



Transport  
Canada

Transports  
Canada

# Type Certificate

## AP-22

Pursuant to Canadian Aviation Regulations PART V, SUBPART 11, this Type Certificate is issued to:

**Helly Hansen Canada Limited**  
**131 Thornhill Drive**  
**Dartmouth, Nova Scotia**  
**Canada B3B 1S2**

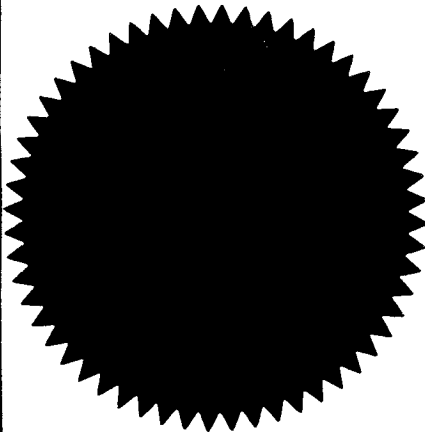
For the Following Aeronautical Product(s):

**Model E-352, E-352-B, E-352-C, E-352-D, E-452**  
**Helicopter Passenger Transportation Suit System**

Details of the type design, basis of certification, operating limitations and other associated airworthiness requirements are specified in:

**Department of Transport Type Certificate Data Sheet AP-22 Issue 7**

or latest revision



Regional Manager  
Aircraft Certification  
for Minister of Transport

December 15, 2006  
Date of Issue

**Canada**



# Type Certificate Data Sheet

Number: AP-22

Issue No.: 7

Approval Date: March 02, 2001

Issue Date: December 15, 2006

This Data Sheet which is part of Type Certificate No. AP-22 prescribes the conditions and limitations under which the product(s) for which the Type Certificate was granted meet(s) the standards of airworthiness required by the Canadian Aviation Regulations.

**Type Certificate Holder:**

Helly Hansen Canada Limited  
131 Thornhill Drive  
Dartmouth, Nova Scotia  
Canada  
B3B 1S2

**Models**

E-352, E-352-B, E-352-C, E-352-D, E-452  
Helicopter Passenger Transportation  
Suit System

Approved Configuration: As per Helly Hansen Canada Limited Master Drawing List E-352 and E-452 Amendment No. 12, Transport Canada approved dated December 15, 2006, or later Transport Canada approved revision. (See Note 1 & 2)

Basis of Certification: E-352, E-352-B, E-352-C, E-352-D:  
Airworthiness Manual Chapter 537, recognizing Canadian General Standard Board CAN/CGSB-65.17-M88 dated January 1988, for Helicopter Passenger Transportation Suit Systems. (See Note 3)

- E-452:
1. Airworthiness Manual Chapter 537 recognizing Canadian General Standard Board CAN/CGSB-65.17-99 dated December 1999, for Helicopter Passenger Transportation Suit Systems.
  2. Transport Canada Special Conditions - Airworthiness (SCA) No. 2006-07 dated December 8, 2006. (See Note 4)

**Limitations:**

1. E-352-C:  
The attached life jacket must not be inflated during helicopter transport.
2. E-452:  
If the Helicopter Transportation Suit System is stored below -30° Celsius (-22° F) the suit system must be stored hanging, with the PVC boots upright and without bends in the boots.



# Type Certificate Data Sheet

(Continuation Sheet)

Number: AP-22 Issue: 7

Required Operating Data: NIL.

Required Maintenance Data: The Helly Hansen Helicopter Passenger Transportation Suit Systems shall be maintained in accordance with the Helly Hansen Maintenance Manuals specified in the Helly Hansen Canada Limited Master Drawing List E-352 and E-452 Amendment No. 12, or later applicable Maintenance Manual revisions.

Aircraft Applicability: All rotorcraft types.

- Notes:
1. E-452: Aqualung SEA LV-2 Emergency Breathing System (EBS) has been certified as part of the Helicopter Passenger Suit System. The basis of certification does not contain performance standards for the EBS and this Type Certificate does not constitute formal recognition of the performance of the installed EBS.
  2. E-352-C & E-452: SeaMarshal IS-SMRS8, SMRS-LD, SMRS8-LR, ISPLB8, or ACR Electronics, Inc. 2797.4 Personal Locator Beacon (PLB) have been certified as part of the Helicopter Passenger Suit System. The basis of certification does not contain performance standards for the PLB and this Type Certificate does not constitute formal recognition of the performance of the installed PLB.
  3. Dunlop-Beaufort 2001 Transafe Life Jacket must be part of the Helicopter Passenger Transportation Suit system configurations.
  4. Helly Hansen E-452 suit system with integrated lifejacket has been shown to meet AWM 551.401 Life Saving Equipment Over Water – Life Preserver.

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John S. Ereaux  
Regional Manager, Aircraft Certification  
for Minister of Transport