

Whisper Jet® LE Burner

The Astec Whisper Jet LE burner is ready to meet your production needs with both long-nose and short-nose versions available in a range of capacities with multi-fuel capability. The Astec Whisper Jet LE burner delivers excellent flame stability with low energy consumption.

LOW ENERGY CONSUMPTION

Energy saving are achieved with the use of a Variable Frequency Drive (VFD) on the combustion air motor. The use of VFD technology reduces electric consumption which in turn provides energy savings. Low motor starting current reduces utility demand charges, as well as reduction of thermal and mechanical stresses on the motor during starts.

EXCELLENT FLAME STABILITY

The Astec Whisper Jet LE efficiently mixes air and fuel at the nozzle. This nozzle mix design results in excellent flame stability.

BETTER TUNING

The Whisper Jet LE burner uses the highest quality, field-proven components. Independent motors allow operators to precisely tune the burner by altering the fuel-to-air ratio at any firing rate.

QUIET OPERATION

True to its name, the Whisper Jet LE burner is designed and equipped to reduce burner noise over competitive burners. The Whisper Jet LE is even quieter at the lower firing range compared to a standard Whisper Jet due to a lower fan speed.

BURNER FIRING SPECS

MODEL NUMBER	WJLE-35	WJLE-50	WJLE-75	WJLE-100	WJLE-125	WJLE-150
MAX RATED CAPACITY MILLIONS OF BTU/HR (WITH 20% XSA)	38.5	55	82.5	110	137.5	165
NOMINAL AGGREGATE DRYING CAPACITY TPH (AT 5% MOISTURE)	140	200	300	400	500	600
BURNER AIR CAPACITY SCFH (MILLIONS)	0.46	0.65	1.00	1.30	1.60	2.00
INTEGRAL BLOWER HORSEPOWER	40	50	75	100	125	150
OIL ATOMIZING AIR REQUIREMENT SCFM (LOW FIRE / HIGH FIRE)	55/42	80/55	90/55	90/55	120/70	140/90

Above conditions are standard at 75° F at sea level. See detailed capacity, performance sheets for each size for more information and specific flows and pressures. Nominal aggregate drying capacity based on typical exhaust stack temperatures of 240° F, 0.2 BTU/Lbm F specific heat in the aggregate. Advertised numbers are achievable in some conditions, but not guaranteed.

