

# IBM System/390 & zSeries Software Pricing Information

Updated 02-19-02

(Not all machines are available in all countries)

Vendor	Machine	WLC	PSLC	MSU	Coupling Facility	Group	PR/SM	Other
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## HITACHI

Hitachi	H-6760D					Group 29	Optional	
Hitachi	H-6760DP					Group 35	Optional	
Hitachi	H-6760K					Group 32	Optional	
Hitachi	H-6760KDP					Group 35	Optional	
Hitachi	H-6760S					Group 28	Optional	
Hitachi	H-6790					Group 35	Optional	
Hitachi	H-6790D					Group 35	Optional	
Hitachi	H-6790DDP					Group 38	Optional	
Hitachi	H-6790DMP					Group 38	Optional	
Hitachi	H-6790DP		PSLC=Single	MSU= 9		Group 38	Optional	
Hitachi	H-6790MP					Group 38	Optional	
Hitachi	H-6790QP					Group 40	Optional	
Hitachi	H-6790TP					Group 40	Optional	
Hitachi	H-6860/110					Group 32	Standard	
Hitachi	H-6860/115		PSLC=Single	MSU= 4		Group 35	Standard	
Hitachi	H-6860/210					Group 38	Standard	
Hitachi	H-6860/215		PSLC=Single	MSU= 7		Group 38	Standard	
Hitachi	H-6860/225					Group 38	Standard	
Hitachi	H-6860/325					Group 40	Optional	
Hitachi	H-6860/425		PSLC=Single	MSU= 14		Group 40	Standard	
Hitachi	H-6880/110					Group 38	Standard	
Hitachi	H-6880/11E		PSLC=Yes	MSU= 11		Group 40	Standard	
Hitachi	H-6880/210					Group 50	Optional	
Hitachi	H-6880/21D					Group 70	Standard	
Hitachi	H-6880/21E		PSLC=Yes	MSU= 21		Group 50	Optional	
Hitachi	H-6880/220					Group 50	Optional	
Hitachi	H-6880/22E		PSLC=Yes	MSU= 21		Group 50	Standard	
Hitachi	H-6880/310					Group 60	Standard	
Hitachi	H-6880/31E		PSLC=Yes	MSU= 30		Group 70	Standard	
Hitachi	H-6880/320					Group 60	Standard	
Hitachi	H-6880/32E		PSLC=Yes	MSU= 30		Group 70	Standard	
Hitachi	H-6880/41D		PSLC=Yes	MSU= 35		Group 70	Standard	
Hitachi	H-6880/41E		PSLC=Yes	MSU= 38		Group 80	Standard	
Hitachi	H-6880/420					Group 70	Standard	
Hitachi	H-6880/42E		PSLC=Yes	MSU= 38		Group 80	Standard	
Hitachi	H-6880/520					Group 70	Standard	
Hitachi	H-6880/52E		PSLC=Yes	MSU= 46		Group 80	Standard	
Hitachi	H-6880/620					Group 80	Standard	
Hitachi	H-6880/62E		PSLC=Yes	MSU= 53		Group 80	Standard	
Hitachi	H-6880/72E		PSLC=Yes	MSU= 60		Group 80	Standard	
Hitachi	H-6880/82E		PSLC=Yes	MSU= 67		Group 80	Standard	
Hitachi	H-8650D					Group 20		
Hitachi	H-8650E					Group 20		
Hitachi	H-8650K					Group 20		
Hitachi	H-8660					Group 25		
Hitachi	H-8670					Group 30		
Hitachi	H-8670D					Group 28		
Hitachi	H-8670K					Group 30		
Hitachi	H-8680					Group 30		
Hitachi	H-8690					Group 32		
Hitachi	H-8690-MP					Group 35		
Hitachi	H-8690D					Group 30		
Hitachi	GP7560/110		PSLC=Yes	MSU= 8	CF	Group 38	Standard	
Hitachi	GP7560/11D		PSLC=Yes	MSU= 6	CF	Group 38	Standard	
Hitachi	GP7560/11E		PSLC=Yes	MSU= 26				
Hitachi	GP7560/120		PSLC=Yes	MSU= 11	CF	Group 40	Standard	

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Hitachi	GP7560/13D		PSLC=Yes	MSU= 20	CF	Group 50	Standard	
Hitachi	GP7560/13S		PSLC=Yes	MSU= 15	CF	Group 40	Standard	
Hitachi	GP7560/140		PSLC=Yes	MSU= 30	CF	Group 60	Standard	
Hitachi	GP7560/14H		PSLC=Yes	MSU= 35	CF	Group 70	Standard	
Hitachi	GP7560/210		PSLC=Yes	MSU= 15	CF	Group 40	Standard	
Hitachi	GP7560/21D		PSLC=Yes	MSU= 11	CF	Group 40	Standard	
Hitachi	GP7560/21E		PSLC=Yes	MSU= 50				
Hitachi	GP7560/21S					Group 60	Standard	
Hitachi	GP7560/220		PSLC=Yes	MSU= 20	CF	Group 50	Standard	
Hitachi	GP7560/22D		PSLC=Yes	MSU= 15	CF	Group 40	Standard	
Hitachi	GP7560/22E		PSLC=Yes	MSU= 50				
Hitachi	GP7560/23D		PSLC=Yes	MSU= 37	CF	Group 70	Standard	
Hitachi	GP7560/23S		PSLC=Yes	MSU= 28	CF	Group 60	Standard	
Hitachi	GP7560/240		PSLC=Yes	MSU= 57	CF	Group 80	Standard	
Hitachi	GP7560/24H		PSLC=Yes	MSU= 67	CF	Group 80	Standard	
Hitachi	GP7560/310		PSLC=Yes	MSU= 22	CF	Group 60	Standard	
Hitachi	GP7560/31D		PSLC=Yes	MSU= 20	CF	Group 50	Standard	
Hitachi	GP7560/31E		PSLC=Yes	MSU= 74				
Hitachi	GP7560/31H		PSLC=Yes	MSU= 22	CF	Group 60	Standard	
Hitachi	GP7560/320		PSLC=Yes	MSU= 28	CF	Group 60	Standard	
Hitachi	GP7560/32D		PSLC=Yes	MSU= 24	CF	Group 60	Standard	
Hitachi	GP7560/32E		PSLC=Yes	MSU= 74				
Hitachi	GP7560/330		PSLC=Yes	MSU= 59	CF	Group 80	Standard	
Hitachi	GP7560/33D		PSLC=Yes	MSU= 55	CF	Group 80	Standard	
Hitachi	GP7560/33H		PSLC=Yes	MSU= 70	CF	Group 80	Standard	
Hitachi	GP7560/33S		PSLC=Yes	MSU= 45	CF	Group 80	Standard	
Hitachi	GP7560/340		PSLC=Yes	MSU= 80	CF	Group 80	Standard	
Hitachi	GP7560/34H		PSLC=Yes	MSU= 95	CF	IMLC/ELC		
Hitachi	GP7560/410		PSLC=Yes	MSU= 28	CF	Group 60	Standard	
Hitachi	GP7560/420		PSLC=Yes	MSU= 35	CF	Group 70	Standard	
Hitachi	GP7560/42D		PSLC=Yes	MSU= 31	CF	Group 70	Standard	
Hitachi	GP7560/430		PSLC=Yes	MSU= 76	CF	Group 80	Standard	
Hitachi	GP7560/43D		PSLC=Yes	MSU= 71	CF	Group 80	Standard	
Hitachi	GP7560/43H		PSLC=Yes	MSU= 90	CF	IMLC/ELC		
Hitachi	GP7560/440		PSLC=Yes	MSU= 103	CF	IMLC/ELC		
Hitachi	GP7560/44H		PSLC=Yes	MSU= 123	CF	IMLC/ELC		
Hitachi	GP7560/510		PSLC=Yes	MSU= 35	CF	Group 70	Standard	
Hitachi	GP7560/520		PSLC=Yes	MSU= 45	CF	Group 80	Standard	
Hitachi	GP7560/530		PSLC=Yes	MSU= 93	CF	IMLC/ELC		
Hitachi	GP7560/530D		PSLC=Yes	MSU= 80	CF	Group 80	Standard	
Hitachi	GP7560/53H		PSLC=Yes	MSU= 109	CF	IMLC/ELC		
Hitachi	GP7560/540		PSLC=Yes	MSU= 126	CF	IMLC/ELC		
Hitachi	GP7560/54H		PSLC=Yes	MSU= 149	CF	IMLC/ELC		
Hitachi	GP7560/610		PSLC=Yes	MSU= 41	CF	Group 80	Standard	
Hitachi	GP7560/620		PSLC=Yes	MSU= 51	CF	Group 80	Standard	
Hitachi	GP7560/630		PSLC=Yes	MSU= 109	CF	IMLC/ELC		
Hitachi	GP7560/63H		PSLC=Yes	MSU= 128	CF	IMLC/ELC		
Hitachi	GP7560/640		PSLC=Yes	MSU= 148	CF	IMLC/ELC		
Hitachi	GP7560/64H		PSLC=Yes	MSU= 174	CF	IMLC/ELC		
Hitachi	GP7560/710		PSLC=Yes	MSU= 46	CF	Group 80	Standard	
Hitachi	GP7560/720		PSLC=Yes	MSU= 57	CF	Group 80	Standard	
Hitachi	GP7560/730		PSLC=Yes	MSU= 124	CF	IMLC/ELC		
Hitachi	GP7560/73H		PSLC=Yes	MSU= 146	CF	IMLC/ELC		
Hitachi	GP7560/740		PSLC=Yes	MSU= 169	CF	IMLC/ELC		
Hitachi	GP7560/74H		PSLC=Yes	MSU= 197	CF	IMLC/ELC		
Hitachi	GP7560/810		PSLC=Yes	MSU= 51	CF	Group 80	Standard	
Hitachi	GP7560/820		PSLC=Yes	MSU= 61	CF	Group 80	Standard	
Hitachi	GP7560/830		PSLC=Yes	MSU= 136	CF	IMLC/ELC		
Hitachi	GP7560/83H		PSLC=Yes	MSU= 161	CF	IMLC/ELC		

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Hitachi	GP7560/840		PSLC=Yes	MSU= 188	CF	IMLC/ELC		
Hitachi	GP7560/84H		PSLC=Yes	MSU= 217	CF	IMLC/ELC		
Hitachi	GP7560/910		PSLC=Yes	MSU= 55	CF	Group 80	Standard	
Hitachi	GP7560/920		PSLC=Yes	MSU= 65	CF	Group 80	Standard	
Hitachi	GP7560/930		PSLC=Yes	MSU= 146	CF	IMLC/ELC		
Hitachi	GP7560/93H		PSLC=Yes	MSU= 174	CF	IMLC/ELC		
Hitachi	GP7560/940		PSLC=Yes	MSU= 205	CF	IMLC/ELC		
Hitachi	GP7560/94H		PSLC=Yes	MSU= 236	CF	IMLC/ELC		
Hitachi	GP7560/A10		PSLC=Yes	MSU= 59	CF	Group 80	Standard	
Hitachi	GP7560/A20		PSLC=Yes	MSU= 69	CF	Group 80	Standard	
Hitachi	GP7560/A30		PSLC=Yes	MSU= 156	CF	IMLC/ELC		
Hitachi	GP7560/A3H		PSLC=Yes	MSU= 186	CF	IMLC/ELC		
Hitachi	GP7560/A40		PSLC=Yes	MSU= 221	CF	IMLC/ELC		
Hitachi	GP7560/A4H		PSLC=Yes	MSU= 254	CF	IMLC/ELC		
Hitachi	GP7560/B30		PSLC=Yes	MSU= 163	CF	IMLC/ELC		
Hitachi	GP7560/B3H		PSLC=Yes	MSU= 196	CF	IMLC/ELC		
Hitachi	GP7560/B40		PSLC=Yes	MSU= 235	CF	IMLC/ELC		
Hitachi	GP7560/B4H		PSLC=Yes	MSU= 270	CF	IMLC/ELC		
Hitachi	GP7560/C40		PSLC=Yes	MSU= 248	CF	IMLC/ELC		
Hitachi	GP7560/C4H		PSLC=Yes	MSU= 285	CF	IMLC/ELC		
Hitachi	GP7560/D40		PSLC=Yes	MSU= 259	CF	IMLC/ELC		
Hitachi	GP7560/D4H		PSLC=Yes	MSU= 298	CF	IMLC/ELC		
Hitachi	GP7580/110		PSLC=Yes	MSU= 22	CF	Group 60	Standard	
Hitachi	GP7580/11D		PSLC=Yes	MSU= 19	CF	Group 50	Standard	
Hitachi	GP7580/11E		PSLC=Yes	MSU= 26	CF	Group 60	Standard	
Hitachi	GP7580/210		PSLC=Yes	MSU= 41	CF	Group 80	Standard	
Hitachi	GP7580/21D		PSLC=Yes	MSU= 36	CF	Group 70	Standard	
Hitachi	GP7580/21E		PSLC=Yes	MSU= 50	CF	Group 80	Standard	
Hitachi	GP7580/220		PSLC=Yes	MSU= 41	CF	Group 80	Standard	
Hitachi	GP7580/22E		PSLC=Yes	MSU= 50	CF	Group 80	Standard	
Hitachi	GP7580/310		PSLC=Yes	MSU= 60	CF	Group 80	Standard	
Hitachi	GP7580/31D		PSLC=Yes	MSU= 53	CF	Group 80	Standard	
Hitachi	GP7580/31E		PSLC=Yes	MSU= 74	CF	Group 80	Standard	
Hitachi	GP7580/320		PSLC=Yes	MSU= 60	CF	Group 80	Standard	
Hitachi	GP7580/32D		PSLC=Yes	MSU= 53	CF	Group 80	Standard	
Hitachi	GP7580/32E		PSLC=Yes	MSU= 74	CF	Group 80	Standard	
Hitachi	GP7580/410		PSLC=Yes	MSU= 76	CF	Group 80	Standard	
Hitachi	GP7580/41D		PSLC=Yes	MSU= 67	CF	Group 80	Standard	
Hitachi	GP7580/41E		PSLC=Yes	MSU= 95	CF	IMLC/ELC		
Hitachi	GP7580/420		PSLC=Yes	MSU= 76	CF	Group 80	Standard	
Hitachi	GP7580/42D		PSLC=Yes	MSU= 67	CF	Group 80	Standard	
Hitachi	GP7580/42E		PSLC=Yes	MSU= 95	CF	IMLC/ELC		
Hitachi	GP7580/520		PSLC=Yes	MSU= 92	CF	IMLC/ELC		
Hitachi	GP7580/52E		PSLC=Yes	MSU= 114	CF	IMLC/ELC		
Hitachi	GP7580/620		PSLC=Yes	MSU= 106	CF	IMLC/ELC		
Hitachi	GP7580/62E		PSLC=Yes	MSU= 131	CF	IMLC/ELC		
Hitachi	GP7580/720		PSLC=Yes	MSU= 120	CF	IMLC/ELC		
Hitachi	GP7580/72E		PSLC=Yes	MSU= 151	CF	IMLC/ELC		
Hitachi	GP7580/820		PSLC=Yes	MSU= 134	CF	IMLC/ELC		
Hitachi	GP7580/82E		PSLC=Yes	MSU= 168	CF	IMLC/ELC		
Hitachi	GP7600/110		PSLC=Yes	MSU= 45	CF	IMLC/ELC		
Hitachi	GP7600/210		PSLC=Yes	MSU= 88	CF	IMLC/ELC		
Hitachi	GP7600/310		PSLC=Yes	MSU= 131	CF	IMLC/ELC		
Hitachi	GP7600/410		PSLC=Yes	MSU= 171	CF	IMLC/ELC		
Hitachi	GP7600/510		PSLC=Yes	MSU= 210	CF	IMLC/ELC		
Hitachi	GP7600/610		PSLC=Yes	MSU= 247	CF	IMLC/ELC		
Hitachi	GP7600/710		PSLC=Yes	MSU= 282	CF	IMLC/ELC		

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Vendor	Machine	WLC	PSLC	MSU	Coupling Facility	Group	PR/SM	Other
Hitachi	GP7600/810		PSLC=Yes	MSU= 315	CF	IMLC/ELC		
Hitachi	GP7600/920		PSLC=Yes	MSU= 346	CF	IMLC/ELC		
Hitachi	GP7600/A20		PSLC=Yes	MSU= 374	CF	IMLC/ELC		
Hitachi	GP7600/B20		PSLC=Yes	MSU= 403	CF	IMLC/ELC		
Hitachi	GP7600/C20		PSLC=Yes	MSU= 427	CF	IMLC/ELC		
Hitachi	GP7600/D20		PSLC=Yes	MSU= 451	CF	IMLC/ELC		
Hitachi	GP7600/E20		PSLC=Yes	MSU= 475	CF	IMLC/ELC		
Hitachi	GP7600/F20		PSLC=Yes	MSU= 497	CF	IMLC/ELC		
Hitachi	GP7600/G20		PSLC=Yes	MSU= 518	CF	IMLC/ELC		

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In the Machine column, the letter "x" means any alphabetic or numeric character. "@" means any alphabetic or numeric character other than "x".

Workload License Charge (WLC) is a capacity based pricing model based on the capacity of a machine stated in Millions of Service Units (MSU). If all conditions are met, WLC allows customers to pay for sub-capacity eligible programs at sub-capacity levels.

zSeries Entry License Charge (zELC) is a model based pricing option limited to those machines that have been approved for one of the zELC categories.

Entry Workload License Charge (EWLC) is a capacity based pricing model based on the capacity of a machine stated in Millions of Service Units (MSU). If all conditions are met, WLC allows customers to pay for sub-capacity eligible programs at sub-capacity levels .. EWLC does not support aggregation.

Entry Workload License Charge Tiered Price Structure (TWLC) is an enhancement to the EWLC pricing metric. TWLC pricing is a capacity-based pricing model and eligible machines are classified into tiers, according to the table shown below:

Tier A	1-11 MSUs	Tier D	41-75 MSUs
Tier B	12 - 15 MSUs	Tier E	76-1500 MSUs
Tier C	16 - 40 MSUs	Tier F	1501+ MSUs

Parallel Sysplex License Charge (PSLC) is a capacity based pricing model based on the capacity of a machine as stated in MSUs. Standalone PSLC pricing is available for all machines designated as either PSLC-Single or PSLC-Yes. Aggregated PSLC pricing is only available for machines in a qualified parallel sysplex and designated as PSLC-Yes or PSLC-Aggr.

Millions of Service Units (MSU) defines performance.

Coupling Facility (CF): To qualify for aggregated PSLC or aggregated WLC pricing two or more machines must be actively coupled using an approved Coupling Facility.

Group charging or graduated charging is a capacity based pricing model where the charges are based on the group the machine is classified. This pricing model has been withdrawn for new MVS, OS/390 and z/OS products.

Indexed Monthly License Charge (IMLC) is a capacity based pricing model based on the capacity of a machine as stated in MSUs for machines over 80 MSUs running OS/390, z/OS or MVS programs. IMLC has been withdrawn for new orders.

Extended License Charge (ELC) is a capacity based pricing model based on the capacity of a machine as stated in MSUs. ELC pricing is limited to VM and VSE software on machines over 80 MSUs.

Growth Opportunity License Charge (GOLC) is a pricing model limited to machines that have been approved for one of the GOLC categories, H30, H50 or H70.

Software licensed under the IBM Program License Agreement (IPLA) has an up-front license fee and an ongoing (optional) maintenance fee.

Entry Support License (ESL) is a one time charge (OTC) for designated small capacity processors. The ESL designation is in the GROUP column.

Processor Resource/System Manager (Standard) hardware feature or equivalent is required to qualify for Multiple Operating System PR/SM (MOSP) pricing.

Application StarterPak License (ASPL) charges are available as a monthly license charge on IBM 3000 Models A10 and A20.

CPU Mach, Model: Original administrative convention to represent Non-IBM vendor machines for software designation.

New Mach, Model: New administrative convention to represent Non-IBM vendor machines for software designation. Enables the use of machine serial numbers for some countries.

Aggr. Only: Aggregated PSLC pricing applies only when machine is included in an actively coupled environment.

(1) Models qualify for WLC pricing when participating in a WLC Sysplex and all other WLC conditions are met.

In this exhibit, Machine type 2084 is described with a model nomenclature of 3xx where xx represents the number of general purpose central processors (CPs).