

Sound emission values for HILLER centrifuges

Centrifuge type	rotor speed [min-1]	medium sound pressure level [dB(A)]				medium sound power level [dB(A)]		
		standard design	with sound proofing		completely encapsulated	standard design	with sound proofing	
		①	②	③	④	①	②	③
DP/DT31-422	4500	83 ±2	80 ±2	78 ±2	70	99	-	94
DP/DT37-422	4000	84 ±2	81 ±2	79 ±2	70	101	-	96
DP/DT45-422	3500	83 ±2	81 ±2	-	70	101	99	-
DP484	3500	82 ±2	-	-	70	100	-	-
DP573/DP574	3250	82 ±2	-	-	72	100	-	-
DP664	2900	86 ±2	83 ±2	-	72	105	102	-
DP764	2700	87 ±2	84 ±2	-	73	107	104	-

- ① standard design: without noise reduction measures.
- ② sound proofing measures: base frame filled with sand (including measure ①)
- ③ sound proofing measures: base frame filled with sand + additional panel under bottom half of casing + belt cover cladded (including measure ① ②)
- ④ sound proofing measures: acoustic cover for complete machine.

Remarks: The stated values are averages. These values are dependent on the quietness of the machine.
They are based on max. bearing vibrations of 4mm/sec at operating speed and are measured with solids and centrate chutes closed.
The sound pressure values are adjusted (freefield condition according to EN ISO 3746).
According to the place of installation the sound emissions increases by the value of the space repercussion.
The values given above apply without product throughput!