CHAPTER 7 – PERFORMANCE

NOTE ALL ITEMS REMAIN AS IN BASIC OPERATOR’S MANUAL EXCEPT THE FOLLOWING:

HOVER CEILING
MAXIMUM TORQUE POWER AVAILABLE (30 MINUTE OPERATION)
324 Rotor/6600 Engine RPM

EXAMPLE

WANTED
GROSS WEIGHT TO HOVER

KNOWN
PRESSURE ALTITUDE = 12000 FEET
FAT = 10°C
SKID HEIGHT = 2 FEET

METHOD
ENTER PRESSURE ALTITUDE
MOVE RIGHT TO FAT
MOVE DOWN TO SKID HEIGHT
MOVE LEFT, READ GROSS WEIGHT
to hover = 9200 POUNDS

FIGURE 7.1-3 Hover Chart (Sheet 2 of 2)
CHAPTER 7 – PERFORMANCE

NOTE ALL ITEMS REMAIN AS IN BASIC OPERATOR’S MANUAL EXCEPT THE FOLLOWING:

HOVER CEILING
MAXIMUM TORQUE POWER AVAILABLE (30 MINUTE OPERATION)
UH-1H with T53-L-703 Engine and Metal Main Rotor Blades
OUT OF GROUND EFFECT - 324 ROTOR/6600 ENGINE RPM

FIGURE 7.2 Hover Ceiling Chart – Metal Blades
CHAPTER 7 – PERFORMANCE (CONT.)

HOVER CEILING
MAXIMUM TORQUE POWER AVAILABLE (30 MINUTE OPERATION)
UH-1H with T53-L-703 Engine and Composite Main Rotor Blades
OUT OF GROUND EFFECT - 324 ROTOR/6600 ENGINE RPM

GROSS WEIGHT - LB

PRESSURE ALTITUDE - FEET

MAXIMUM WEIGHT LIMIT (3500 Lb)

FIGURE 7.3 Hover Ceiling Chart – Composite Blades