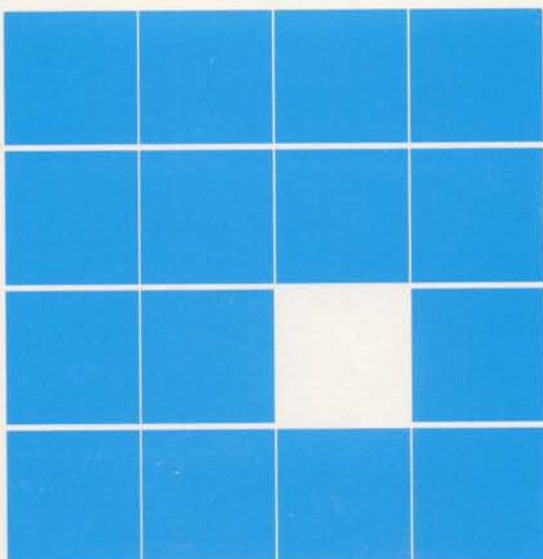


ZZ19-8087-8
DAPS 156-01

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Unit Mdl	Orig Mfct	CAPACITY				PERFORMANCE					TECHNOLOGY Head Type	Ctrl. Unit	DIMENSIONS			PWR KVA	Heat BTU/H	EQUIV IBM type																	
		GB Box	HDA Box	Act HDA	GB Act	Seek Min. msec	Seek Avg. msec	Seek Max. msec	Rot. Del. msec	Data Rate MBps			Front mm	Side mm	Height mm																				
IBM																		IBM																	
3350 A2	IBM	0.635	2	1	0.318	10	25	50	8.40	1.2	Ferrite	3880	1220	850	1180	2.30	7200																		
3350 A2F	IBM	0.635	2	1	0.318	10	25	50	8.40	1.2	Ferrite	3880	1220	850	1180	2.30	7200																		
3350 B2	IBM	0.635	2	1	0.318	10	25	50	8.40	1.2	Ferrite		1140	850	1180	1.90	5800																		
3350 B2F	IBM	0.635	2	1	0.318	10	25	50	8.40	1.2	Ferrite		1140	850	1180	1.90	5800																		
3350 C2	IBM	0.635	2	1	0.318	10	25	50	8.40	1.2	Ferrite		1140	850	1180	2.10	6500																		
3350 C2F	IBM	0.635	2	1	0.318	10	25	50	8.40	1.2	Ferrite		1140	850	1180	2.10	6500																		
3370 A1	IBM	0.571	1	2	0.286	5	20	40	10.10	1.9	Thin Film	Adp/3880	775	815	1000	1.20	2350																		
3370 A11	IBM	0.571	1	2	0.286	5	20	40	10.10	1.9	Thin Film	S/38	775	815	1000	1.20	2350																		
3370 B1	IBM	0.571	1	2	0.286	5	20	40	10.10	1.9	Thin Film		510	815	1000	0.90	1650																		
3370 B11	IBM	0.571	1	2	0.286	5	20	40	10.10	1.9	Thin Film		510	815	1000	0.90	1650																		
3370 A2	IBM	0.729	1	2	0.365	-	19	-	10.10	1.9	Thin Film	Adp/3880	775	815	1000	1.20	2350																		
3370 A12	IBM	0.729	1	2	0.365	-	19	-	10.10	1.9	Thin Film	S/38	775	815	1000	1.20	2350																		
3370 B2	IBM	0.729	1	2	0.365	-	19	-	10.10	1.9	Thin Film		510	815	1000	0.90	1650																		
3370 B12	IBM	0.729	1	2	0.365	-	19	-	10.10	1.9	Thin Film		510	815	1000	0.90	1650																		
3375 A1	IBM	0.819	1	2	0.410	4	19	38	10.10	1.9	Thin Film	3880	775	815	1000	1.30	2500																		
3375 B1	IBM	0.819	1	2	0.410	4	19	38	10.10	1.9	Thin Film		530	815	1000	1.00	1700																		
3375 D1	IBM	0.819	1	2	0.410	4	19	38	10.10	1.9	Thin Film		775	815	1000	1.20	2300																		
3380 A4	IBM	2.520	2	2	0.630	3	16	30	8.30	3.0	Thin Film	3880	1075	815	1790	2.90	6400	(1) (2)																	
3380 AA4	IBM	2.520	2	2	0.630	3	16	30	8.30	3.0	Thin Film	3880	1075	815	1790	2.90	6400	(1) (2)																	
3380 B4	IBM	2.520	2	2	0.630	3	16	30	8.30	3.0	Thin Film		1015	815	1790	2.30	4950	(1) (3)																	
3380 AD4	IBM	2.520	2	2	0.630	3	15	28	8.30	3.0	Thin Film	3880	1075	815	1790	2.90	6400	(1) (2)																	
3380 BD4	IBM	2.520	2	2	0.630	3	15	28	8.30	3.0	Thin Film		1015	815	1790	2.30	4950	(1) (3)																	
3380 AE4	IBM	5.040	2	2	1.260	3	17	31	8.30	3.0	Thin Film	3880	1075	815	1790	2.90	6400	(1) (2)																	
3380 BE4	IBM	5.040	2	2	1.260	3	17	31	8.30	3.0	Thin Film		1015	815	1790	2.30	4950	(1) (3)																	
3380 CJ2	IBM	1.260	1	2	0.630	2	12	20	8.30	3.0	Thin Film	Dir. acc.	1130	815	1790	1.82	6073	(1)																	
3380 AJ4	IBM	2.520	2	2	0.630	2	12	20	8.30	3.0	Thin Film	3880 or 3990	1130	815	1790	1.86	6073	(1)																	
3380 BJ4	IBM	2.520	2	2	0.630	2	12	20	8.30	3.0	Thin Film	3880 or 3990	1015	815	1790	1.36	4572	(1)																	
3380 AK4	IBM	7.562	2	2	1.890	2	16	29	8.30	3.0	Thin Film	3880 or 3990	1130	815	1790	1.86	6073	(1)																	
3380 BK4	IBM	7.562	2	2	1.890	2	16	29	8.30	3.0	Thin Film	3880 or 3990	1015	815	1790	1.36	4572	(1)																	

Ninth Edition (November 1989)
 This major revision obsoletes ZZ19-8087-7.

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Unit Mdl	Orig Mfct	CAPACITY				PERFORMANCE					TECHNOLOGY Head Type	Ctrl. Unit	DIMENSIONS			PWR KVA	Heat BTU/H	EQUIV IBM type
		GB Box	HDA Box	Act HDA	GB Act	Seek Min. msec	Seek Avg. msec	Seek Max. msec	Rot. Del. msec	Data Rate MBps			Front mm	Side mm	Height mm			
IBM cont.																		
3390 A14	IBM	3.784	2	2	0.946	1.5	9.5	18	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	1.13	3470	IBM
3390 A18	IBM	7.568	4	2	0.946	1.5	9.5	18	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	2.23	6830	
3390 B14	IBM	3.784	2	2	0.946	1.5	9.5	18	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	1.1	3420	
3390 B18	IBM	7.568	4	2	0.946	1.5	9.5	18	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	2.2	6700	
3390 B1C	IBM	11.352	6	2	0.946	1.5	9.5	18	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	3.23	10300	
3390 A24	IBM	7.568	2	2	1.892	1.5	12.5	23	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	1.13	3470	
3390 A28	IBM	15.136	4	2	1.892	1.5	12.5	23	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	2.23	6830	
3390 B24	IBM	7.568	2	2	1.892	1.5	12.5	23	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	1.1	3420	
3390 B28	IBM	15.136	4	2	1.892	1.5	12.5	23	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	2.2	6700	
3390 B2C	IBM	22.704	6	2	1.892	1.5	12.5	23	7.1	4.2	Thin Film	3990/2/3	900*	812	1790	3.23	10300	
3880 1	IBM	(3330/3340/3350/3370/3375 Control Unit - Two Directors)										1130	815	1790	1.70	5500		
3880 2	IBM	(3330/3340/3350/3370/3375/3380 Control Unit - Two Directors)										1130	815	1790	1.70	5500		
3880 3	IBM	(3380 Control Unit - Two Directors)										1130	815	1790	1.70	5500		
3880 4	IBM	(3370/3375 Control Unit - One Director)										1130	815	1790	0.90	2500		
3880 11	IBM	(3330/3350 Control Unit - Two Directors - Cache Memory 8MB)										1130	815	1790	2.50	7500		
3880 13	IBM	(3380 Control Unit - Two Directors - Cache Memory 4 or 8MB)										1130	815	1790	2.50	7500		
3880 21	IBM	(3350 Control Unit - Two Directors - Cache Memory 8 to 64MB)										1130	815	1790	2.80	8550		
3880 23	IBM	(3380 Control Unit - Two Directors - Cache Memory 8 to 64MB)										1130	815	1790	2.80	8550		
3990 1	IBM	(3380 Control Unit - Four Directors - Channel trf. 3MB - Max cap. 60GB)										1130	815	1790	1.10	2500	(1)	
3990 2	IBM	(3390/3380 Control Unit - Four Directors - Channel trf. 3/4.2MB - Max cap. 120GB)										1130	815	1790	1.70	4650	(1)	
3990 3	IBM	(3390/3380 Control Unit - Four Directors - Channel trf. 3/4.2MB - Max cap. 120GB - Cache Memory 32-256MB - Nonvolatile Storage 4MB)										1130	815	1790	3.20	9250	(1)	

(1) Power and heat are referred for 220/380V and 50Hz

(2) Front dimension is 1130 mm when this is an end device in the string

(3) Front dimension is 1075 mm when this is an end device in the string

Add 76mm pr string for a pair of endcovers.

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Unit Mdl	Orig Mfct	CAPACITY				PERFORMANCE					TECHNOLOGY Head Type	Ctrl. Unit	DIMENSIONS			PWR KVA	Heat BTU/H	EQUIV IBM type	
		GB Box	HDA Box	Act HDA	GB Act	Seek Min. msec	Seek Avg. msec	Seek Max. msec	Rot. Del. msec	Data Rate MBps			Front mm	Side mm	Height mm				
AMDAHL																			
6280 AA4	FUJ	1.270	4	1	0.318	5.5	18	35	7.60	1.9	Ferrite	6880-A2	780	825	1690	2.20	6649	*3350	
6280 AAF	FUJ	1.270	4	1	0.318	5.5	18	35	7.60	1.9	Ferrite	6880-A2	780	825	1690	2.20	6649	*3350	
6280 B4	FUJ	1.270	4	1	0.318	5.5	18	35	7.60	1.9	Ferrite		620	825	1690	1.80	4859	*3350	
6280 B4F	FUJ	1.270	4	1	0.318	5.5	18	35	7.60	1.9	Ferrite		620	825	1690	1.80	4859	*3350	
6880 A2	FUJ	(6280 Control Unit - Two Directors - Cache Memory 4 or 8MB)										1130	825	1690	0.85	2898	3880-1		
6380 AA4	FUJ	2.520	4	1	0.630	4	15	30	8.30	3.0	Ferrite	6880-G2	900	840	1690	2.60	8245	3880-AA4	
6380 B4	FUJ	2.520	4	1	0.630	4	15	30	8.30	3.0	Ferrite	or G2E	660	840	1690	1.70	5396	3880-B04	
6380 M4	FUJ	2.520	4	1	0.630	4	15	30	8.30	3.0	Ferrite		660	840	1690	1.70	5396	3880-B04	
6380 AE4	FUJ	5.040	4	1	1.260	4	17	31	8.30	3.0	Ferrite	6880-G2	900	840	1690	-	-	3880-AE4	
6380 BE4	FUJ	5.040	4	1	1.260	4	17	31	8.30	3.0	Ferrite	or G2E	660	840	1690	-	-	3880-BE4	
6380 AJ4	FUJ	2.520	4	1	0.630	2	12	20	8.30	3.0	Ferrite	6100	900	820	1700	1.70	5459	3880-AJ	
6380 BJ4	FUJ	2.520	4	1	0.630	2	12	20	8.30	3.0	Ferrite	6100	660	820	1700	1.40	4437	3880-AJ	
6380 AK4	FUJ	7.560	4	1	1.890	2/0	16	29	8.30	3.0	Ferrite	6100	900	820	1700	1.70	5459	3880-AK4	
6380 BK4	FUJ	7.560	4	1	1.890	2/0	16	29	8.30	3.0	Ferrite	6100	660	820	1700	1.40	4437	3880-BK4	
Note: The front value does not include the right cover side (20 mm). Side cover attaches only to 6380 AA4/AE4 and B4/BE4.																			
6100	FUJ	(6380 Control Unit (Storage Processor) Mod. 100 Mod. 100 - 4 Dir. Mod. 200 - 8 Dir. Mod. 300 - 12 Dir. Mod. 400 - 16 Dir. Cache Memory from 32MB to 572MB. - Nonvolatile 4MB - 16MB)										123	815	1690	1.67	4607	3990/2/3		
													173	815	1690			3990/2/3DC	
6880 G2	FUJ	(6380 Control Unit - 2 SD - 4 Ch. Sw. - Cache Memory 4/8/12/16/24 or 32MB)										1125	825	1690	1.20	3413	3880-3		
6880 G2E	FUJ	(6380 Control Unit - 2 SD - 8 Ch. Sw. - Cache Memory 4/8/12/16/24 or 32MB)										1125	825	1690	2.00	5666	3880-13		
														825	1690	1.70	4774	3880-3	
															825	1690	2.50	7161	3880-23

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Unit Mdl	Orig Mfct	CAPACITY				PERFORMANCE					TECHNOLOGY Head Type	Ctrl. Unit	DIMENSIONS			PWR KVA	Heat BTU/H	EQUIV IBM type
		GB Box	HDA Box	Act HDA	GB Act	Seek Min. msec	Seek Avg. msec	Seek Max. msec	Rot. Del. msec	Data Rate MBps			Front mm	Side mm	Height mm			
BASF/COMPAREX																		
6250	NPL	0.635	2	1	0.318	6	20	45	8.33	1.2	Ferrite	6038or	1200	845	1130	2.50	7400	3350-A2
6252	NPL	0.635	2	1	0.318	6	20	45	8.33	1.2	Ferrite	3830-2	1070	845	1130	2.10	6300	3350-B2
6253	NPL	0.635	2	1	0.318	6	20	45	8.33	1.2	Ferrite		1200	845	1130	2.50	7400	3350-C2
6038	NPL	(6250 Control Unit)											1250	810	1520	1.60	5430	3830-2
6410	NPL	0.129	2	1	0.065	9	27	46	9.60	1.0	Ferrite	Adpt.	603	813	1000	0.80	1500	3310-A2
6411	NPL	0.129	2	1	0.065	9	27	46	9.60	1.0	Ferrite		603	813	1000	0.75	1400	3310-B2
6470	NPL	0.571	1	2	0.286	5	20	40	10.12	1.9	Ferrite	Ad/3880	775	813	1000	1.20	3080	3370-A1
6472	NPL	0.571	1	2	0.286	5	20	40	10.12	1.9	Ferrite		525	813	1000	0.80	1710	3370-B1
6470-2	NPL	0.730	1	2	0.365	5	19	40	10.12	1.9	Ferrite	Ad/3880	--	--	--	--	--	3370-A2
6472-2	NPL	0.730	1	2	0.365	5	19	40	10.12	1.9	Ferrite		--	--	--	--	--	3370-B2
6473-2	NPL	0.730	1	2	0.365	5	19	40	10.12	1.9	Ferrite	Ad/3880	--	--	--	--	--	NONE
6475	NPL	0.820	1	2	0.410	5	19	40	10.12	1.9	Ferrite	3880	775	813	1000	1.20	3080	3375-A1
6476	NPL	0.820	1	2	0.410	5	19	40	10.12	1.9	Ferrite		525	813	1000	0.80	1710	3375-B1
6477	NPL	0.820	1	2	0.410	5	19	40	10.12	1.9	Ferrite		775	813	1000	1.20	3080	3375-D1
6480 AJ	HIT	5.000	4	1	1.260	2	11	20	8.30	3.0/4.5	Ferrite		1240	830	1790	1.60	4.780	3380-E
6480 BJ	HIT	5.000	4	1	1.260	2	11	20	8.30	3.0/4.5	Ferrite		860	830	1790	1.30	4.095	3380-E
6480 AE	HIT	10.000	8	1	1.260	2	11	20	8.30	3.0/4.5	Ferrite		1240	830	1790	1.60	4.780	NONE
6480 BE	HIT	10.000	8	1	1.260	2	11	20	8.30	3.0/4.5	Ferrite		860	830	1790	1.30	4.095	NONE
6480 AK	HIT	7.560	4	1	1.890	2/0	12.5	20	8.30	3.0/4.5	Thin Film	6085/7/23	1240	800	1790	2.40	7900	3380-AK
6480 BK	HIT	7.560	4	1	1.890	2/0	12.5	20	8.30	3.0/4.5	Thin Film	6085/7/23	860	800	1790	1.40	7200	3380-K
6480 ABK	HIT	15.000	8	1	1.890	2/0	12.5	20	8.30	3.0/4.5	Thin Film	6085/7/23	1240	800	1790	2.40	7200	2x3380-K
6480 BBK	HIT	15.000	8	1	1.890	2/0	12.5	20	8.30	3.0/4.5	Thin Film	6085/7/23	860	800	1790	2.10	-	2x3380-K
6480 D	HIT	2.520	4	1	0.630	5	15	33	8.30	3.0/4.5	Ferrite	6085/23	1260	830	1790	3.00	8792	3380-AD
6481 D	HIT	2.520	4	1	0.630	5	15	33	8.30	3.0/4.5	Ferrite	6085/23	1260	830	1790	2.60	7613	3380-BD
6485	HIT	5.040	4	1	1.260	5	17	31	8.30	3.0	Ferrite	6085	1260	830	1790	3.30	9167	3380-AE4
6486	HIT	5.040	4	1	1.260	5	17	31	8.30	3.0	Ferrite		880	830	1790	2.70	7500	3380-BE4
6085-7	HIT	(648X Control Unit - Two Directors)											800	800	1790	1.50	4762	3880-3
6085-23	HIT	(648X Control Unit - Two Directors - Cache Memory 8/16/32/48/64MB)											800	800	1790	1.85/	5238	3880-23
6090-3	HIT	(6480 Control Unit - Dual and Quad Port, Cache Memory 32MB-512MB. Non-volatile 4 or 8MB, DFW and DC)											Depending on cache size installed:			2.20	6344	

Notes: 1. Power and heat for BASF units are referred for 220/380V and 50Hz. 2. Comparex 6480J can be upgraded in steps of 2.52GB (two boxes equal to 20GB).

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Unit Mdl	Orig Mfct	CAPACITY				PERFORMANCE					TECHNOLOGY Head Type	Ctrl. Unit	DIMENSIONS			PWR KVA	Heat BTU/H	EQUIV IBM type
		GB Box	HDA Box	Act HDA	GB Act	Seek Min. msec	Seek Avg. msec	Seek Max. msec	Rot. Del. msec	Data Rate MBps			Front mm	Side mm	Height mm			
CONTROL DATA CORPORATION																		
33750 AB4	CDC	1.839	4	1	0.410	--	16	--	8.40	3.0	Thin Film	38800	1372	815	1537	2.80	--	*3375-A1
33750 BB4	CDC	1.839	4	1	0.410	--	16	--	8.40	3.0	Thin Film		762	815	1537	2.30	--	*3375-B1
33750 AD4	CDC	1.839	4	1	0.410	--	16	--	8.40	3.0	Thin Film	38800	1372	815	1537	2.80	--	*3375-D1
33800 AA4	CDC	2.520	4	1	0.630	3	16	30	8.40	3.0	Thin Film	38800	--	--	--	2.80	8500	3380-AA4
33800 B4	CDC	2.520	4	1	0.630	3	16	30	8.40	3.0	Thin Film	38800	--	--	--	2.40	6500	3380-B4
38800 3	CDC	(33800 Control Unit - Two Directors)											--	--	--	--	--	3880-3
FUJITSU																		
F6421 A4	FUJ	1.270	4	1	0.318	5	18	35	7.60	1.9	Ferrite	1774-A	1220	780	1000	2.40	7140	FUJ
F6421 C4	FUJ	1.270	4	1	0.318	5	18	35	7.60	1.9	Ferrite	1774-A	1220	780	1000	2.60	7740	*3350-A2F
F6421 B4	FUJ	1.270	4	1	0.318	5	18	35	7.60	1.9	Ferrite		1200	780	1000	2.20	6550	*3350-C2F
F1774 C	FUJ	(F6421 Control Unit - Two Directors - Cache Memory 4 or 8MB)											1040	780	1000	1.20	3970	*3350-B2F
F6425 A4	FUJ	2.520	4	1	0.630	4	15	30	8.29	3.0	Ferrite	1774-C	920	815	1630	2.50	7940	3380-A4
F6425 C4	FUJ	2.520	4	1	0.630	4	15	30	8.29	3.0	Ferrite	1774-C	920	815	1630	3.20	9520	3380-AA4
F6425 B4	FUJ	2.520	4	1	0.630	4	15	30	8.29	3.0	Ferrite		900	815	1630	2.40	7140	3380-B4
F6425 K4	FUJ	2.520	4	1	0.630	4	15	30	8.30	3.0	Ferrite	1774-C	--	--	--	--	--	3380-AD4
F6425 L4	FUJ	2.520	4	1	0.630	4	15	30	8.30	3.0	Ferrite		--	--	--	--	--	3380-BD4
F6425 M4	FUJ	5.040	4	1	1.260	4	17	31	8.30	3.0	Ferrite	1774-C	--	--	--	--	--	3380-AE4
F6425 N4	FUJ	5.040	4	1	1.260	4	17	31	8.30	3.0	Ferrite		--	--	--	--	--	3380-BE4
F1774 C	FUJ	(F6425 Control Unit - Two Directors - Cache Memory 4/8/12/16/24/32MB)											1040	815	1630	1.70	7940	3880-23
HITACHI																		
H8598 12	HIT	2.520	2	2	0.630	5	16	33	8.33	3.0	Ferrite	H8538-1	1130	900	1790	3.70	8530	3380-AA4
H8598 22	HIT	2.520	2	2	0.630	5	16	33	8.33	3.0	Ferrite		750	900	1790	2.80	6548	3380-B4
H6585	HIT	5.040	4	1	1.260	5	17	31	8.30	3.0	Ferrite	H8538-1	--	--	--	--	--	3380-BE4
H8538 3	HIT	(H8598 Control Unit - Two Directors)											800	800	1790	1.50	4760	3880-3
H8538 C3	HIT	(H8598/H6585 Control Unit - Two Directors - Cache Memory 8/16/32/48/64MB)											800	800	1790	1.85	5397	3880-23

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HISTORY OF IBM DASD INNOVATIONS

Year	Unit	System Attachment	
1956	305	RAMAC	RAMAC 350
1959	2311	The disk pack	1440/1401
1964	2311		S/360
1965	2314	The file facility	S/360
1970	3330	Error correction track following	S/370
1973	3340	Winchester	S/370-115/125
1975	3350		S/370/303x
1979	3370	Thin film head	4331/4341
1980	3375		303x/43xx
1980	3380	DASD "FAMILY"	303x/308x
1986	3380E	Double capacity	308x/3090
1987	3380K	DLSE, MB/ML/ECC	3090/308x
1989	3390	DASD "FAMILY"	3090/3081

IBM has over 1300 patents in DASD developments. The most important are:

305 RAMAC	Variable records	Low mass head
Dual access	Voice coil actuator	Ferrite head
Hydrostatic head	Microcode control	Lubricated disk
Linear actuator	File facility	Data module
Hydrodynamic head	Inline diagnostics	Digital servo
Head/disk	Track following	Defect skipping
Hydraulic actuator	RPS	Imbedded servo
Disk pack	ECC	DLSE
Thick disk	MB/ML/ECC	Dual heads/disk
Flexible diskette	Multiple requesting	Rotary actuator
Bearingless carrier	Command retry	Dual copy
Thin-film head	Head offset	DASD fast write
	Oriented particles	



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Unit Mdl	Orig Mfct	CAPACITY				PERFORMANCE					TECHNOLOGY Head Type	Ctrl. Unit	DIMENSIONS			PWR KVA	Heat BTU/H	EQUIV IBM type	
		GB Box	HDA Box	Act HDA	GB Act	Seek Min. msec	Seek Avg. msec	Seek Max. msec	Rot. Del. msec	Data Rate MBps			Front mm	Side mm	Height mm				
HITACHI DATA SYSTEMS (NAS)																			
7350 A2	HIT	0.635	2	1	0.318	6	20	45	8.33	1.2	Ferrite	7830-22	1200	845	1130	2.50	7540	3350-A2	
7350 B2	HIT	0.635	2	1	0.318	6	20	45	8.33	1.2	Ferrite		1070	845	1130	2.10	6349	3350-B2	
7350 C2	HIT	0.635	2	1	0.318	6	20	45	8.33	1.2	Ferrite		1200	845	1130	2.50	7540	3350-C2	
7830 22	HIT	(7350 Control Unit)												1250	810	1520	2.00	6745	3830-2
7360 A4	HIT	1.270	2	2	0.318	7	20	45	8.33	1.2	Ferrite	7860	1590	870	1240	3.40	9286	*3350	
7360 B4	HIT	1.270	2	2	0.318	7	20	45	8.33	1.2	Ferrite		1070	870	1240	2.60	7143	*3350	
7860	HIT	(7350/7360 Control Unit - 1 or 2 Directors)												850	700	1520	1.20	3968	3880-1
7380 A4	HIT	2.520	2	2	0.630	5	16	33	8.30	3.0	Ferrite	7880	1114	900	1790	3.50	9568	3380-AA4	
7380 B4	HIT	2.520	2	2	0.630	5	16	33	8.30	3.0	Ferrite		750	900	1790	2.50	6548	3380-B4	
7380 AD	HIT	2.520	4	1	0.630	5	15	31	8.30	3.0	Ferrite	7880	1260	830	1790	2.80(4)	7937	3380-AD4	
7380 BD	HIT	2.520	4	1	0.630	5	15	31	8.30	3.0	Ferrite		880	830	1790	2.40(4)	6548	3380-BD4	
7380 AE	HIT	5.040	4	1	0.630	5	17	31	8.30	3.0	Ferrite	7880	1260	830	1790	2.80(4)	7937	3380-AE4	
7380 BE	HIT	5.040	4	1	0.630	5	17	31	8.30	3.0	Ferrite		880	830	1790	2.40(4)	6548	3380-BE4	
7380 AJ4	HIT	2.520	4	1	0.630	2	11	17	8.30	3.0/4.5	Ferrite		1240	800	1790	1.60	4780		
7380 BJ4	HIT	2.520	4	1	0.630	2	13	17	8.30	3.0/4.5	Ferrite		860	800	1790	1.30	4095		
7380 AJX4	HIT	5.040	4	1	1.260	2	13	25	8.30	3.0/4.5	Ferrite		1240	800	1790	1.60	4780		
7380 BJX4	HIT	5.040	4	1	1.260	2	13	25	8.30	3.0/4.5	Ferrite		860	800	1790	1.30	4095		
7380 J4 upgrade, upgrades the capacity of each A or B Frame to 5.04 GB (for 7380 AJ4 and BJ4)																			
7380 JX4 upgrade, upgrades the capacity of each A or B Frame to 10.08 GB (for 7380 AJX4 and BJX4)																			
7380 AK	HIT	7.560	4	1	1.890	2/0	12.5	20	8.30	3.0	Thin Film	--	1240	800	1790	1.60	4780	3380-K	
7380 BK	HIT	7.560	4	1	1.890	2/0	12.5	20	8.30	3.0	Thin Film	--	860	800	1790	1.30	4095	3380-K	
7380 ABK	HIT	15.000	8	1	1.890	2/0	12.5	20	8.30	3.0	Thin Film	--	1240	800	1790	2.40	7500	NONE	

(4) Power and heat are referred for 60Hz.

7880 3	HIT	(7380 Control Unit - Two Directors)											800	800	1790	1.50	4760	3880-3
7880 3S	HIT	(7380 Control Unit - Two Directors Speed Machine Buffer 1.5, 1.2, or 0.8MBps)											800	800	1790	1.50	4760	*3880-3
7880 13	HIT	(7380 Control Unit - Two Directors - Cache Memory 4 to 16MB)											800	800	1790	1.70	5397	3880-13
7880 3C	HIT	(7380 Control Unit - Two Directors - Cache Memory 8, 16, 32, 48, or 64MB)											800	800	1790	1.85	5397	3880-23
7980 1	HIT	(7380 Control Unit - Dual Port Only - One Storage Cluster)																
7980 2	HIT	(7380 Control Unit - Dual and/or Quad Port - Two Storage Clusters)																
7980 3C	HIT	(7380 Control Unit - Dual and/or Quad Port - Two Storage Clusters - Cache Memory 32, 64, 128 or 256MB, DFW and DC)																

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Unit Mdl	Orig Mfct	CAPACITY				PERFORMANCE					TECHNOLOGY Head Type	Ctrl. Unit	DIMENSIONS			PWR KVA	Heat BTU/H	EQUIV IBM type	
		GB Box	HDA Box	Act HDA	GB Act	Seek Min. msec	Seek Avg. msec	Seek Max. msec	Rot. Del. msec	Data Rate MBps			Front mm	Side mm	Height mm				
INTERNATIONAL COMPUTER LIMITED																			
6421 A2	FUJ	0.635	2	1	0.318	5	18	35	7.58	1.9	Ferrite	1774-A	700	780	1000	1.30	3800	3350-A2	
6421 B2	FUJ	0.635	2	1	0.318	5	18	35	7.58	1.9	Ferrite		600	780	1000	1.10	3300	3350-B2	
6421 C2	FUJ	0.635	2	1	0.318	5	18	35	7.58	1.9	Ferrite		700	780	1000	1.30	3800	3350-C2	
1774 A	FUJ	(6421 Control Unit - Two Directors)												1040	780	1000	1.20	3950	3880-1
6425 A4	FUJ	2.520	4	1	0.635	4	15	30	8.30	3.0	Ferrite	1774-C	900	815	1630	3.00	9520	3380-AA4	
6425 B4	FUJ	2.520	4	1	0.635	4	15	30	8.30	3.0	Ferrite		900	815	1630	2.00	6350	3380-B4	
1774 C	FUJ	(6425 Control Unit - Two Directors - Cache Memory: 4 to 16MB)												1040	815	1630	1.70	4760	3880-13
MEMOREX-TELEX																			
3653 01	MMX	0.635	2	1	0.318	10	25	50	8.40	1.2	Ferrite	3674	1100	820	1180	2.50	7300	3350-A2	
3650 01	MMX	0.635	2	1	0.318	10	25	50	8.40	1.2	Ferrite		1100	820	1180	2.00	6100	3350-B2	
3654 01	MMX	0.635	2	1	0.318	10	25	50	8.40	1.2	Ferrite		1100	820	1180	2.50	7300	3350-C2	
3655 01	MMX	1.270	2	1	0.635	6	21	40	8.40	1.2	Ferrite	3676	1100	820	1180	2.50	7300	*3350-A2	
3652 01	MMX	1.270	2	1	0.635	6	21	40	8.40	1.2	Ferrite		1100	820	1180	2.00	6100	*3350-B2	
3656 01	MMX	1.270	2	1	0.635	6	21	40	8.40	1.2	Ferrite		1100	820	1180	2.50	7300	*3350-C2	
3693	NPL	0.571	1	2	0.286	5	20	40	10.10	1.9	Ferrite	3696 or Ad/3880	775	813	1000	-	-	3370-A1	
3690	NPL	0.571	1	2	0.286	5	20	40	10.10	1.9	Ferrite		525	813	1000	-	-	3370-B1	
3693-2	NPL	0.730	1	2	0.365	5	19	40	10.10	1.9	Ferrite		--	--	--	-	-	3370-A2	
3690-2	NPL	0.730	1	2	0.365	5	19	40	10.10	1.9	Ferrite		--	--	--	-	-	3370-B2	
3699-2	NPL	0.730	1	2	0.365	5	19	40	10.10	1.9	Ferrite	Ad/3880	--	--	--	-	-	NONE	
3697	NPL	0.820	1	2	0.410	5	19	40	10.10	1.9	Ferrite	3888or	775	813	1075	1.20	3100	3375-A1	
3695	NPL	0.820	1	2	0.410	5	19	40	10.10	1.9	Ferrite	3880	525	813	1075	0.80	1750	3375-B1	
3698	NPL	0.820	1	2	0.410	5	19	40	10.10	1.9	Ferrite		775	813	1075	1.20	3100	3375-D1	
3680	MMX	1.260	1	2	0.630	3	16	30	8.30	3.0	Thin Film		508	813	1295	1.40	3070	*3380-B4	
3683	MMX	(3680 Dual Path String Controller)												565	813	1295	1.20	3800	NONE
3680 HDP	MMX	10.080	8	2	0.630	3	16	30	8.30	3.0	Thin Film	3888	2260	1067	2083	10.60	26500	*3380-AE	
6240 HDP	MMX	10.080	8	2	0.630	3	16	30	8.30	3.0	Thin Film	3888	2260	1067	2083	10.60	26500	*3380-AE	
3890 J4	FUJ	2.500	4	1	0.630	4	12	25	8.30	3.0	Ferrite	3898	530	920	1750	1.70	4400	3380-J	
3890 2J4	FUJ	5.000	8	1	0.630	4	12	25	8.30	3.0	Ferrite	3898	530	920	1750	3.00	8400	2x3380-J	
3890 K4	FUJ	7.560	8	1	0.950	4	16	33	8.30	3.0	Ferrite	3898	530	920	1750	1.70	4400	3380-K	
3890 2K4	FUJ	15.120	16	1	0.950	4	16	33	8.30	3.0	Ferrite	3898	530	920	1750	3.00	8400	2x3380-BK	

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Unit Mdl	Orig Mfct	CAPACITY				PERFORMANCE					TECHNOLOGY Head Type	Ctrl. Unit	DIMENSIONS			PWR KVA	Heat BTU/H	EQUIV IBM type		
		GB Box	HDA Box	Act HDA	GB Act	Seek Min. msec	Seek Avg. msec	Seek Max. msec	Rot. Del. msec	Data Rate MBps			Front mm	Side mm	Height mm					
MEMOREX cont.																				
3888	MMX	(3680/3695 Control Unit - Two Directors)												1130	813	1822	2.00	7180	3880-3	
3888 23	MMX	(3680/3680-HDP/3240-HDP Control Unit - Two Directors - Cache: 8 to 64MB)												--	--	--	--	--	--	3880-23
3898-0001		(Control Unit-2 Directors)												710	920	1750	1.20	3000		
3898-001A		(Control Unit-4 Directors)												710	920	1750	2.40	5500		
3898-0002		(Control Unit-4 Directors)												1420	920	1750	2.40	6000		
OLIVETTI																				
4480 12	HIT	2.520	2	2	0.630	5	16	33	8.30	3.0	Ferrite	4880	1114	900	1790	3.20	9568	3380-AA4		
4480 22	HIT	2.520	2	2	0.630	5	16	33	8.30	3.0	Ferrite		750	900	1790	2.50	6548	3380-B4		
4880	HIT	(4480 Control Unit - Two Directors)												800	800	1790	1.50	4762	3880-3	
SIEMENS																				
3843	FUJ	0.635	2	1	0.318	6	20	40	8.40	1.2	Ferrite	3860-2	1040	710	1590	2.50	--	*3350		
3846	FUJ	1.270	2	1	0.635	6	20	40	8.40	1.2	Ferrite	3860-2	1900	850	1185	3.40	--	*3350		
3860-2	FUJ	(3843/3846 Control Unit - Dual Controller)												1040	780	1000	1.20	--	3830-2	
3848 A4	IBM	2.520	2	2	0.630	3	16	30	8.30	3.0	Thin Film	3860-3	1075	815	1790	2.90	6400	3380-AA4		
3848 B4	IBM	2.520	2	2	0.630	3	16	30	8.30	3.0	Thin Film		1015	815	1790	2.30	4950	3380-B4		
3848 AD4	IBM	2.520	2	2	0.630	3	15	28	8.30	3.0	Thin Film	3860-3	1075	815	1790	2.90	6400	3380-AD4		
3848 BD4	IBM	2.520	2	2	0.630	3	15	28	8.30	3.0	Thin Film		1015	815	1790	2.30	4950	3380-BD4		
3848 AE4	IBM	5.040	2	2	1.260	3	17	31	8.30	3.0	Thin Film	3860-3	1075	815	1790	2.90	6400	3380-AE4		
3848 BE4	IBM	5.040	2	2	1.260	3	17	31	8.30	3.0	Thin Film		1015	815	1790	2.30	4950	3380-BE4		
3860 3	IBM	(3848 Control Unit - Two Directors - Cache Memory 8 to 64MB)												1130	815	1790	2.80	8550	3880-23	
STORAGETEK																				
8350 A2	STC	0.635	2	1	0.318	7	25	50	8.33	1.2	Ferrite	8000 or	1067	800	1194	2.30	7200	3350-A2		
8350 B2	STC	0.635	2	1	0.318	7	25	50	8.33	1.2	Ferrite	8880 or	1067	800	1194	1.90	5800	3350-B2		
8350 C2	STC	0.635	2	1	0.318	7	25	50	8.33	1.2	Ferrite	Ad/3830	1067	800	1194	2.10	6500	3350-C2		
8360 A2	STC	0.635	2	1	0.318	7	18	35	8.33	1.2	Ferrite	8000 or	1067	800	1194	2.30	7200	3350-A2		
8360 B2	STC	0.635	2	1	0.318	7	18	35	8.33	1.2	Ferrite	8880	1067	800	1194	1.90	5800	3350-B2		

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Unit Mdl	Orig Mfct	CAPACITY				PERFORMANCE					TECHNOLOGY Head Type	Ctrl. Unit	DIMENSIONS			PWR KVA	Heat BTU/H	EQUIV IBM type
		GB Box	HDA Box	Act HDA	GB Act	Seek Min. msec	Seek Avg. msec	Seek Max. msec	Rot. Del. msec	Data Rate MBps			Front mm	Side mm	Height mm			
STORAGETEK cont.																		
8650 A2	STC	1.270	2	1	0.635	7	25	50	8.33	1.2	Ferrite	8000 or	1067	800	1194	2.50	7200	*3350-A2
8650 B2	STC	1.270	2	1	0.635	7	25	50	8.33	1.2	Ferrite	8880	1105	800	1194	1.90	5800	*3350-B2
8000 2/4	STC	(8350/8360/8650 Control Unit - 1 or 2 Storage Directors)																
8370 A/B	STC	0.571	1	2	0.286	-	20	--	--	1.9	Ferrite	Adap.	-	-	-	-	-	3370-A/B
8675	STC	0.635	8	1	0.318	7	25	50	8.33	1.2	Ferrite	2x8000-2	5995	800	1270	12.00	35200	*3350
8675	STC	1.270	8	1	0.635	7	25	50	8.33	1.2	Ferrite	8000-4	5995	800	1270	12.00	35200	*3350
STC 8375 consists of two 8000-2 or one 8000-4 Control Units and eight spindles (4 units) of 8650 or 8360 disks.																		
8380 A4	STC	2.520	2	2	0.630	3	16	30	8.30	3.0	Thin Film	8880/90	1380	830	1580	2.80	7810	3380-A4
8380 AA4	STC	2.520	2	2	0.630	3	16	30	8.30	3.0	Thin Film	8880/90	1380	830	1580	2.80	7810	3380-AA4
8380 B4	STC	2.520	2	2	0.630	3	16	30	8.30	3.0	Thin Film	8880/90	920	830	1580	2.00	5738	3380-B04
8380 AE4	STC	5.040	2	2	1.260	3	17	31	8.30	3.0	Thin Film	8880/90	1380	830	1580	2.80	7810	3380-AE4
8380 BE4	STC	5.040	2	2	1.260	3	17	31	8.30	3.0	Thin Film	8880/90	920	830	1580	2.00	5738	3380-BE4
8380 P	STC	2.520	2	2	0.630	2.75	12.00	20.5	8.30	3.0	Thin Film	8280/90	910	810	1570	2.3	6150	3380-J
8380 R33	STC	15.000	4	2	1.890	3	16	30	8.30	3.0	Thin Film	8880/90	--	--	--	--	--	2x3380-BK
8380 F	STC	7.500	2	2	1.890	3	16	30	8.30	3.0	Thin Film	8880/90	920	830	1580	2.3	6800	3380-BK
8380 R11	STC	5.040	4	2	0.630	3	11	17.5	8.30	--	Thin Film	8880/90	--	--	--	--	--	*3380-E
8381	STC	Control Module: Contains two head of string controllers																

STC

Notes: 1 x STC8381 + 1 X STC8380-BE4 = STC8380-AE4 equivalent to 1 X IBM 3380-AE4
8380R subsystem consists of three sections (8380-RD2 between 8380-R22; -R12 or -R11).

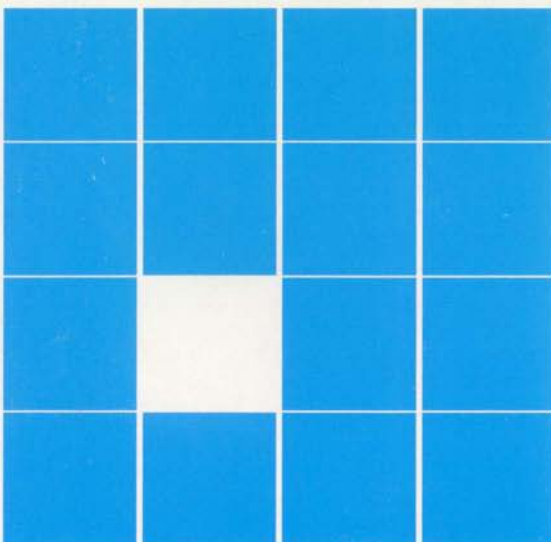
- 8880 STC (8380/8350/8360/8650 Control Unit - Two Directors) 1130 813 1790 2.90 4400 3880-3
- 8890 STC (8380/8350/8360/8650 Control Unit - Two Directors - Cache from 1.5 to 72MB) 1130 813 1790 4.00 8970 3880-13
- 8900 STC Control Unit - Two Directors and a quad-ported cache - Cache from 32MB-256MB. Supports 8380, 8380P, 8380E, 8380F, 8380R in dual port, the 8380RQ in quad port mode.

* In front of IBM equivalent product type indicates that the competitive product is not directly compatible.



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