

Server Manufacturer	Micro-processor	Total Cores/Sockets	Clock Rate	Peak Performance (ssj_ops)	100% Load Power	50% Load Power	50% Load/100% Power	10% Load Power	10% Load/100% Power	Active Idle Power	Active Idle/100% Power
HP	Xeon E5440	8/2	3.0 GHz	308,022	269 W	227 W	84%	174 W	65%	160 W	59%
Dell	Xeon E5440	8/2	2.8 GHz	305,413	276 W	230 W	83%	173 W	63%	157 W	57%
Fujitsu Seimens	Xeon X3220	4/1	2.4 GHz	143,742	132 W	110 W	83%	85 W	65%	80 W	60%

FIGURE 1.22 SPECPower results for three servers with the best overall ssj_ops per watt in the fourth quarter of 2007. The overall ssj_ops per watt of the three servers are 698, 682, and 667, respectively. The memory of the top two servers is 16 GB and the bottom is 8 GB. Copyright © 2009 Elsevier, Inc. All rights reserved.