



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:	FBS 660 L 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	
4	Rated Capacity (FAD) at Rated Operating Pressure	2324	VALUE	UNITS
5	Rated Operating Pressure - p ₂	9.40		psig
6	Drive Motor Nameplate Rating	100.0		hp
7	Blower Rated Speed	6200		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
8.7 psig	FAD ^f	2328	2002	1627	1012	573
	Spec. Power ^e	3.45	3.45	3.49	3.64	4.04
	Blower Speed (rpm)	6200	5332	4464	2945	1860
8 psig	FAD ^f	2331	2005	1631	1017	577
	Spec. Power ^e	3.25	3.25	3.27	3.39	3.74
	Blower Speed (rpm)	6200	5332	4464	2945	1860
6 psig	FAD ^f	2341	2013	1642	1029	590
	Spec. Power ^e	2.71	2.71	2.67	2.71	2.94
	Blower Speed (rpm)	6200	5332	4464	2945	1860
4.4 psig	FAD ^f	2349	2020	1651	1039	601
	Spec. Power ^e	2.27	2.27	2.19	2.18	2.33
	Blower Speed (rpm)	6200	5332	4464	2945	1860

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

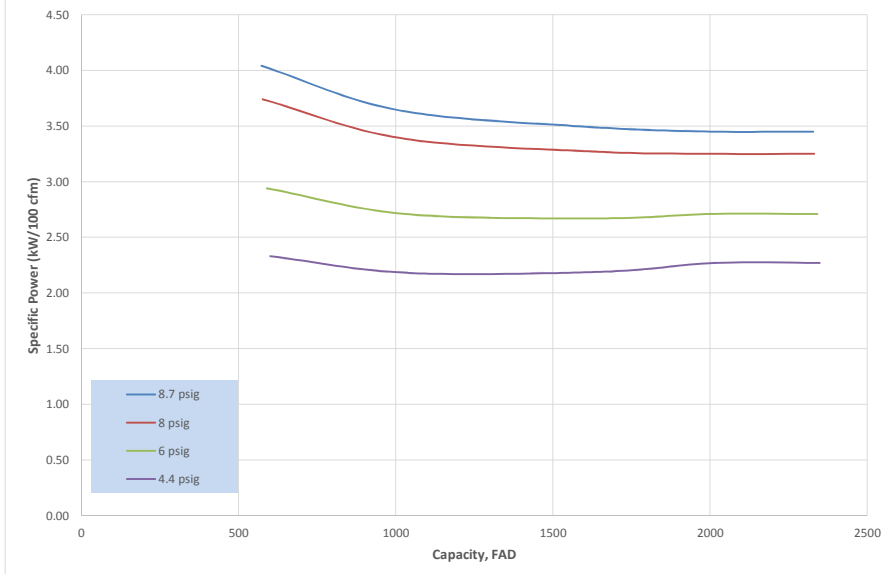


Table 2 from BL 300:	Delivered Air Flow at specified conditions		Delivered Air Flow Rate	Specific Power Consumption	Discharge Pressure
	m ³ /min	ft ³ /min	%	%	%
	Below 0.5	Below 15	+/- 7	+/- 8	-0 / +1
	0.5 to 1.5	15 to 50	+/- 6	+/- 7	-0 / +1
	1.5 to 15	50 to 500	+/- 5	+/- 6	-0 / +1
	Above 15	Above 500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

