

SCHWEIZER AIRCRAFT CORP.

Supplement to the Approved
Rotorcraft Flight Manual

For

Schweizer 330 Model 269D Helicopters

EXTENDED HEIGHT LANDING GEAR

WARNING: THIS DOCUMENT, OR AN EMBODIMENT OF IT IN ANY MEDIA, DISCLOSES INFORMATION WHICH IS PROPRIETARY, IS THE PROPERTY OF SIKORSKY AIRCRAFT CORPORATION AND/OR ITS SUBSIDIARIES, IS AN UNPUBLISHED WORK PROTECTED UNDER APPLICABLE COPYRIGHT LAWS, AND IS DELIVERED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED, DISCLOSED, REPRODUCED, IN WHOLE OR IN PART (INCLUDING REPRODUCTION AS A DERIVATIVE WORK), OR USED FOR MANUFACTURE FOR ANYONE OTHER THAN SIKORSKY AIRCRAFT CORPORATION AND/OR ITS SUBSIDIARIES WITHOUT ITS WRITTEN CONSENT, AND THAT NO RIGHT IS GRANTED TO DISCLOSE OR SO USE ANY INFORMATION CONTAINED HEREIN. ALL RIGHTS RESERVED. ANY ACT IN VIOLATION OF APPLICABLE LAW MAY RESULT IN CIVIL AND CRIMINAL PENALTIES.

EXPORT WARNING: THESE COMMODITIES, TECHNICAL DATA OR SOFTWARE ARE SUBJECT TO THE EXPORT CONTROL OF EITHER THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR) OR THE EXPORT ADMINISTRATION REGULATIONS (EAR) AND CANNOT BE EXPORTED WITHOUT THE PRIOR AUTHORIZATION OF EITHER THE DEPARTMENT OF STATE OR THE DEPARTMENT OF COMMERCE. THE TERM (EXPORT) INCLUDES ANY DISCLOSURE AND/OR PROVISION OF ACCESS TO COMMODITIES, TECHNICAL DATA OR SOFTWARE TO OR BY FOREIGN NATIONALS (WHETHER LOCATED IN THE UNITED STATES OR ABROAD). THIS REQUIREMENT ALSO APPLIES TO FOREIGN NATIONAL EMPLOYEES OF U.S. COMPANIES AND THEIR FOREIGN SUBSIDIARIES.

Date of Approval : DEC 16 1998

Approved By: Michele J. Maurer
Michele J. Maurer,
Manager, Systems and Flight Test
Branch, NYACO, ANE-172

**SCHWEIZER MODEL 269D HELICOPTER
CSP-D-1N**

LOG OF PAGES

Page	Date	Page	Date
1	16 Dec 1996	7	16 Dec 1996
2	26 Sep 2008	8	16 Dec 1996
3	16 Dec 1996	9	16 Dec 1996
4	16 Dec 1996	10	03 Feb 1997
5	16 Dec 1996	11	26 Sep 2008
6	16 Dec 1996	12	26 Sep 2008

REVISION TABLE

Number Change	Date	Description
# 1	03 Feb 1997	Typographical error on Station Diagram. Changed fwd jacking point station from 76.64 to 74.64.
#2	26 Sep 2008	Addition of Ground Handling Wheel information in Section VII

NOTE

The change bar (█) defines the latest approved changes.

SCHWEIZER MODEL 269D HELICOPTER
CSP-D-1N

INDEX

Section	Title	Page
I	General	5
II	Limitations	7
III	Emergency and Malfunction Procedures	7
IV	Normal Procedures	7
V	Performance Data	8
VI	Weight & Balance Data	9
VII	Aircraft Handling, Servicing & Maintenance	11
VIII	Additional Operations & Performance Data	11

SCHWEIZER MODEL 269D HELICOPTER
CSP-D-1N

This page is intentionally left blank.

SCHWEIZER MODEL 269D HELICOPTER
CSP-D-1N

SECTION I
General

This supplement must be carried in the applicable basic FAA approved 330 Model 269D Rotorcraft Flight Manual when the rotorcraft is equipped with the optional 269D7100 Extended Height Landing Gear. Except as modified by this flight manual supplement, operation in compliance with the basic approved Rotorcraft Flight Manual is mandatory.

The Schweizer Extended Height Landing Gear provides additional ground clearance for the helicopter.

SCHWEIZER MODEL 269D HELICOPTER CSP-D-1N

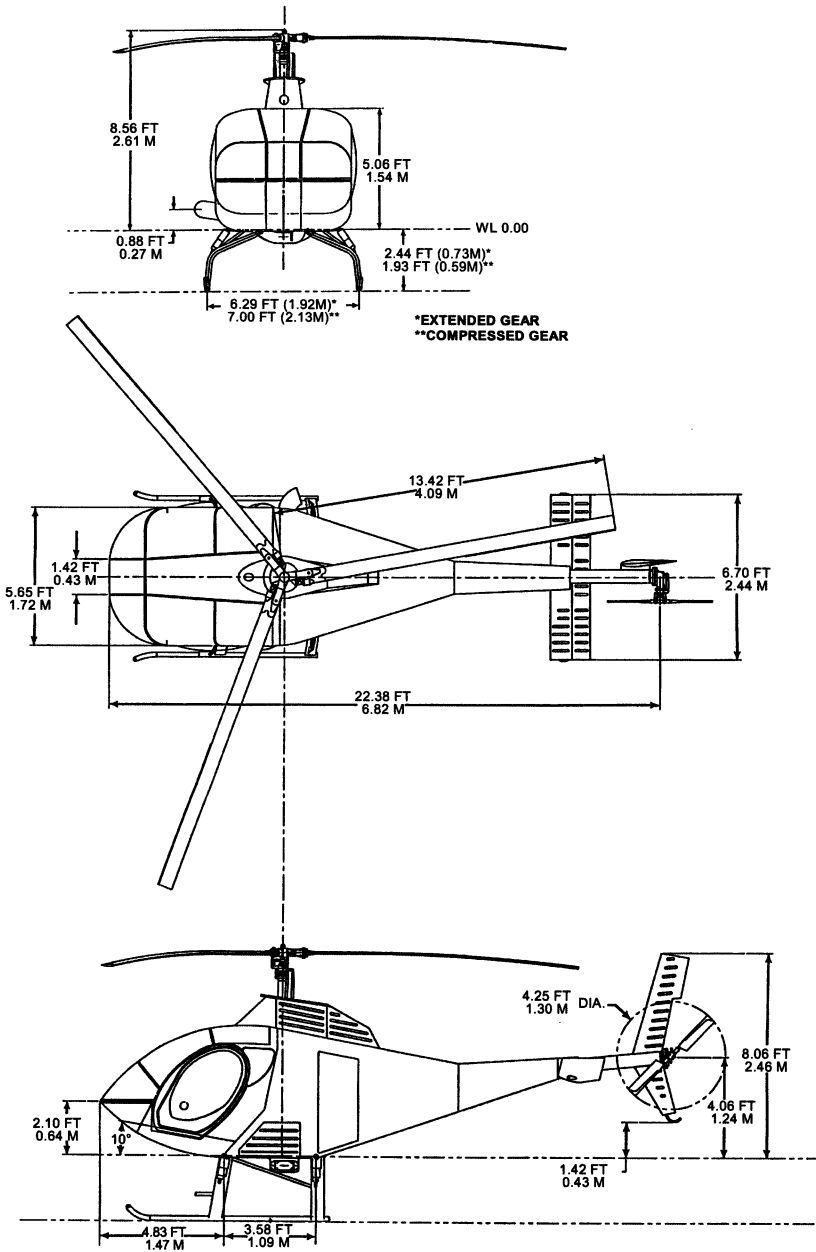


Figure 1-1. Principal Dimensions

SCHWEIZER MODEL 269D HELICOPTER
CSP-D-1N

SECTION II

Limitations
Not Affected

SECTION III

Emergency and Malfunction Procedures
Not Affected

SECTION IV

Normal Procedures

4.1 PRACTICE AUTOROTATION

CAUTION

Any running landing with new skid shoes will result in a more noticeable nose down tendency during ground slide.

SCHWEIZER MODEL 269D HELICOPTER
CSP-D-1N

SECTION V
Performance Data

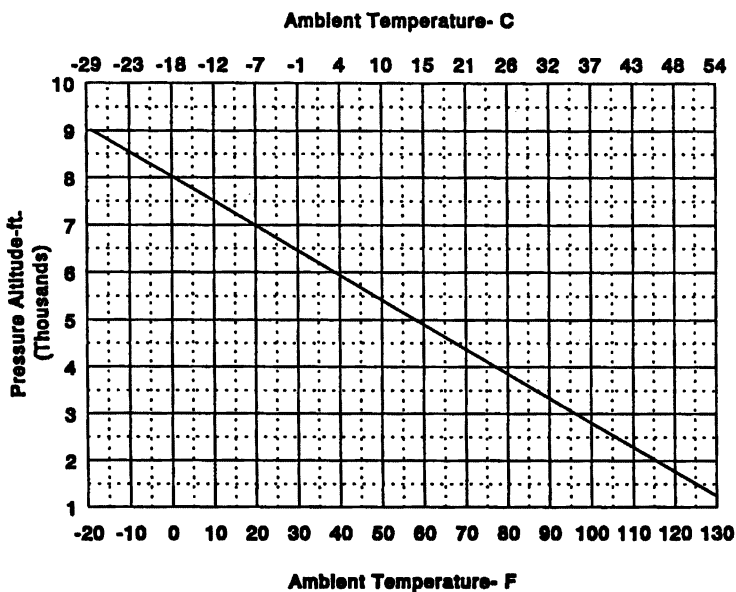


Figure 5-1. Hover Ceiling In Ground Effect - Three-Foot Skid Height, at Max Gross Weight (2230 lbs) or below.

SCHWEIZER MODEL 269D HELICOPTER
CSP-D-1N

SECTION VI
Weight and Balance Data

- 6-1.** The 269D7100 Extended Height Landing Gear uses different jacking points than the standard height landing gear to perform aircraft weight and balance. See Figure 6-1 for new jacking point locations.

SCHWEIZER MODEL 269D HELICOPTER
CSP-D-1N

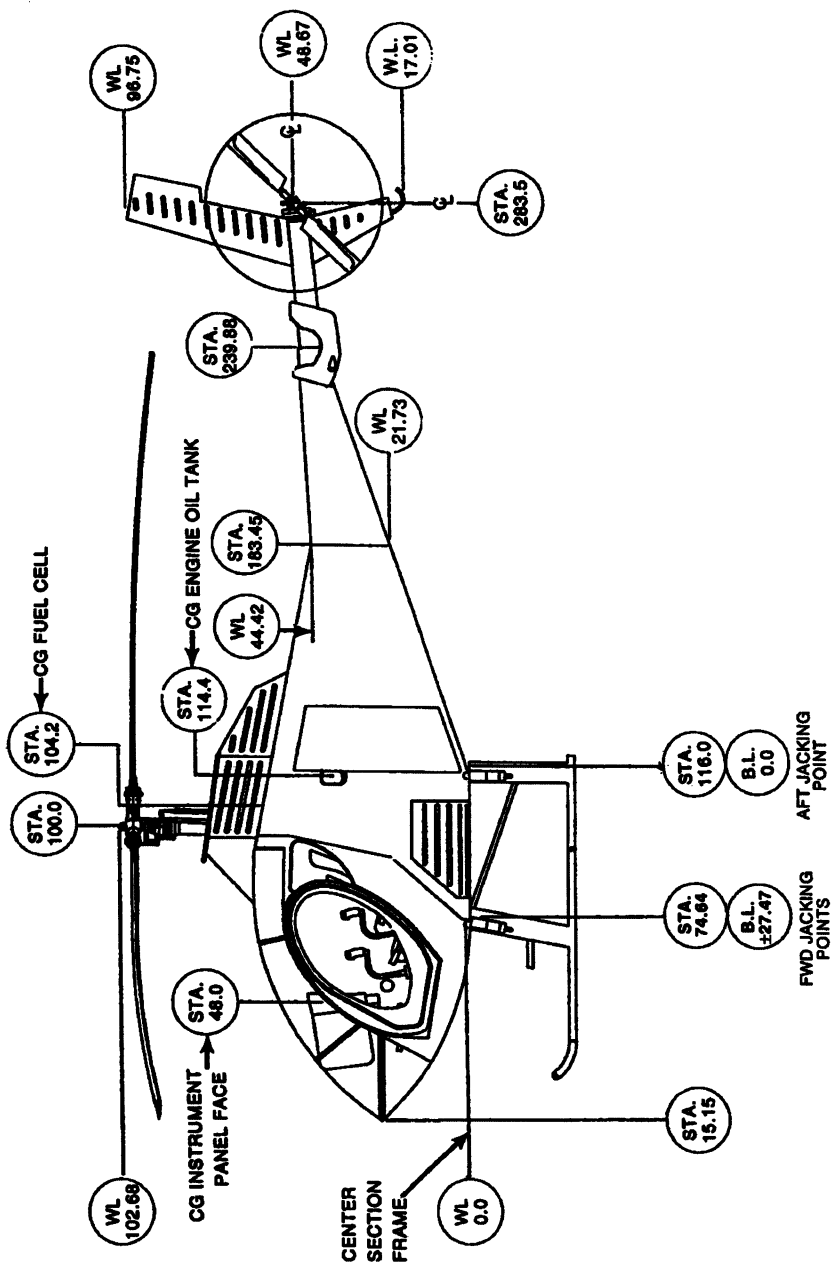


Figure 6-1. Station Diagram

SECTION VII

7-1. GROUND HANDLING WHEELS

- Two configurations of ground handling wheels are available for the helicopter; single wheel (stowed above landing gear skid tubes) and dual wheels (removed before flight).

Single Wheel Ground Handling Wheels (Stowed above landing gear skid tubes during flight)

These wheel assemblies are configured with mount brackets permanently attached to the skid tubes and provisions for stowage of the operating handle on the inboard side of the left hand landing gear stabilizer (step). The handle is secured in the stowage mount with a quick release pin. The single wheel assembly can remain attached to the skid tube mounts during flight or can be removed before flight. For ground handling, release the lynch pin retainer clip and remove the lynch pin from mount; rotate wheel aft to the ground. Remove the operating handle from the stowage mount and insert handle into hole in axle assembly. Rotate handle aft until lynch pin holes are aligned and insert lynch pin; secure pin with retainer clip. **Before Flight**, in reverse order of lowering the wheels, rotate wheel assemblies to the up position and secure in place with lynch pins. **Do Not Operate** the helicopter with the ground handling wheels rotated down into the ground handling position. Stow handle in mount and secure with quick release pin.

Remove the ground handling wheel assemblies from the helicopter by removing lynch pins from mounts and removing safety pins from inboard end of rotating axle. When removing the axle assemblies from the mounts, note the number and location of washers that are placed on the axle. Install the axle assembly in the mount in reverse order of removal. During installation, two or more spacing washers are placed on the axle between the wheel and the mount and one washer is placed on the inboard end of the axle between the mount and retaining pin.

Dual Wheel Ground Handling Wheels (Remove before flight)

- The dual wheel ground handling wheels attach to bolts mounted on the skid tube. Wheel assemblies are labeled LH and RH for the left and right sides respectively. Install each wheel assembly by placing mount bracket, which is connected to the wheels, over the skid tube with the slots in the bracket forward of the respective bolts on the skid tube. Slide the mount bracket aft until slots in bracket are fully engaged on

SCHWEIZER MODEL 269D HELICOPTER
CSP-D-1N

the mount bolts. Release lynch pin retainer clip and remove lynch pin from mount assembly. Insert handle into wheel assembly and rotate wheel over center. Align lynch pin hole in bracket with hole in axle and install lynch pin; secure pin with retaining clip. Remove handle. **Dual ground handling wheels must be removed before flight.** Remove wheel assemblies from skid in reverse order of installation.

CAUTION

When balancing/moving helicopter by hand, do not push on stabilizers or any other component or surface that may sustain damage from ground handling or pushing. If helicopter is moved in aft direction (rearward) do not drag skid heels on ground. Damage to landing gear components may occur if skid heels catch on a rough surface.

- Move helicopter on ground by manually balancing on ground handling wheels and pushing on tail rotor transmission housing or any structural member(s) of helicopter (i.e. cabin door may be opened and assistant may push on adjacent door frame).

CAUTION

Do not tow helicopter at speeds over 5 MPH. Do not allow front end of skid tubes to drag on ground. Avoid sudden stops and starts and short turns which could cause the helicopter to turn over. Allow inside wheel to turn (not pivot) while helicopter is being turned. Safe minimum turning radius is approximately 20 feet.

SECTION VIII

Additional Operations and Performance Data
Not Affected