

Large Database Query - 64KiB with 4 I/Os per stream

Test Run Sequence - Ramp-Up Interval

TR11	64 Streams			TR12	32 Streams			TR13	16 Streams			TR14	8 Streams			TR15	1 Stream		
Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms
0:00:00	1,078.14	107.81	1.15	0:07:00	914.25	228.56	0.84	0:14:00	837.02	209.25	0.81	0:21:00	444.99	444.99	0.58	0:28:00	474.11	474.11	0.54
0:00:05	1,650.94	91.72	2.30	0:07:05	1,263.31	210.55	1.05	0:14:05	1,123.70	280.92	0.93	0:21:05	438.18	438.18	0.60	0:28:05	473.54	473.54	0.55
0:00:10	2,793.61	126.98	1.93	0:07:10	1,717.47	143.12	1.27	0:14:10	1,189.88	198.31	0.92	0:21:10	435.88	435.88	0.60	0:28:10	476.39	476.39	0.55
0:00:15	2,984.62	119.38	1.99	0:07:15	2,628.72	202.21	1.25	0:14:15	1,848.51	264.07	0.92	0:21:15	541.13	270.56	0.68	0:28:15	480.51	480.51	0.54
0:00:20	3,221.12	100.66	2.36	0:07:20	2,769.36	197.81	1.32	0:14:20	2,626.48	262.65	0.95	0:21:20	858.50	286.17	0.75	0:28:20	474.73	474.73	0.55
0:00:25	3,428.54	100.84	2.48	0:07:25	2,818.61	176.16	1.40	0:14:25	2,936.01	266.91	0.96	0:21:25	1,061.92	353.97	0.74	0:28:25	478.37	478.37	0.55
0:00:30	4,367.41	114.93	2.16	0:07:30	3,278.01	182.11	1.37	0:14:30	2,990.02	271.82	0.96	0:21:30	1,165.50	291.38	0.75	0:28:30	486.26	486.26	0.54
0:00:35	4,702.13	102.22	2.28	0:07:35	4,025.53	182.98	1.33	0:14:35	2,970.47	270.04	0.97	0:21:35	1,355.02	338.76	0.77	0:28:35	479.61	479.61	0.54
0:00:40	4,824.16	104.87	2.50	0:07:40	4,280.25	178.34	1.38	0:14:40	2,980.39	270.94	0.97	0:21:40	1,589.27	317.85	0.78	0:28:40	476.69	476.69	0.55
0:00:45	4,883.18	99.66	2.53	0:07:45	4,343.78	180.99	1.45	0:14:45	2,971.50	228.58	0.98	0:21:45	1,664.61	332.92	0.79	0:28:45	479.78	479.78	0.54
0:00:50	5,385.08	105.59	2.43	0:07:50	4,690.34	187.61	1.39	0:14:50	3,635.05	259.65	0.97	0:21:50	1,792.76	298.79	0.81	0:28:50	475.53	475.53	0.55
0:00:55	5,603.79	105.73	2.43	0:07:55	4,702.21	188.09	1.39	0:14:55	3,786.63	270.47	0.97	0:21:55	1,888.19	314.70	0.83	0:28:55	478.94	478.94	0.55
0:01:00	5,719.72	102.14	2.50	0:08:00	5,104.52	182.30	1.38	0:15:00	3,806.70	271.91	0.96	0:22:00	1,892.62	315.44	0.83	0:29:00	474.16	474.16	0.55
0:01:05	5,753.13	97.51	2.64	0:08:05	5,305.43	182.95	1.39	0:15:05	3,869.68	257.98	0.95	0:22:05	2,218.85	316.98	0.83	0:29:05	479.82	479.82	0.54
0:01:10	5,783.11	96.39	2.70	0:08:10	5,373.84	185.30	1.41	0:15:10	4,114.62	274.31	0.95	0:22:10	2,216.69	316.67	0.83	0:29:10	471.85	471.85	0.55
0:01:15	5,793.54	93.44	2.74	0:08:15	5,403.44	180.11	1.42	0:15:15	4,128.65	275.24	0.95	0:22:15	2,410.62	301.33	0.83	0:29:15	475.46	475.46	0.55
0:01:20	5,799.24	92.05	2.84	0:08:20	5,425.46	169.55	1.48	0:15:20	4,262.56	266.41	0.97	0:22:20	2,477.49	309.69	0.85	0:29:20	480.14	480.14	0.54
0:01:25	5,811.93	90.81	2.88	0:08:25	5,502.65	171.96	1.52	0:15:25	4,313.60	269.60	0.97	0:22:25	2,503.74	312.97	0.84	0:29:25	475.55	475.55	0.55
0:01:30	5,819.08	90.92	2.88	0:08:30	5,501.76	171.93	1.52	0:15:30	4,323.40	270.21	0.97	0:22:30	2,550.88	318.86	0.82	0:29:30	478.43	478.43	0.55
0:01:35	5,795.02	90.55	2.89	0:08:35	5,495.68	171.74	1.52	0:15:35	4,311.70	269.48	0.97	0:22:35	2,469.72	308.72	0.85	0:29:35	483.60	483.60	0.54
0:01:40	5,791.64	90.49	2.90	0:08:40	5,494.22	171.69	1.53	0:15:40	4,307.79	269.24	0.97	0:22:40	2,476.78	309.60	0.85	0:29:40	483.03	483.03	0.54
0:01:45	5,805.28	90.71	2.89	0:08:45	5,516.14	172.38	1.52	0:15:45	4,304.07	269.00	0.97	0:22:45	2,473.91	309.24	0.85	0:29:45	477.77	477.77	0.55
0:01:50	5,812.28	90.82	2.89	0:08:50	5,495.31	171.73	1.53	0:15:50	4,310.80	269.43	0.97	0:22:50	2,477.55	309.69	0.85	0:29:50	478.60	478.60	0.55
0:01:55	5,799.39	90.62	2.89	0:08:55	5,499.68	171.86	1.52	0:15:55	4,326.78	270.42	0.97	0:22:55	2,479.71	309.96	0.84	0:29:55	474.20	474.20	0.55
0:02:00	5,810.85	90.79	2.89	0:09:00	5,492.32	171.63	1.53	0:16:00	4,329.30	270.58	0.97	0:23:00	2,516.35	314.54	0.83	0:30:00	479.56	479.56	0.55
0:02:05	5,804.50	90.70	2.89	0:09:05	5,503.87	172.00	1.52	0:16:05	4,305.36	269.08	0.97	0:23:05	2,555.78	319.47	0.82	0:30:05	476.58	476.58	0.55
0:02:10	5,777.72	90.28	2.90	0:09:10	5,519.30	172.48	1.52	0:16:10	4,304.39	269.02	0.97	0:23:10	2,526.42	315.80	0.83	0:30:10	480.34	480.34	0.54
0:02:15	5,788.55	90.45	2.90	0:09:15	5,517.45	172.42	1.52	0:16:15	4,321.14	270.07	0.97	0:23:15	2,478.84	309.86	0.84	0:30:15	480.20	480.20	0.54
0:02:20	5,805.01	90.70	2.89	0:09:20	5,511.44	172.23	1.52	0:16:20	4,316.73	269.80	0.97	0:23:20	2,468.78	308.60	0.85	0:30:20	472.29	472.29	0.55
0:02:25	5,799.79	90.62	2.89	0:09:25	5,505.92	172.06	1.52	0:16:25	4,335.10	270.94	0.97	0:23:25	2,471.06	308.88	0.85	0:30:25	485.08	485.08	0.54
0:02:30	5,816.79	90.89	2.88	0:09:30	5,503.39	171.98	1.52	0:16:30	4,336.81	271.05	0.97	0:23:30	2,492.21	311.53	0.84	0:30:30	467.59	467.59	0.56
0:02:35	5,784.15	90.38	2.90	0:09:35	5,503.98	172.00	1.52	0:16:35	4,307.12	269.20	0.97	0:23:35	2,481.40	310.18	0.84	0:30:35	480.66	480.66	0.54
0:02:40	5,808.08	90.75	2.89	0:09:40	5,511.80	172.24	1.52	0:16:40	4,306.96	269.19	0.97	0:23:40	2,473.96	309.24	0.85	0:30:40	477.12	477.12	0.55
0:02:45	5,813.74	90.84	2.88	0:09:45	5,501.50	171.92	1.52	0:16:45	4,309.57	269.35	0.97	0:23:45	2,494.36	311.80	0.84	0:30:45	475.57	475.57	0.55
0:02:50	5,794.50	90.54	2.89	0:09:50	5,496.97	171.78	1.52	0:16:50	4,317.00	269.81	0.97	0:23:50	2,459.76	307.47	0.85	0:30:50	478.09	478.09	0.55
0:02:55	5,821.16	90.96	2.88	0:09:55	5,509.59	172.17	1.52	0:16:55	4,313.90	269.62	0.97	0:23:55	2,477.67	309.71	0.85	0:30:55	478.31	478.31	0.55

Large Database Query - 64KiB with 4 I/Os per stream

Test Run Sequence = Measurement Interval

TR11				TR12				TR13				TR14				TR15			
Test Run Sequence Time	64 Streams			Test Run Sequence Time	32 Streams			Test Run Sequence Time	16 Streams			Test Run Sequence Time	8 Streams			Test Run Sequence Time	1 Stream		
	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms
0:03:00	5,793.13	90.52	2.90	0:10:00	5,492.95	171.65	1.53	0:17:00	4,299.79	268.74	0.97	0:24:00	2,476.54	309.57	0.85	0:31:00	478.99	478.99	0.55
0:03:05	5,815.78	90.87	2.88	0:10:05	5,495.18	171.72	1.53	0:17:05	4,330.94	270.68	0.97	0:24:05	2,474.77	309.35	0.85	0:31:05	478.42	478.42	0.55
0:03:10	5,817.65	90.90	2.88	0:10:10	5,505.51	172.05	1.52	0:17:10	4,327.57	270.47	0.97	0:24:10	2,472.24	309.03	0.85	0:31:10	477.88	477.88	0.55
0:03:15	5,819.53	90.93	2.88	0:10:15	5,506.59	172.08	1.52	0:17:15	4,318.56	269.91	0.97	0:24:15	2,474.38	309.30	0.85	0:31:15	480.09	480.09	0.54
0:03:20	5,827.29	91.05	2.88	0:10:20	5,509.98	172.19	1.52	0:17:20	4,325.60	270.35	0.97	0:24:20	2,499.50	312.44	0.84	0:31:20	478.28	478.28	0.55
0:03:25	5,800.20	90.63	2.89	0:10:25	5,487.03	171.47	1.53	0:17:25	4,338.05	271.13	0.97	0:24:25	2,543.69	317.96	0.82	0:31:25	475.99	475.99	0.55
0:03:30	5,815.60	90.87	2.88	0:10:30	5,510.21	172.19	1.52	0:17:30	4,338.63	271.16	0.97	0:24:30	2,471.42	308.93	0.85	0:31:30	481.76	481.76	0.54
0:03:35	5,830.91	91.11	2.88	0:10:35	5,499.77	171.87	1.52	0:17:35	4,289.67	268.10	0.98	0:24:35	2,473.42	309.18	0.85	0:31:35	471.22	471.22	0.55
0:03:40	5,818.47	90.91	2.88	0:10:40	5,491.37	171.61	1.53	0:17:40	4,321.52	270.09	0.97	0:24:40	2,480.94	310.12	0.84	0:31:40	477.01	477.01	0.55
0:03:45	5,816.17	90.88	2.88	0:10:45	5,505.19	172.04	1.52	0:17:45	4,321.38	270.09	0.97	0:24:45	2,472.66	309.08	0.85	0:31:45	480.79	480.79	0.54
0:03:50	5,822.09	90.97	2.88	0:10:50	5,497.01	171.78	1.52	0:17:50	4,331.27	270.70	0.97	0:24:50	2,494.92	311.86	0.84	0:31:50	480.49	480.49	0.54
0:03:55	5,810.76	90.79	2.89	0:10:55	5,512.38	172.26	1.52	0:17:55	4,325.99	270.37	0.97	0:24:55	2,472.90	309.11	0.85	0:31:55	479.84	479.84	0.54
0:04:00	5,802.86	90.67	2.89	0:11:00	5,510.11	172.19	1.52	0:18:00	4,302.37	268.90	0.97	0:25:00	2,510.69	313.84	0.83	0:32:00	475.48	475.48	0.55
0:04:05	5,803.88	90.69	2.89	0:11:05	5,487.76	171.49	1.53	0:18:05	4,325.37	270.34	0.97	0:25:05	2,511.22	313.90	0.83	0:32:05	475.46	475.46	0.55
0:04:10	5,829.25	91.08	2.88	0:11:10	5,498.53	171.83	1.52	0:18:10	4,312.29	269.52	0.97	0:25:10	2,518.05	314.76	0.83	0:32:10	478.90	478.90	0.55
0:04:15	5,820.19	90.94	2.88	0:11:15	5,497.50	171.80	1.52	0:18:15	4,325.80	270.36	0.97	0:25:15	2,533.05	316.63	0.83	0:32:15	481.30	481.30	0.54
0:04:20	5,810.48	90.79	2.89	0:11:20	5,502.65	171.96	1.52	0:18:20	4,356.91	272.31	0.96	0:25:20	2,497.30	312.16	0.84	0:32:20	476.31	476.31	0.55
0:04:25	5,812.41	90.82	2.88	0:11:25	5,493.99	171.69	1.53	0:18:25	4,325.62	270.35	0.97	0:25:25	2,479.02	309.88	0.84	0:32:25	476.69	476.69	0.55
0:04:30	5,807.39	90.74	2.89	0:11:30	5,501.54	171.92	1.52	0:18:30	4,327.95	270.50	0.97	0:25:30	2,500.52	312.56	0.84	0:32:30	480.20	480.20	0.54
0:04:35	5,822.91	90.98	2.88	0:11:35	5,520.07	172.50	1.52	0:18:35	4,348.23	271.76	0.96	0:25:35	2,561.44	320.18	0.82	0:32:35	478.22	478.22	0.55
0:04:40	5,814.24	90.85	2.88	0:11:40	5,485.43	171.42	1.53	0:18:40	4,373.63	273.35	0.96	0:25:40	2,497.70	312.21	0.84	0:32:40	470.64	470.64	0.56
0:04:45	5,811.92	90.81	2.89	0:11:45	5,519.38	172.48	1.52	0:18:45	4,381.12	273.82	0.96	0:25:45	2,485.71	310.71	0.84	0:32:45	480.24	480.24	0.54
0:04:50	5,802.97	90.67	2.89	0:11:50	5,502.72	171.96	1.52	0:18:50	4,416.85	276.05	0.95	0:25:50	2,486.34	310.79	0.84	0:32:50	480.84	480.84	0.54
0:04:55	5,816.36	90.88	2.88	0:11:55	5,508.98	172.16	1.52	0:18:55	4,405.43	275.34	0.95	0:25:55	2,499.05	312.38	0.84	0:32:55	477.14	477.14	0.55
0:05:00	5,808.44	90.76	2.89	0:12:00	5,485.58	171.42	1.53	0:19:00	4,435.19	277.20	0.94	0:26:00	2,525.72	315.71	0.83	0:33:00	477.39	477.39	0.55
0:05:05	5,811.38	90.80	2.89	0:12:05	5,482.48	171.33	1.53	0:19:05	4,455.16	278.45	0.94	0:26:05	2,544.11	318.01	0.82	0:33:05	479.15	479.15	0.55
0:05:10	5,809.10	90.77	2.89	0:12:10	5,498.58	171.83	1.52	0:19:10	4,446.04	277.88	0.94	0:26:10	2,507.88	313.48	0.84	0:33:10	481.23	481.23	0.54
0:05:15	5,794.98	90.55	2.89	0:12:15	5,495.34	171.73	1.52	0:19:15	4,433.28	277.08	0.94	0:26:15	2,495.06	311.88	0.84	0:33:15	476.75	476.75	0.55
0:05:20	5,810.11	90.78	2.89	0:12:20	5,496.59	171.77	1.52	0:19:20	4,456.47	278.53	0.94	0:26:20	2,500.80	312.60	0.84	0:33:20	478.51	478.51	0.55
0:05:25	5,795.82	90.56	2.89	0:12:25	5,513.22	172.29	1.52	0:19:25	4,453.50	278.34	0.94	0:26:25	2,475.94	309.49	0.85	0:33:25	481.86	481.86	0.54
0:05:30	5,819.36	90.93	2.88	0:12:30	5,506.75	172.09	1.52	0:19:30	4,438.08	277.38	0.94	0:26:30	2,482.65	310.33	0.84	0:33:30	478.39	478.39	0.55
0:05:35	5,817.60	90.90	2.88	0:12:35	5,496.53	171.77	1.52	0:19:35	4,464.63	279.04	0.94	0:26:35	2,484.56	310.57	0.84	0:33:35	481.51	481.51	0.54
0:05:40	5,819.33	90.93	2.88	0:12:40	5,494.01	171.69	1.53	0:19:40	4,442.60	277.66	0.94	0:26:40	2,473.69	309.21	0.85	0:33:40	477.88	477.88	0.55
0:05:45	5,836.68	91.20	2.87	0:12:45	5,485.85	171.43	1.53	0:19:45	4,442.70	277.67	0.94	0:26:45	2,487.10	310.89	0.84	0:33:45	478.26	478.26	0.55
0:05:50	5,799.93	90.62	2.89	0:12:50	5,515.56	172.36	1.52	0:19:50	4,465.52	279.09	0.94	0:26:50	2,544.96	318.12	0.82	0:33:50	486.94	486.94	0.54
0:05:55	5,822.85	90.98	2.88	0:12:55	5,499.19	171.85	1.52	0:19:55	4,452.37	278.27	0.94	0:26:55	2,482.72	310.34	0.84	0:33:55	469.60	469.60	0.56
0:06:00	5,824.22	91.00	2.88	0:13:00	5,499.73	171.87	1.52	0:20:00	4,463.73	278.98	0.94	0:27:00	2,482.15	310.27	0.84	0:34:00	476.18	476.18	0.55

Large Database Query - 64KiB with 4 I/Os per stream

Test Run Sequence = Run-Out & Ramp-Down Intervals

TR11				TR12				TR13				TR14				TR15			
64 Streams				32 Streams				16 Streams				8 Streams				1 Stream			
Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms
0:06:05	5,807.60	90.74	2.89	0:13:05	5,484.52	171.39	1.53	0:20:05	4,447.07	277.94	0.94	0:27:05	2,493.66	311.71	0.84	0:34:05	479.79	479.79	0.54
0:06:10	5,820.77	90.95	2.88	0:13:10	5,511.56	172.24	1.52	0:20:10	4,451.86	278.24	0.94	0:27:10	2,518.62	314.83	0.83	0:34:10	486.63	486.63	0.54
0:06:15	5,824.27	91.00	2.88	0:13:15	5,506.82	172.09	1.52	0:20:15	4,439.79	277.49	0.94	0:27:15	2,596.50	324.56	0.81	0:34:15	477.35	477.35	0.55
0:06:20	5,819.44	90.93	2.88	0:13:20	5,513.22	172.29	1.52	0:20:20	4,458.86	278.68	0.94	0:27:20	2,574.84	321.86	0.81	0:34:20	478.49	478.49	0.55
0:06:25	5,819.52	90.93	2.88	0:13:25	5,507.76	172.12	1.52	0:20:25	4,446.55	277.91	0.94	0:27:25	2,604.24	325.53	0.80	0:34:25	484.08	484.08	0.54
0:06:30	5,806.97	90.73	2.89	0:13:30	5,514.78	172.34	1.52	0:20:30	4,474.02	279.63	0.94	0:27:30	2,589.06	323.63	0.81	0:34:30	480.29	480.29	0.54
0:06:35	5,828.27	91.07	2.88	0:13:35	5,500.31	171.88	1.52	0:20:35	4,449.53	278.10	0.94	0:27:35	2,582.41	322.80	0.81	0:34:35	481.73	481.73	0.54
0:06:40	5,824.39	91.01	2.88	0:13:40	5,512.78	172.27	1.52	0:20:40	4,477.53	279.85	0.94	0:27:40	2,619.07	327.38	0.80	0:34:40	473.91	473.91	0.55
0:06:45	71.78	0.00	2.93	0:13:45	65.05	0.00	1.52	0:20:45	50.06	0.00	0.96	0:27:45	29.93	0.00	0.80	0:34:45	4.97	0.00	0.60
0:06:50	0.00	0.00	0.00	0:13:50	0.00	0.00	0.00	0:20:50	0.00	0.00	0.00	0:27:50	0.00	0.00	0.00	0:34:50	0.00	0.00	0.00
0:06:55	0.00	0.00	0.00	0:13:55	0.00	0.00	0.00	0:20:55	0.00	0.00	0.00	0:27:55	0.00	0.00	0.00	0:34:55	0.00	0.00	0.00