


	Limpsfield	Industrial Combustion	C-B ProFire	Weishaupt	PowerFlame	Webster	Riello	ST Johnson
								
10 HP to 50 HP Gas	LP Series	Q Series	Q Series	W Series	Type AC, Type C, Type JA	JB Series (10 to 300 HP)	RS Series	DHF Series
30 HP to 250 HP Gas/#2 Oil	LP series & LC series	V Series	V Series	WM Monarch series	Type C	JBS(X) Series (40 to 400 HP)	RLS Series	FD68 series
30 HP to 250 HP Gas/#2-#6 Oil	LC Series	M Series	M Series	n/a	Type CMAX	JB Series (10 to 300 HP)	RLS Series	FD68 series
100 HP to 1000 HP Gas/#2-#6 Oil	LC Series	D Series	D Series	n/a	Type CMAX, Type Vector	HDRV Series	LSE Series	FD68 series
200 HP to 1000 HP Gas/#2 Oil	LC Series	E Series	E Series	WM "Large Burners"	Type CMAX	HDS(X) Series	LSE Series	FD68 series
1000 HP to 1500 HP Gas/#2-#6 Oil	LC Series	S1 Series	S1 Series	n/a	Type CMAX, Type Vector	HDF, HDR_RF Series	ER Series	FD68 series (up to 1200HP)
900 HP to 2200 HP Gas/#2 Oil	LC Series	XL Series	XL Series	WK Series	Type CMAX	HDR_RF Series	ER Series	FD68-RF Series
900 HP to 2600 HP Gas/#2-#6 Oil	LC Series	D, S1 Series to 1500 HP only	NTXL Series	n/a	Type CMAX	✗	ER Series	FD68-RF Series
Oil burners have standard gas manifold	✓	✓	✓	✗	✗	✗		✗
6:1 Turndown gas @ <3% O2	✓	✗	✗	✗	✗	✗	✗	✗
10:1 Turndown gas @ <3% O2	LC Series w/ Spider Head	✗	✗	✗	✗	✗	✗	✗
10:1 Turndown gas @ above 3% O2	✓	V, E, XL Series	V, E, XL Series	W, WM, WK Series	Type C, CMAX	JBS2, JBS(X)(12:1), HDRF (10:1)		✗
5:1 Turndown oil	✓	E, XL Series	E, XL Series	✓	Type C, CMAX	✗		
Large flame viewing port	✓	✗	✗	✗	✗	✗	ER Series	✗
Swing-away door housing	Full access via observation glass	M, D, S1, XL, MTH Series	M, D, S1, XL, MTH Series	✓	n/a	n/a	n/a	✓
O2 % @ Low Fire	Sub 3%	7-9%	7-9%	4-5%	7-9%	5-7%	4-5%	5-7%
Guaranteed sub 3% O2 throughout firing range	✓	✗	✗	✗	✗	✗	ER Series	✗
Minimum O2% without creating CO	1% O2	No published data	No published data	No published data	No published data	No published data	No published data	No published data
<30 PPM NOx with FGR (61.5 mg/Nm3)	LC Series all	V, D, E, S1, XL Series	V, D, E, S1, XL, NT Series	WM, WK, 3 LN Series 70mg/Nm3 (only according to EN676 - BREEM CLASS 3)	Type CMAX	JB, JBS2, JBS(X), HDRMB Series		✓
<9 PPM NOx w/o FGR	In development	MTH Series	MTH Series	In development	Type NPM, Type NP2	✗		NOXmatic
Waste oils and biodiesel firing	LC series	M, D, E, S1, XL Series	M, D, E, S1, XL Series	Yes, on request	✗	n/a		✗
Biogas, Methane, Digester, Towne Gas firing	✓	✓	✓	n/a	✓	✓		✗
Air / Steam atomized oil	LC series	M, D, E, S1, XL Series	M, D, E, S1, XL, NT Series	WM, WK Series	Type CMAX, Type AC			
Pressure atomized oil	LP and LC series	V Series	V Series	Yes	Type C			✓
Direct fire air heaters	LP and LC series	SST, SLT Series	n/a	n/a	Type FD, Type FDM			
Proprietary Controls System	Autoflame	n/a	C-B HAWK PLC based linkageless	Weishaupt W-FM linkageless	n/a	Posi-Control linkageless		
Preheated Air capability	✓	No published data	No published data	✓	No published data	No published data	Yes (ER Series)	No published data
Max preheated air temperature	280degC	No published data	No published data	250 degC	No published data	No published data	250 degC	No published data
Premixed Fuel/Air for shorter flame	✓	✗	✗	✗	✗	✗	✗	✗