HOWARD LEIGHT
by Honeywell

Noise Thermometer

Sound energy doubles every 3dB

e.g. if an 85dB noise is doubled it measures 88dB

Use Class of hearing protector shown below for 8-hour exposures at the designated noise levels

Extreme noise levels require double protection, and/or engineering and administrative controls

Immediate Physical Damage

Fireworks 162 dB

Shotgun 170 dB

Handgun 166 dB

Apollo Lift-Off 188 dB

M1Rifle 161 dB

Artillery Fire 162 dB

160 dB

Hearing protection required for any noise exposures above this level, regardless of duration

Firecracker 150 dB

Balloon Pop 157 dB

Engine Backfire 140 dB

Bicycle Horn 143 dB

Jet Engine Take-Off 150 dB

Dynamite Blast 140 dB

140 dB

Hearing damage and ringing in ears may result from even short exposures above this level

Noisy Squeeze Toys 135 dB

Auto Racing 130 dB

Pig Squeal 130 dB

Jackhammer 130 dB

Oxygen Torch 121 dB

120 dB

Thunder 120 dB

Rock Concert 120 dB

Chainsaw 118 dB

Stadium 117 dB

Hammer on Nail 120 dB

Jet Plane at Ramp 120 dB

Compactor 116 dB

Ambulance Siren 112 dB

Diesel Truck Accelerating 114 dB

110 dB

Class 5

Crying Baby 110 dB

105 dB

Class 4

Extremely Loud

Motorcycle 105 dB

CD Player 105 dB

Impact Wrench 102 dB

100 dB

Class 3

Bulldozer 100 dB

Industrial Fire Alarm 95 dB

95 dB

Class 2

Power Lawnmower 94 dB

Subway 90 dB

Table Saw 93 dB

90 dB

Class 1

Hearing protection required for 8-hour average noise exposures above this level

Cockpit of Propeller Airplane 88 dB

Forklift 87 dB

85 dB

Smoke Alarm 85 dB

Blender 85 dB

Elevator 85 dB

Hair Dryer 80 dB

Handsaw 85 dB

Ringing Telephone 82 dB

Vacuum Cleaner 74 dB

Alarm Clock 75 dB

Garbage Disposal 80 dB

Lathe 81 dB

Non-Hazardous

65 dB

Sewing Machine 60 dB

Microwave Oven 58 dB

Dishwasher 60 dB

Background Music 50 dB

Rainfall 50 dB

Normal Conversation 60 dB

Large Office 50 dB

Flowing Stream 50 dB

Paper Rustling 50 dB

Transformer 50 dB

Comfortable

50 dB

Quiet Library 40 dB

Quiet Office 40 dB

Quiet Residential Area 40 dB

Refrigerator 43 dB

Audible Whisper 30 dB

Threshold of Audibility

20 dB

Normal Breathing 10 dB

0 dB

Non-Occupational Noise

Occupational Noise

For more details call
Australia 1300 139 166
New Zealand 0800 322 200
visit www.honeywellsafety.com

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