KLPS Unit Capacities

KLPS, UNIT CAPACITIES

Unit Size	Inlet Size	KLPS with PSC Motor							
		Primary Airflow		Fan Airflow		Motor HP	Motor Amps		
		Max.	Min.	Max.	Min.		120V	208/240V	277V
3	8	920	160 or 0	1075	460	1/4	5.8	2.6	2.2
	10	1075	250 or 0						
4	10	1425	250 or 0	1650	805	(2)1/6	6.9	3.7	2.7
	8x14	1650	360 or 0						
5	10	1425	250 or 0	1970	840	1/2	8.4	4.2	3.7
	12	1970	360 or 0						
	14	1970	480 or 0						

Unit Size	Inlet Size	KLPS with ECM Motor							
		Primary Airflow		Fan Airflow		Motor HP	Motor Amps		
		Max.	Min.	Max.	Min.		120V	208/240V	277V
1	4	230	40 or 0	850	125	1/3	5.0	3.3	2.6
	5	320	60 or 0						
	6	515	90 or 0						
	7	700	120 or 0						
2	6	515	90 or 0	925	140	1/3	5.0	3.3	2.6
	8	920	160 or 0						
3	6	515	90 or 0	1125	170	1/3	5.0	3.3	2.6
	8	920	160 or 0						
	10	1100	250 or 0						
4	10	1430	250 or 0	1900	285	(2)1/3	10.0	6.6	5.2
	8x14	1900	360 or 0						
5	8	920	160 or 0	1790	265	1/2	7.7	5.0	4.1
	10	1430	250 or 0						
	12	1745	360 or 0						
	14	1745	480 or 0						

NOTES: KLPS maximum primary airflow (CFM) is based on 1.00" WG differential pressure signal from inlet airflow sensor until the value reaches maximum fan CFM for that unit size. A properly balanced unit will be set so the maximum primary CFM is never greater than the fan CFM. Minimum recommended airflow (CFM) is based on 0.03" WG differential pressure of the inlet airflow sensor, or 0 CFM. 0.03" WG is equal to 15%–20% of the nominal flow rating of the terminal. Less than 15%-20% may result in greater than +/-5% control of box flow. Maximum/minimum fan airflow (CFM) is based on 0.10"/0.60" WG external downstream static pressure. See page B2-98 and B2-99 for complete fan curves. KLPS size 4 motor amps includes amperage for two motors.

KLPS Damper Leakage

KLPS, DAMPER LEAKAGE DETAIL

Inlet Size	Damper Leakage		
	1.5" WG CFM	3.0" WG CFM	6.0" WG CFM
4	4	5	7
5	4	5	7
6	4	5	7
7	4	5	7
8	4	5	7
10	4	5	7
12	4	5	7
14	4	6	8

NOTES: Damper leakage is measured with the damper fully closed using an actuator. A precision low flow orifice is used upstream of the unit to measure the leakage rate as a function of the measured upstream static pressure. Leakage testing conducted in accordance with ASHRAE 130-2008.

KLPS Exploded View

KLPS, EXPLODED VIEW