



**AIR BLOWER PACKAGE DATA SHEET**  
**Positive Displacement Fixed Speed Blower**

MODEL DATA - Standard Conditions (US Units)				
1	Manufacturer:	<b>Kaeser Compressors</b>	Date: <b>7/28/2016</b>	
2	Model Number:	<b>EBS 380 M STC</b>		
3	<input checked="" type="checkbox"/> Main Drive Motor <input type="checkbox"/> Drive Cooling System <input type="checkbox"/> Lubrication <input checked="" type="checkbox"/> Starters <input checked="" type="checkbox"/> Inlet Air Filter <input checked="" type="checkbox"/> Gearbox / Belt Drive <input checked="" type="checkbox"/> Control Cubicle <input checked="" type="checkbox"/> Check Valve			
		VALUE	UNITS	
4	Rated Capacity (FAD) at Rated Operating Pressure	<b>1265</b>	cfm	
5	Rated Operating Pressure - p <sub>2</sub>	<b>15.0</b>	psig	
6	Drive Motor Nameplate Rating	<b>100.0</b>	hp	
7	Blower Rated Speed	<b>7960</b>	rpm	
8	Performance Table <sup>a</sup>			
	Discharge Pressure <sup>c</sup>		VALUE	
	12.0 psig	Delivered Air Flow - FAD <sup>d</sup>	<b>1267</b>	cfm
		Specific Power <sup>b</sup>	<b>4.37</b>	kW / 100 cfm
		Blower Speed	<b>7960</b>	rpm
	10.0 psig	Delivered Air Flow - FAD <sup>d</sup>	<b>1268</b>	cfm
		Specific Power <sup>b</sup>	<b>3.93</b>	kW / 100 cfm
		Blower Speed	<b>7960</b>	rpm
	8.0 psig	Delivered Air Flow - FAD <sup>d</sup>	<b>N/A</b>	cfm
		Specific Power <sup>b</sup>	<b>N/A</b>	kW / 100 cfm
		Blower Speed	<b>N/A</b>	rpm

**Notes:**

- a. Based on reference inlet conditions of p<sub>amb</sub>= 14.7 psia, T<sub>amb</sub> = 68°F, RH=36%.
- b. Specific power (kW / 100cfm.) tolerance given BL 300 table below.
- c. An 8 psig data point is required. Tolerance for discharge pressure given below
- d. Delivered air flow tolerance given by BL 300 table below.



Table 2 from BL 300:				
Delivered Air Flow at specified conditions		Delivered Air Flow Rate	Specific Power Consumption	Discharge Pressure
m <sup>3</sup> /min	ft <sup>3</sup> /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