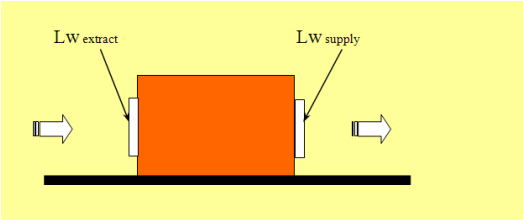
Measuring of sound level

Product name CDP 75

Special conditions of the measurements The unit is operating (ventilator + cooling circuit).
Calculation of Lw (sound power level) is done within each frequency band and on hand of previous Lp (sound pressure level) measurements.

Set up for measuring point



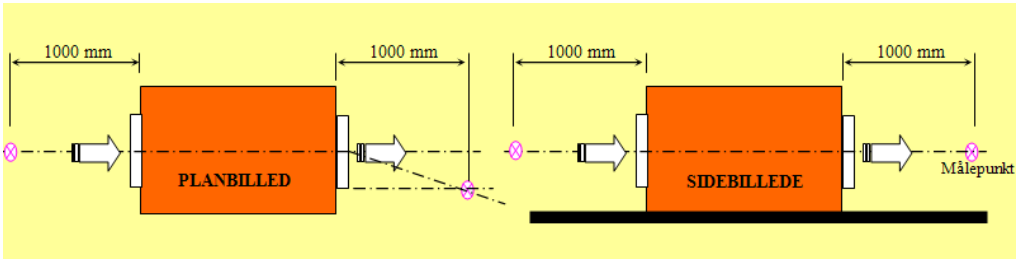
Supply Lw = 84 dB(A)

HZ		63	125	250	500	1K	2K	4K	8K
Sound power level	LwA	80	78	74	72	69	68	69	68

Extract Lw = 80 dB(A)

HZ		63	125	250	500	1K	2K	4K	8K
Sound power level	LwA	77	72	67	69	71	62	58	49

Noise in duct



Supply

HZ	63	125	250	500	1K	2K	4K	8K
LpA	45	53	56	60	60	60	61	58
LpA	68 dB(A)							
NR value	59							

Extract

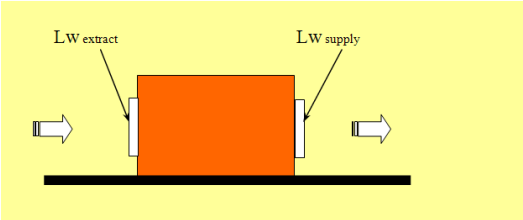
HZ	63	125	250	500	1K	2K	4K	8K
LpA	42	47	49	57	62	54	50	39
LpA	64 dB(A)							
NR value	59							

Measuring of sound level

Product name CDP 125

Special conditions of the measurements The unit is operating (ventilator + cooling circuit).
Calculation of Lw (sound power level) is done within each frequency band and on hand of previous Lp (sound pressure level) measurements.

Set up for measuring point



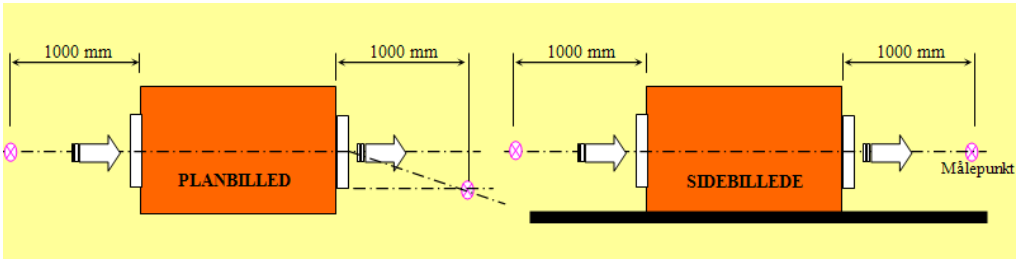
Supply Lw = 85 dB(A)

HZ		63	125	250	500	1K	2K	4K	8K
Sound power level	LwA	81	79	76	74	74	70	71	67

Extract Lw = 79 dB(A)

HZ		63	125	250	500	1K	2K	4K	8K
Sound power level	LwA	76	73	68	69	70	65	59	49

Noise in duct



Supply

HZ	63	125	250	500	1K	2K	4K	8K
LpA	45	53	57	61	65	61	62	53
LpA	69 dB(A)							
NR value	64							

Extract

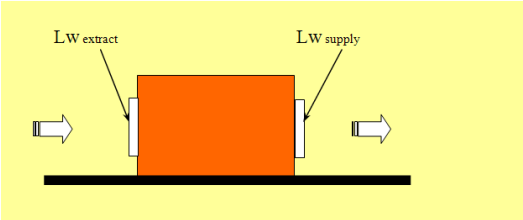
HZ	63	125	250	500	1K	2K	4K	8K
LpA	41	46	50	57	61	56	51	39
LpA	64 dB(A)							
NR value	59							

Measuring of sound level

Product name CDP 165

Special conditions of the measurements The unit is operating (ventilator + cooling circuit).
Calculation of Lw (sound power level) is done within each frequency band and on hand of previous Lp (sound pressure level) measurements.

Set up for measuring point



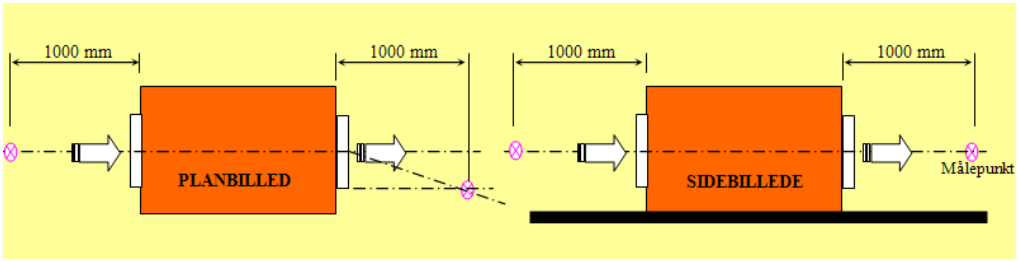
Supply Lw = 87 dB(A)

HZ		63	125	250	500	1K	2K	4K	8K
Sound power level	LwA	82	80	78	76	78	76	74	73

Extract Lw = 84 dB(A)

HZ		63	125	250	500	1K	2K	4K	8K
Sound power level	LwA	80	78	72	72	76	70	67	64

Noise in duct



Supply

HZ	63	125	250	500	1K	2K	4K	8K
LpA	46	54	59	64	68	67	64	60
LpA	73 dB(A)							
NR value	68							

Extract

HZ	63	125	250	500	1K	2K	4K	8K
LpA	44	53	53	59	66	62	58	50
LpA	69 dB(A)							
NR value	64							