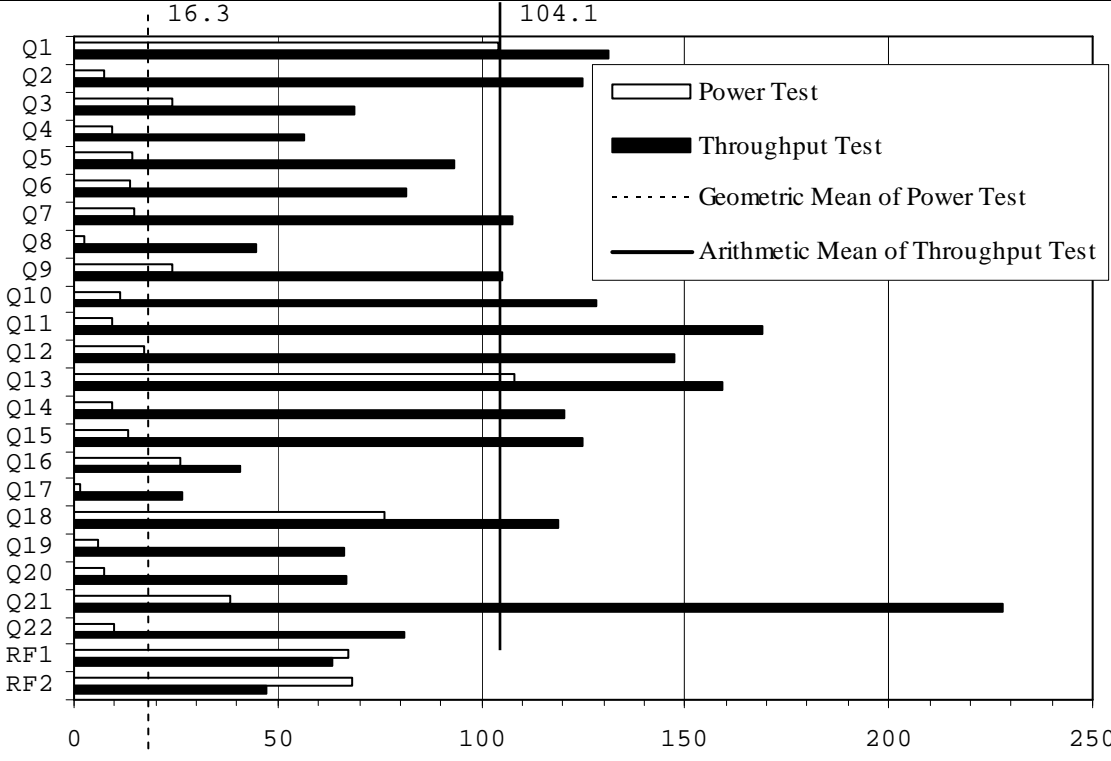
	Kickfire™ Appliance 2400 with MySQL Database		TPC-H Rev. 2.6.2	
			Report Date: May 5, 2008	
Total System Cost		Composite Query Per Hour Metric		Price/Performance
\$48,790		54,895.1		\$0.89
Database Size	Database Manager	Operating System	Other Software	Availability Date
300GB	MySQL5.1 with Kickfire database	CentOS 5.0	None	October 14, 2008
				
Database Load Time 02:40:54		Load Included Backup: N	Total Data Storage / Database Size = 1.81	
RAID (Base tables only): N		RAID (Base tables and auxiliary data structures): N		RAID (All): Y

System Configuration:

- 1 x Kickfire Base Server Module, with:
 - 2 Intel Xeon E5440 2.83GHz processors (each is 1 chip, 4 cores, 4 threads)
 - 16 GB RAM
 - 8 x 73 GB (15K RPM) internal SAS disks
- 1 x Kickfire Query Processing Module, with 128 GB RAM

Total Storage: 544 GB
(1 GB = 2³⁰ bytes)



**Kickfire™ Appliance 2400
with MySQL Database**

TPC-H Rev. 2.6.2

Report Date: May 5, 2008

Description	Part No.	Src	Unit Price	Qty	Ext. Price	3 Yr. Main.
<p><i>Kickfire Database Appliance Series 2400</i> Includes: BSM: 2-CPU's, 16 GB RAM, 8 X 73GB 15K RPM SAS Drives QPM: 128GB RAM, SQL Chip MySQLEnterprise v5.1, KickfireDB v1.0, KickFire Utilities</p> <p><i>Kickfire Discount (18%)</i> discount K2400-0001 (includes Net 30)</p> <p><i>Kickfire 3 Year, 24X7, 4Hr. H/W Basic Support</i> Includes: Kickfire and MySQL S/W support</p> <p>Total 3 Yr Cost in USD</p> <p>QphH @ 300GB USD\$/QphH @ 300GB</p> <p>Source: 1 – Kickfire Inc.</p> <p>Note: Discount is computed based on purchase price and volume; similarly sized models will receive similar discount as quoted here</p> <p>Price available by contacting Kickfire Sales at sales@kickfire.com or (408) 450-5400</p>	K2400-0001	1	\$57,400	1	\$57,400	
					(\$10,332)	
	KS0000-1001	1	\$1,722	1		\$1,722
					\$47,068	\$1,722
					\$48,790	
					54,895.1	
					0.89	

Audited by: Lorna Livingtree of Performance Metrics Inc.

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed components. For complete details, see the pricing sections of the TPC benchmark specifications.



**Kickfire™ Appliance 2400
with MySQL Database**

TPC-H Rev. 2.6.2

Report Date: May 5, 2008

Numerical Quantities

Measurement Results

Database Scale Factor	= 300GB
Total Data Storage/Database Size	= 1.81
Start of database load time	= 00:14:26 04/19/08
End of database load time	= 02:55:20 04/19/08
Database load time	= 02:40:54
Query streams for throughput test	= 6
TPC-H Power	= 66183.9
TPC-H Throughput	= 45531.8
TPC-H Composite Query-per-hour rating (QphH@300GB)	= 54895.1
Total System price over 3 years	= \$48,790
TPC-H Price/Performance metric (\$/QphH@300GB)	= \$0.89 USD

Measurement Intervals

Measurement interval in Throughput test (Ts)	= 3131.0 seconds
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Duration of Stream Execution

Stream ID	Seed	Start Date	Start Time	End Date	End Time	Duration
Stream 0	419025520	04/19/08	07:46:04	04/19/08	07:57:25	11min:21sec
Stream 1	419025521	04/19/08	07:57:25	04/19/08	08:38:34	41min:09sec
Stream 2	419025522	04/19/08	07:57:25	04/19/08	08:36:48	39min:23sec
Stream 3	419025523	04/19/08	07:57:25	04/19/08	08:35:04	37min:39sec
Stream 4	419025524	04/19/08	07:57:25	04/19/08	08:30:26	33min:01sec
Stream 5	419025525	04/19/08	07:57:25	04/19/08	08:35:25	38min:00sec
Stream 6	419025526	04/19/08	07:57:25	04/19/08	08:37:17	39min:52sec
Refresh		04/19/08	08:38:34	04/19/08	08:49:36	11min:02sec



**Kickfire™ Appliance 2400
with MySQL Database**

TPC-H Rev. 2.6.2

Report Date: May 5, 2008

TPC-H Timing Intervals (in seconds)

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Stream 00	104.1	7.3	23.9	9.1	14.1	13.6	14.8	2.3	24.2	11.1	9.1	17.3
Stream 01	138.6	239	62.5	8.8	46.1	36.4	116	14.6	72.8	272.6	420.8	113.8
Stream 02	125.8	103.1	27.6	110.9	19.1	306.0	244.9	17.6	107.6	100.2	156.8	45.0
Stream 03	122.1	8.0	40.0	37.8	133.1	19.5	23.9	135.8	92.4	129.5	69.7	91.6
Stream 04	131.6	21.7	136.1	52.2	89.6	77.7	76.9	13.6	31.6	103.1	49.9	32.1
Stream 05	134.2	366.9	99.9	12.4	143.4	28.2	91.5	67.7	85.9	45.4	271.9	126.8
Stream 06	135.0	9.8	46.7	115.7	129.1	22.1	93.0	19.8	240.9	118.5	45.3	475.8
Minimum	122.1	8.0	27.6	8.8	19.1	19.5	23.9	13.6	31.6	45.4	45.3	32.1
Average	131.2	124.8	68.8	56.3	93.4	81.7	107.7	44.9	105.2	128.2	169.1	147.5
Maximum	138.6	366.9	136.1	115.7	143.4	306.0	244.9	135.8	240.9	272.6	420.8	475.8

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
Stream 00	108.2	9.2	13.3	25.9	1.5	76.0	5.8	7.2	38.5	9.7	67.1	68.1
Stream 01	157.7	223.3	104.0	37.3	44.9	13.2	21.6	115.7	69.3	19.7	64.8	64.5
Stream 02	189.6	180.2	32.6	44.5	6.8	75.6	69.9	33.3	198.4	167.5	64.9	42.4
Stream 03	142.8	18.3	25.9	27.8	28.8	94.1	17.5	14.9	896.1	89.9	62.6	45.3
Stream 04	199.8	217.6	84.5	45.3	33.8	154.9	197.4	115.2	96.2	20.3	61.1	41.8
Stream 05	128.4	29.3	312.2	41.1	41.8	82.8	77.6	27.6	39.6	26.1	62.9	44.7
Stream 06	137.7	52.5	189.6	49.6	1.6	172.9	15.1	93.2	66.5	161.8	62.9	44.5
Minimum	128.4	18.3	25.9	27.8	1.6	75.6	15.1	14.9	39.6	19.7	61.1	41.8
Average	159.3	120.2	124.8	40.9	26.3	118.9	66.5	66.7	227.7	80.9	63.2	47.2
Maximum	199.8	223.3	312.2	49.6	44.9	172.9	197.4	115.7	896.1	167.5	64.9	64.5

