Supplemental Information for:

Site and Hardware Planning Information

This supplement is for form number SA38-0508-04 (October 1997)

CSU/CE Feature Installation

Attention: The following information is to indicate which features on various systems/models are intended to be installed by the customer and which features are to be installed by a Customer Engineer/Customer Service Representative (CE/CSR) as part on a Miscellaneous Equipment Specification (MES). This information is for systems/models available as of 02/98.

Note: The acronym CSU means Customer Set-Up.

Machine Type	Model	System CSU	Features	:/Options
			CE Install	Customer Install
7006	(ALL)	YES	ALL FEATURES	NONE
7007	(ALL)	YES	ALL FEATURES	NONE
7008	(ALL)	YES	ALL FEATURES	NONE
7009	(ALL)	YES	ALL FEATURES	NONE
7010	(ALL)	YES	ALL FEATURES	NONE
7011	(ALL)	YES	ALL FEATURES	NONE
7012	(ALL)	YES	ALL FEATURES	NONE
7013	(ALL) 1	NO	ALL FEATURES	NONE
7015	(ALL)	NO	ALL FEATURES	NONE
7024	(ALL)	YES	FC 6309	ALL OTHER FEATURES
7025	(ALL)	YES	FC 2856, 6309, 6549	ALL OTHER FEATURES
7026 2	(ALL)	NO	ALL OTHER FEATURES	FC 2901,2911, 2913 3071, 3072, 3083
7027	(ALL)	NO	ALL OTHER FEATURES	FC 2616, 3080,3083 3084, 3090, 6142 6147, 3133, 3134 3137, 3138, 6153 6294, 6295
7043	(ALL)	YES	FC 2856 & 6309	ALL OTHER FEATURES
7236	(ALL)	NO	ALL FEATURES	NONE
7248	(ALL)	YES	FC 2856	ALL OTHER FEATURES
7317	(ALL)	NO	ALL FEATURES	NONE
7318	(ALL)	NO	ALL FEATURES	NONE
7319	(ALL)	NO	ALL FEATURES	NONE
Enterprise Servers	S70	NO	ALL FEATURES	NONE

Note:

- 1. 7013 J30 was announced as CSU. US practice has been for CE install.
- 2. Some Machine Type 7026 Models have Enterprise Server in their name.

7026 Model H50 (Enterprise Server)

Dimensions			050 (0.0)			
Height			350 mm 13.8 i			
Width			443 mm 17.5 in.			
Depth			844 mm 33.2 i	n.		
Weight						
Minimum configura			71 kg 157 lbs.			
Maximum configur	ation		89 kg 195 lbs.	•		
Electrical						
Power source load	ding typical in kVA		0.4			
Power source load	ding maximum in kVA		0.63			
Voltage range (V a	ac)		200 to 240 (autorang	ging)		
Frequency (hertz)			50 or 60			
Thermal output (ty	. ,		1296BTU/hr			
Thermal output (m	,		2460 BTU/hr			
Power requiremen	,		380 watts			
Power requirements (maximum)		600 watts				
Power factor		0.8 - 0.96				
Inrush current ²			50 amps			
Maximum altitude ³		915 m (3000 ft.)				
Temperature Req	Juirements³	Operating		Non-Operating		
		10 to 40°C		10 to 43°C		
		(50 to 104°	°F)	(50 to 110°F)		
Humidity Require	ements	Operating	g	Non-Operating		
(Noncondensing)		8 to 80%	D	8 to 80%		
Wet Bulb		23°C (73°F)		27°C (80°F)		
Noise Emissions	1	Operating	g	Idle		
L_{WAd}		6.2 bels	-	5.9 bels		
L _{pAm}		NA		NA		
<l<sub>pA>_m</l<sub>		43 dBA		40 dBA		
Impulsive or promi	inent	No No		No		
discrete tones						
Clearances	Front	Back	Left	Right		
Install/Air Flow	Maintence of prope	er service clearances st	hould allow proper ai	r flow.		
Service	1650mm(65 in)	1015mm(40 in)	915mm(36 in)	915mm(36 in)		

- 2. Inrush currents occur only at initial application of power, no inrush occurs during normal power off-on
- 3. For altitudes above 915 meters, the maximum temperature limit is derated by 1 degree C for every 137 meters of elevation above 915 meters.

3570 Models B00, and C00

Dimensions		Horizon	tal	Ver	tical
Height		112 mm 4	l.4 in.	320 mm	12.6 in.
Width		320 mm 12	-	112 mm	4.4 in.
Depth		338 mm 13	3.3 in.	338 mm	13.3 in.
Weight					
Minimum		- 3	.5 lbs.	8.4 kg	18.5 lbs.
Maximum (with s	tand)	8.5 kg 18	.7 lbs.	8.5 kg	18.7 lbs.
Electrical					
Power source loa	ading		0.06	;	
(typical in kVA)		400.4	107 000 1	040 / /	,
Voltage range (V		100 to	o 127 or 200 to	`	ng)
Frequency (hertz	,		50 or 205 BT		
Thermal output (the Power requirement)			205 BT		
Power requireme	πιο(ιγρισαι)	0.0	ا 9 (100 V ac) or		١
Inrush current			` ,		,
Maximum altitude	7	30 amps at 100 V ac, 40 amps at 220 2135 m (7000 ft.)			v ac
		0	· · · · · · · · · · · · · · · · · · ·		
Temperature Re	quirements	Operating 16 to 32°C			perating
		(61 to 90°F)		10 to 43°C (50 to 109°F)	
		,		,	
Humidity Requir		Operation	•	Non-Operating	
(Noncondensing)		8 to 80°		8 to 80% 27°C(81°F)	
Wet Bulb		26°C(79	~F)	27°C	(81°F)
Noise Emission	S ¹	Operation	•		lle
L_{WAd}		5.5 bel	S	5.5 bels	
L _{pAm}		N/A		N/A	
<l<sub>pA>_m</l<sub>		37dBA	=	37dBA	
Impulsive noise		None		None	
Prominent discrete tones		None			one
Clearances	Front	Back	Left	Rig	ght
Install Air Flow ²	76 mm (3 in)	76 mm (3 in)	None	No	ne
Service	No additional clea	rance is needed for se	rvice.		
1. See "Noise E 2. Air flow is 25	Emission Notes" on page	e 15 for definitions of r	noise emissions	positions.	

3570 Models B01, and C01

Dimensions						
Height			217 mm	8.5 in.		
Height (with stand	d)		242.4 mm	9.5 in.		
Width			483 mm	19.0 in.		
Depth			771 mm	30.4 in.		
Weight						
Maximum			35.0 kg	77.1 lbs		
Maximum (with s	tand)		39.8 kg	87.7 lbs		
Electrical						
Power source loa	ading		0.0)7		
(typical in kVA)						
Voltage range (V		100 to	o 127 or 200 to	240 (autoranging)		
Frequency (hertz	•		50 o	• • •		
Thermal output (t			239 B	TU/hr		
Power requireme	nts(typical)		70 w			
Power factor			0.99 (100 V ac) or 0.95 (200 V ac)			
Inrush current		30 amp	30 amps at 120 V ac, 40 amps at 240 V ac			
Maximum altitude	9	2135 m (7000 ft.)				
Temperature Re	quirements	Operating		Non-Operating		
		16 to 32	°C	10 to 43°C		
		(61 to 90°F)		(50 to 109°F)		
Humidity Requir	rements	Operating		Non-Operating		
(Noncondensing)		8 to 80%		8 to 80%		
Wet Bulb		26°C(79°F)		27°C(81°F)		
Noise Emissions	S ¹	Operating		Idle		
L_{WAd}		5.7 bel	5.7 bels			
L _{pAm}		N/A		N/A		
<l<sub>pA>_m</l<sub>		41dBA		36dBA		
Impulsive noise		None	None			
Prominent discrete tones		None		None.		
Clearances	Front	Back	Left	Right		
Install Air Flow ²	76 mm (3 in)	76 mm (3 in)	None	None		
Service	No additional clea	rance is needed for se	rvice.			
1. See "Noise E 2. Air flow is 25	Emission Notes" on page	e 15 for definitions of n	oise emissions	s positions.		

3570 Model B02, and C02

Prominent discrete tones		None	None			
Impulsive noise		None	=	None		
-рат <l<sub>pA>_m</l<sub>		43dBA		38dBA		
-wad L _{pAm}		N/A	•	N/A		
Noise Emissions L _{WAd}) -	Operatii 5.8 bel		5.5 bels		
Noise Emissions	.2	•		Idle		
Wet Bulb		26°C(79°		8 to 80% 27°C(81°F)		
(Noncondensing)	cilicil(3	•	8 to 80%			
Humidity Require	amonts	Operation		Non-Operating		
		(61 to 90		10 to 43°C (50 to 109°F)		
remperature Net	quirentents		16 to 32°C			
Temperature Red	nuiroments	Operation	,	Non-Operating		
Maximum altitude		33 amp	2135 m (7000 ft.)			
Inrush current ¹		30 amps at 120 V ac, 40 amps at 240 V ac				
Power factor	no(typiodi)	0.9	0.99 (100 V ac) or 0.95 (200 V ac)			
Power requirement			130 v	= :		
Thermal output (t			444 B			
Frequency (hertz)		100 to	50 o	240 (autoranging)		
(typical in kVA) Voltage range (V	ac)	100 +	n 127 or 200 +	240 (autoranging)		
Power source load	aing		0.1	13		
Electrical	allia a		0.4	10		
	unu,			00.7 103		
Maximum (with st	and)		40.0 kg 44.8 kg	88.2 lbs 98.7 lbs		
Weight			40.0 kg	00 0 lbo		
•				OU.T III.		
Depth			771 mm	30.4 in.		
neight (with stand Width	1)		483 mm	9.5 m. 19.0 in.		
neigni Height (with stand	1/		217 mm 242.4 mm	9.5 in.		
Height			217 mm	8.5 in.		

- 2. See "Noise Emission Notes" on page 15 for definitions of noise emissions positions.
- 3. Air flow is 50 CFM.

3570 Models B11, and C11

Dimensions							
Height			217 mm	8.5 in.			
				(5EIA units)			
Width			444 mm	17.5 in.			
Depth			714 mm	28.1 in.			
Weight							
Maximum			24.0 kg	52.8 lbs			
Electrical							
Power source loadi	ing		0.	.07			
(typical in kVA)							
Voltage range (V a	c)	100	to 127 or 200 t	to 240 (autoranging)			
Frequency (hertz)				or 60			
Thermal output (typ	,			BTU/hr			
Power requirement	s(typical)			watts			
Power factor			0.99 (100 V ac) or 0.95 (200 V ac)				
Inrush current		30 am	30 amps at 120 V ac, 40 amps at 240 V ac				
Maximum altitude			2135 m (7000 ft.)				
Temperature Requ	uirements	Opera	•	Non-Operating			
		16 to 3		10 to 43°C			
		(61 to 9	90°F)	(50 to 109°F)			
Humidity Require	ments	Opera	•	Non-Operating			
(Noncondensing)		8 to 8		8 to 80%			
Wet Bulb		26°C(7	′9°F)	27°C(81°F)			
Noise Emissions*		Opera	ting	Idle			
L _{WAd}		5.5b	els	5.1bels			
L _{pAm}		N/A	-	N/A			
<l<sub>pA>_m</l<sub>		39 d		34 dBA			
Impulsive noise		Nor	-	None			
Prominent discrete tones		Nor	ne	None			
Clearances	Front	Back	Left	Right			
Install/Air Flow	Maintenance of	of a proper service clear	ance should allo	w proper air flow.			
Service	See service of	clearances for the "7015	System Rack R	00" on page 8.			
* See "Noise Emiss	sion Notes" on pag	ge 15 for definitions of n	oise emissions	positions.			
				•			

3570 Models B12, and C12

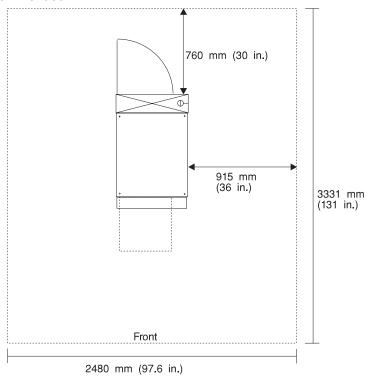
Dimensions							
Height			217 mm	8.5 in.			
				(5EIA units)			
Width			444 mm	17.5 in.			
Depth			714 mm	28.1 in.			
Weight							
Maximum			29.0 kg	63.9 lbs			
Electrical							
Power source loadi	ng		0.	.13			
(typical in kVA)							
Voltage range (V ac)		100 to		to 240 (autoranging)			
Frequency (hertz)				or 60			
Thermal output (typ	,			BTU/hr			
Power requirement	s(typical)			watts			
Power factor			0.99 (100 V ac) or 0.95 (200 V ac)				
Inrush current ¹		30 amps	30 amps at 120 V ac, 40 amps at 240 V ac				
Maximum altitude			2135 m (7000 ft.)				
Temperature Requ	uirements	Operatin		Non-Operating			
		16 to 32°	С	10 to 43°C			
		(61 to 90°	F)	(50 to 109°F)			
Humidity Require	nents	Operatin	•	Non-Operating			
(Noncondensing)		8 to 80%		8 to 80%			
Wet Bulb		26°C(79°F	=)	27°C(81°F)			
Noise Emissions ²		Operatin	g	ldle			
L_{WAd}		5.6bels		5.3bels			
L_pAm		N/A	N/A				
<l<sub>pA>_m</l<sub>			41 dBA				
Impulsive noise		None	None				
Prominent discrete tones		None		None			
Clearances	Front	Back	Left	Right			
Install/Air Flow	Maintenance of	aintenance of a proper service clearance should allow proper air flow.					
Service	See service cl	earances for the "7015 Sys	tem Rack R0	00" on page 8.			
		This model has two line co					

7015 System Rack R00

Dimensions				
Height			1578 mm	62.0 in.
Width			650 mm	25.5 in.
Depth with Std. Do	or		921 mm	36.0 in.
Depth with SMP Do		1060 mm	41.8 in.	
Weight	130 kg 286 lbs.			
Electrical	(see specifications for drawers or enclosures)			
Temperature Rang	nge (see specifications for drawers or enclosures)			
Humidity Requires	ements (see specifications for drawers or enclosures)			
Noise Emissions	(see specifications for drawers or enclosures)			
Clearances	Front	Back	Left	Right
Install/Air Flow	Maintenance of a proper service clearance should allow proper air flow.			
Service	1650mm(65 in)	760mm(30 in)	915mm(36	in) 915mm(36 in)

The amount of space needed by the unit during normal operation is indicated by broken lines on the footprint.

For multiple racks placed side by side, the left and right clearances apply only to the leftmost and rightmost rack. For five to six racks placed side by side, the left and right clearances need to be increased to 1525 mm (60 in). Having more than six racks side by side is not recommended.



Note: Rack units are large and heavy and are not easily moved. Because maintenance activities require access at both the front and back, extra room needs to be allowed. The footprint shows the radius of the swinging door on the rear of the rack and a drawer in the extended position. The illustration shows the minimum space required.

Depth			836 mm	37.9 in.
Weight				
Maximum			71 kg	157 lbs
Electrical				
Power source load	ling		0.175	
(typical in kVA)				
Voltage range (V a	ac)		100 to 127 or 20	
Frequency (hertz)	niaal)	40 4/0 45	50 or 60	
Thermal output (ty Power requiremen		42.1/0.15	175 watt	ls an explanation!!!!
Power fequilement	ιο(ιγρισαι)	TBD 0.6 (-
Maximum altitude		TBD 0.6 (100-127 V ac) or 0.55 (200-240 V ac) 2135 m (7000 ft.)		
Temperature Req	uirements	Operating		Non-Operating
		16 to 32°C		10 to 43°C
		(60 to 90	°F)	(50 to 110°F)
Humidity Require	ments	Operation	ng	Non-Operating
(Noncondensing)		8 to 80°	•	8 to 80%
Wet Bulb		26°C(79°F)		27°C(80°F)
Noise Emissions'	•	Operating		Idle
L_{WAd}		6.6 bels		5.6 bels
L _{pAm}		N/A		N/A
<l<sub>pA>_m</l<sub>		47dBA		34dBA
Impulsive noise	(Yes		Yes
Prominent discrete tones		No		No
Clearances	Front	Back	Left	Right
Install/Air Flow	76 mm (3 in)	76 mm (3 in)	76 mm (3 in)	76 mm (3 in)
Service	Install so that it ca	an he moved to an area	a providing 760 m	m (30 in) on each side.

Service	Install so that it can be moved to an area providing 760 mm (30 in) on each side.				
Install/Air Flow	76 mm (3 in)	76 mm (3 in)	76 mm (3 in)	76 mm (3 in)	
Clearances	Front	Back	Left	Right	
Prominent discrete tones		No	No		
Impulsive noise		Yes			
<l<sub>pA>_m</l<sub>		47dBA		34dBA	
L _{pAm}		N/A			
L _{WAd}	•		6.7 bels		
Noise Emissions	*	`	Operating		
Wet Bulb			26°C(79°F)		
Humidity Requir (Noncondensing)	ements	•	Operating 8 to 80%		
		`		Non-Operating	
		16 to 32 (60 to 90	-	10 to 43°C (50 to 110°F)	
Temperature Requirements		Operati	•	Non-Operating	
		2135 m (7000 ft.)			
Power factor Maximum altitude		TBD 0.6	TBD 0.6 (100-127 V ac) or 0.55 (200-240 V ac)		
Power requireme	nts(typical)		250 watt	~	
Thermal output (t	, ,	59.6/0.21		ds an explanation!!!!	
Frequency (hertz))		50 or 60		
Voltage range (V	ac)		100 to 127 or 20	00 to 240	
(typical in kVA)	·-····· •		3.20		
Electrical Power source loa	dina		0.28		
			127 kg	200 103	
Weight Maximum			127 kg	280 lbs	
Depth			001 111111	33.9 III.	
Width				39.7 in. 33.9 in.	
Height				40.5 in.	

Service	Install so that it ca	an be moved to an area	a providing 760 m	m (30 in) on each side.
Install/Air Flow	76 mm (3 in)	76 mm (3 in)	76 mm (3 in)	76 mm (3 in)
Clearances	Front	Back	Left	Right
Prominent discrete tones		No		No
Impulsive noise		Yes		Yes
L _{pAm} <l<sub>pA>_m</l<sub>		47dBA		34dBA
L _{WAd}		N/A		6.2 bels N/A
Noise Emissions	S [*]	•	Operating 6.8 bels	
	<u> </u>	•	· ·	27°C(80°F)
(Noncondensing) Wet Bulb			8 to 80% 26°C(79°F)	
Humidity Requir	rements	Operating 8 to 80%		Non-Operating 8 to 80%
		(60 to 90		(50 to 110°F)
		16 to 32	-	10 to 43°C
Temperature Requirements		Operating		Non-Operating
Maximum altitude		2135 m (7000 ft.)		υ π.)
Power factor		TBD 0.6 (,	0.55 (200-240 V ac)
Power requireme	nts(typical)		350 watt	· -
Thermal output (t		84.1/0.3		ls an explanation!!!!
Frequency (hertz			50 or 60)
Voltage range (V	ac)		100 to 127 or 20	00 to 240
(typical in kVA)	•			
Electrical Power source loa	ıdina		0.45	
Maximum			132 kg	290 lbs
Weight				"
Depth			861 mm	33.9 in.
Width			1009 mm	39.7 in.
Height			1029 mm	40.5 in.

Service	Install so that it can be moved to an area providing 760 mm (30 in) on each side.			
Install/Air Flow	76 mm (3 in)	76 mm (3 in)	76 mm (3 in) 76 mm (3 in)
Clearances	Front	Back	Left	Right
Prominent discrete tones		No	No	
Impulsive noise		Yes	Yes	
<l<sub>pA>_m</l<sub>		47dBA		34dBA
L _{pAm}		N/A		N/A
L _{WAd}			6.8 bels	
Noise Emissions	•	Operati	Operating	
Wet Bulb		26°C(79	°F)	27°C(80°F)
(Noncondensing)	monto	•	8 to 80%	
Humidity Require	ments	Operati		Non-Operating
		(60 to 90		10 to 43°C (50 to 110°F)
remperature iteq	un omonto	•	16 to 32°C	
Temperature Req	uirements	Operating		Non-Operating
Maximum altitude		TBD 0.6 (100-127 V ac) or 0.55 (200-240 V ac) 2135 m (7000 ft.)		
Power factor	is(typical)	TBD 0.6		
Thermal output (ty Power requirement	'	64.1/0.3	350 wat	ds an explanation!!!!
Frequency (hertz)	ninal)	04.4/0.0	50 or 6	₹
Voltage range (V a	IC)		100 to 127 or 2	
(typical in kVA)	,			
Power source load	ing		0.45	
Electrical				
Maximum			195 kg	428 lbs
Weight				
Depth			861 mm	33.9 in.
Width			1009 mm	
Height				58.3 in.

			1009 mm	39.7 in.		
Width Depth		861 mm		33.9 in.		
Weight						
Maximum			203 kg	446 lbs		
Electrical						
Power source loadi	ng	0.45				
(typical in kVA)						
Voltage range (V ac)		100 to 127 or 200 to 240				
Frequency (hertz)		04.4/0.0	50 or 60			
Thermal output (typical)		84.1/0.3	84.1/0.3 BTU/hr This needs an explanation!!!!			
Power requirements(typical) Power factor		350 watts				
Maximum altitude) 0.0 עם ו	TBD 0.6 (100-127 V ac) or 0.55 (200-240 V ac) 2135 m (7000 ft.)			
		Omanati	•	•		
Temperature Requirements		Operating 16 to 32°C		Non-Operating 10 to 43°C		
		(60 to 90	-	(50 to 110°F)		
Humidity Requirements		Operating		Non-Operating		
(Noncondensing)		8 to 80%		8 to 80%		
Wet Bulb		26°C(79°F)		27°C(80°F)		
Noise Emissions*		Operating		Idle		
L_{WAd}		6.8 bels		6.2 bels		
L _{pAm}		N/A		N/A		
<l<sub>pA>_m</l<sub>		47dBA		34dBA		
Impulsive noise		Yes		Yes		
Prominent discrete tones		No		No		
Clearances	Front	Back	Left	Right		
Install/Air Flow	76 mm (3 in)	76 mm (3 in)	76 mm (3 in	76 mm (3 in)		
Service	Install so that it ca	an be moved to an area	a providing 760 m	m (30 in) on each side.		

7337 Model 306 DLT Tape Library

Dimensions				
Height	22.2 mm	8.75 in.		
Width	48.0 mm	18.9 in.		
Depth	67.3 mm	26.5 in.		
Weight				
Maximum	33 kg	72 lbs.		
Electrical				
Power source loading (kVA)	0.3	34		
Voltage range (V ac)	100 to 240 (autoranging)			
Frequency (hertz)	50 or 60			
Thermal output	445 BTU/hr for two drives			
Power requirements	130 watts			
Power factor	TBD			
Maximum altitude	1828 m (1828 m (6000 ft.)		
Temperature Requirements	Operating	Non-Operating		
	10 to 35°C	5 to 32°C		
	(50 to 95°F)	(40 to 90°F)		
Humidity Requirements	Operating	Non-Operating		
(Noncondensing)	20 to 80%	20 to 80%		
Wet Bulb	23°C (73.4°F)	46°C (114°F)		
Noise Emissions*	Operating	Idle		
L _{WAd}	5.3 bels	6.0 bels		
L_pAm	NA	NA		
<l<sub>pA>_m</l<sub>	TBD dBA	TBD dBA		
Impulsive or prominent	No	No		
discrete tones				

9516 TFT LCD Color Monitor

9516 TFT LCD Color Monitor that has a fixed viewable image size of 408 mm (16.1 inches) measured diagonally.

Clearances	Front	Back	Left	Right	
L _{WAd}		4.5 bels		NA bels	
Noise Emissions*		Operating		ldle	
(Noncondensing)		5 to 80	5 to 80 %		
Humidity Requirements		•	Operating		
		(50 to 10	04°F)	(50 to 110°F)	
		10 to 4	l0°C	10 to 43°C	
Temperature Requirements		Opera	ting	Non-Operating	
Maximum altitude			2135 m (7000 ft.)		
(in enegry saving mode VESA off)			8 watts		
(in active mode VESA Standby)		18 watts			
Power requireme			100 B	10/111	
Thermal output (maximum)			188 BTU/hr		
Voltage range (V ac) Frequency (hertz)			100 to 240 50 or 60		
Electrical	20)		100 +	240	
Weight			9.9 kg	21.8 lbs	
Depth			250 mm 9.8 in		
Width			408 mm 16.1 in		
(Display with Tilt/Swivel)			511 mm 21.1 in		
Height (Display only)			431 mm		

Noise Emission Notes

- 1. L_{WAd} is the declared sound power emission level for a production series of machines.
- 2. L_{pAm} is the mean value of the sound pressure emission levels at the operator position (if any) for a production series of machines.
- 3. <L_{pA}>_m is the mean value of the space-averaged sound pressure emission levels at the one-meter positions for a production series of machines.
- 4. N/A = Not Applicable (no operator position).
- 5. All measurements are made in accordance with ISO DIS 779 and reported in conformance with ISO DIS 7574/4.

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