" type="checkbox"/> Inlet Air Filter	
			VALUE	UNITS
4	Rated Capacity (FAD) at Rated Operating Pressure		1323	cfm
5	Rated Operating Pressure - p ₂		15.00	psig
6	Drive Motor Nameplate Rating		100.0	hp
7	Blower Rated Speed		8300	rpm

Performance Table ^a							
	Discharge Pressure p ₂ (psig) ^b	Delivered Air Flow - FAD (cfm)					
		100% FAD	FAD ^c	FAD ^c	FAD ^c	MIN FAD ^d	
8	14 psig	FAD ^f	1323	1138	931	575	317
		Spec. Power ^e	5.00	5.00	5.07	5.38	6.16
		Blower Speed (rpm)	8300	7140	3980	3950	2500
8	12 psig	FAD ^f	1324	1139	933	579	323
		Spec. Power ^e	4.53	4.53	4.54	4.75	5.26
		Blower Speed (rpm)	8300	7140	5980	3950	2500
8	10 psig	FAD ^f	1324	1138	935	583	329
		Spec. Power ^e	4.10	4.10	4.05	4.18	4.54
		Blower Speed (rpm)	8300	7140	5980	3950	2500
8	8 psig	FAD ^f	N/A	N/A	N/A	N/A	N/A
		Spec. Power ^e	N/A	N/A	N/A	N/A	N/A
		Blower Speed (rpm)	N/A	N/A	N/A	N/A	N/A

Notes:

a. Based on reference inlet conditions of p_{amb}=14.7 psia, T_{amb}=68°F, RH=36%

b. Discharge pressure in -2 psig increments starting at max, rated operating pressure. To include 8 psig

c. Intermediate points at equal spacing between 100% and Min. Flow (see note d.)

d. Lowest Turned Down FAD

e. Specific power (kW /100 cfm) tolerance of +/- tolerance given by Table 2 in BL 300 unless "No Negative Tolerance" box is checked

f. Delivered air flow +/- tolerance given by Table 2 in BL 300 unless "No Negative Tolerance" box is checked

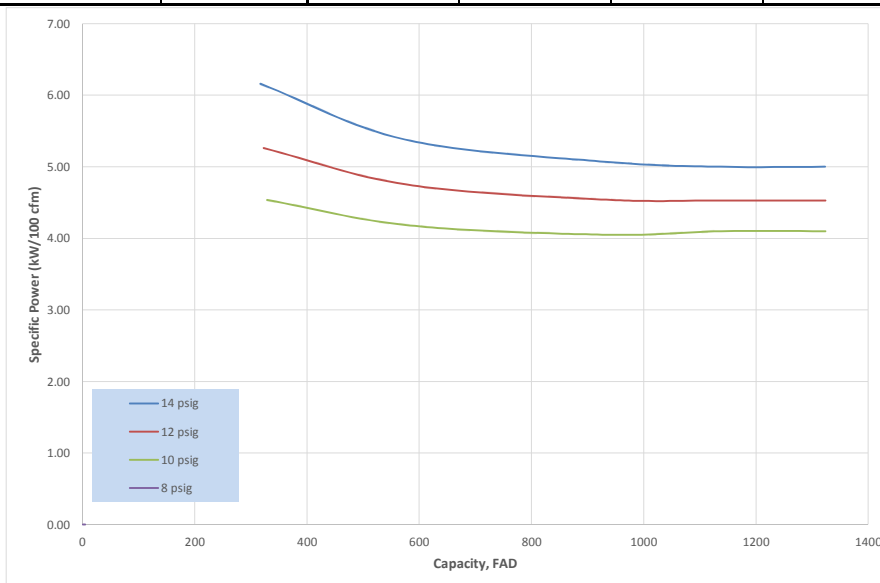


Table 2 from BL 300:	Delivered Air Flow at specified conditions		Delivered Air Flow Rate	Specific Power Consumption	Discharge Pressure
	m ³ /min	ft ³ /min	%	%	%
	Below 0.5	Below 15	+/- 7	+/- 8	-0 / +1
	0.5 to 1.5	15 to 50	+/- 6	+/- 7	-0 / +1
	1.5 to 15	50 to 500	+/- 5	+/- 6	-0 / +1
	Above 15	Above 500	+/- 4	+/- 5	-0 / +1

