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AMENDMENT 2 1994-10-15

Earth-moving machinery — Human physical dimensions of operators and minimum operator space envelope

AMENDMENT 2

Engins de terrassement — Dimensions ergonomiques des conducteurs et espace enveloppe minimal

AMENDEMENT 2

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Reference number ISO 3411:1982/Amd.2:1994(E)

ISO 3411:1982/Amd.2:1994(E)

Foreword

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Amendment 2 to International Standard ISO 3411:1982 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 2, *Safety requirements and human factors*.

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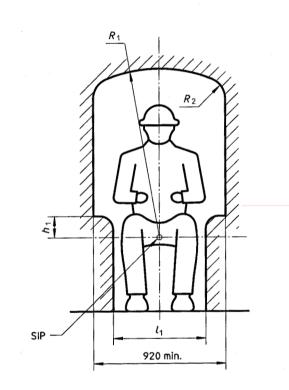
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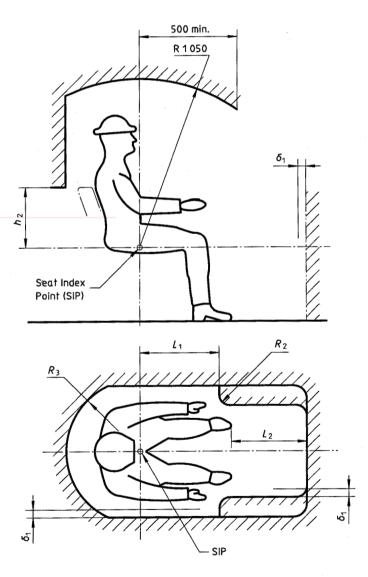
Earth-moving machinery — Human physical dimensions of operators and minimum operator space envelope

AMENDMENT 2

Page 6, figure 5

Replace the existing figure 5 with the following figure 5 and table 1.





NOTE — Dimensions are given in table 1.

Figure 5 — Operator minimum normal interior space envelope for enclosure — Seated clothed operator

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Table 1

Dimensions in millimetres

Reference	Designation	Dimension
δ_1	Clearance between enclosure and controls at their closest to the enclosure	50 min.
<i>R</i> ₁	Distance between SIP and the enclosure ceiling in the transverse plane:	
	 with the operator wearing a protective helmet, on a seat with suspension and adjustment, where the machine has engine power above 150 kW 	1 050 min
	 with the operator not wearing a protective helmet, on a seat with suspension and adjustment, where the machine has engine power between 30 kW and 150 kW 	1 000 min
	 with the operator not wearing a protective helmet, on a seat that has neither suspension nor adjustment, where the machine has engine power less than 30 kW 	920 min.
R ₂	Radius at the intersection of enclosure's internal walls with each other and with the ceiling	250 max.
R ₃	Distance towards rear	1)
h_1	Vertical distance between SIP and the lower end of upper side walls of the enclosure	150 max.
h ₂	Vertical distance between SIP and the lower end of upper back wall of the enclosure	2)
<i>l</i> ₁	Width within the space for the legs	560 min.
L ₁	Clearance for forearm/hand within the upper side areas of the enclosure	500 min.
<i>L</i> ₂	Clearance between the enclosure and the operator's arctic shoe working a pedal or foot-control in any position	30 min.
	+ 400 mm, where b is equal to half the horizontal seat adjustment dimension. nsion shall be equal to the vertical distance between the SIP and the top of the seatrest adjusted to its low	vest

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ISO 3411:1982/Amd.2:1994(E)

ICS 53.100.00

Descriptors: earth-moving equipment, operating requirements, human body, dimensions, operating stations, ergonomics.

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<u>1SO 3411:1982/Amd 2:1994</u>

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