



**Energy Consumption on IBM System z9
August + September 2007
Energy Envelope – Max and Typical KW**



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Notes:

Performance is in Internal Throughput Rate (ITR) ratio based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput improvements equivalent to the performance ratios stated here.

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Typical Energy Consumption IBM System z9 EC (KW)

IBM System z9™ Enterprise Class (z9™ EC)	S08	S18	S28	S38
Max	9	12	12	14
Typical 90%	6	9	12	13
Typical 50%	4	7	10	12

Based on field data August and Sept. 2007

No system at max label rating of 18.3 KW

+90% of measured systems within average of hourly averages

+50% of measured systems within average of hourly averages

Typical Energy Consumption System z9 EC S54 (KW)

System z9 EC	S54
Max	15
Typical 90%	13
Typical 50%	11

Based on Field Data August and Sept. 2007
 No system at label power 18.3 KW

Typical Energy Consumption IBM System z9 BC (KW)

IBM System z9 Business Class (z9 BC)	R07	S07
Max	3.5	3.5
Typical 90%	3.0	3.5
Typical 50%	2.5	2.5

Based on field Data August and Sept. 2007
 No System at label power 5.3 KW