

-3003 " "

GPS NAVSTAR

TECHNICAL DESCRIPTION OF SN-3003 "BAZALT" NAVIGATION SYSTEM

. . Vodianyh, V.Yu. Tymchuk, I.O. Kondratiuk, D.I. Zarudniev

SN-3003 "Bazalt" is one of highly technological military equipment of Armed Forces of Ukraine. SN-3003 "Bazalt" is a receiver of signals of GPS and GLONASS satellite radionavigational systems. In the paper the technical aspects of this equipment, its combat capabilities exploitation peculiarities aimed at modernization of this system to create the integrated navigational system are highlighted.

Keywords SN-3003 "Bazalt": tactical possibilities, technical descriptions, essence of work, component apparatuses, formulary of navigation receiver.

629. 1113. 01

. . . , . . .

" - ,

: 041 ,, "

1,5 .. 50% . 031 ,, "

: , , , ,

- 1/2 (Willys, MB, Ford GPW - 630 1941-1945 , 64-67 - 5,3 , , VW82 (Kuebelwagen) - 50 . . .);
- 3/4 (Dodge WC 56 -35,6 . . 1942-45 , Humber FWD - 6,5 . . , fch 901, Steyr 1500 -

[1].

1941-42

3

:

- 1,5 (- 1,5- MAN, MB, Steyr).

(1/2 , GP - " - " - , . . . (. 3).
 general purpose) 40-50 ,
 60-
 " 1942
 " .
 469
 - Land Rover
 Defender 90 110, - Mercedes-Benz G 290
 GDT (. 1).

(Willys-Jeep, . .)



. 1. Mercedes-Benz G 290 GDT



1,5 , 1985
 " -
 " (High Mobility
 Multipurpose Wheeled Vehicle) - HMMWV M998
 "Hummer". 12

. 3. 4

American Motors
 , 140 . ,
 31
 (. 2). 5

30
 25
 11 .
 LM (1996 .-). 1948 .



. 2. HMMWV M998 "Hummer"

200-300
 (4x4, 6x6, 8x8) 500-
 1000 75
 1,5 8
 VLRA (VLA (2-
).
 4 4 (-4.20 -),
 6 6 3,5-5,0
 6- Perkins

(. 6.354) 138-145 . . 4- 50- SOVAMAG
 6- , ,
 Land Rover
 Defender 2,6 , 3,1 3,6-3,8
 (90, 110 130,). Defender XD
 , 130 (.5) 1,4
 , 8-14 , 20
 , 7,62 , 50
 , 65%
 0,9 , 1600 , « » 1,5-3
 90-100 / . 5-
 (-) -12 - ACMAT TPK
 , , , 4 10
 20 (8) Mercedes-Benz
 , 290GD (Puch 290 GDT, G461),
 Steyr-Daimler-Puch,
 1982 .
 Auverland, Peugeot
 - (P4).
 , 750 , 2,3-2,6 , 500-
 1,1 . 120 . .
 IVECO 2,8 , 4- (2400, 2850,
 TC10DT 103 . . 3600 / , 5- 3400)
 137 / , 80%,
 3,0 , 130 / , 3,5 .
 100% (45), 900- 4
 1200 (.4). 1,9 2,1 (90-109 . .)



. 4. Auverland SOVAMAG TC10DT



5. Defender XD 130

290 GDT - Steyr-Survior G463 4,5-5
 205-300 Steyr Survior
 1,5 170 /
 45 (100%),
 Pinzgauer 4x4 6x6 3,9-4,9
 Hummer
 , Defender 290 GD :
 ;
 37x12,50R16,5 ;
 170 .. , 6,5 160-
 4-
 Umax<80
 HMMV 2,7
 1097 2 3,3-4,5
 113 / , 60%
 0,76 (1,52).
 1114 1116, (COHHV,
) Unimog i Pinzgauer.
 Hummer, GP Willys,
 " " Storm -240
 (Chrysler
 ' 4,0 180 ..
 Bucher-Guyer Desro 4x4

2,5- VM 118 ..
 850) A.I.L.
 Abir -462 (.6) ' 6,5
 Hummer (3-
 160 .. , 2-
). ,
 1600 , 10
 .



6. Abir -462

1998 Hummer.
 A.R.I.S.
 2 ..
 (3230 ,
 6- VM ' 3,75
 150 .. 4-
 " ")
 Bucher-Guyer.
 2,5 5,8 ..



7. LTV

LTV

1993
 3
 Allison
 Torsen:
 De Dion
 4
 1440
 45
 -110 /
 Wagenfabrik AG (MOWAG).
 3300 Hummer 30
 1097 2
 4-5 7,62
 330 MOWAG Eagle (. 8)



. 9. Vamtac

2009
 - Dong-Feng EQ2050 (.10),
 - Hummer 1097 2

Hummer
)



. 8. MOWAG Eagle



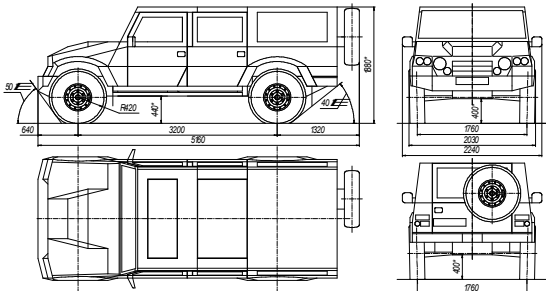
. 10. Dong-Feng EQ2050

1998
 Hummer
 Vamtac (.9)
 Uro.
 6- Steyr
 163 . . 4-5-
 ZF Allison
 1,5-2,0 Vamtac
 1,5 75%
 1,5
 Magnum
 Classic
 VAV,

041 ,, ”

Hammer
 , 1999
 “ ”
 “ -1,5”. (2004-2006
 2330 “ ” “ ”
 6-7
 , . . .
 , - . . .
 . 041 “ ”

. 11.



11. 041 ” ”

2000-2003 .

041,

(“ VECO- - ”, .)

(, 2,9 , 122 .),

24

100%

) 3

” , “ ” (“ . ”, “ ” (“ .)).

2003 ., 041

041

i i i (400),

(54)i

i ic

(45)

i

i: (2000),

(2450),

(45)

i , i ,

(1000).

.11.

:

;

;

;

,

;

5+3

10

(

);

;

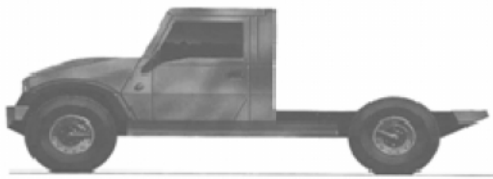
;

().

3

(. 12).

2



БАЗОВЕ ШАСІ

“ІВЕ ”

90

2,8



ВАНТАЖНИЙ АВТОМОБІЛЬ

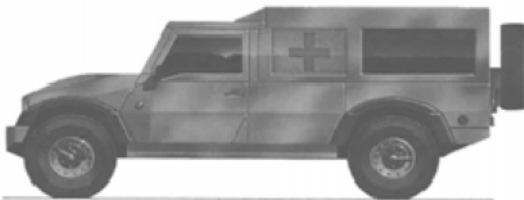
2826.5(4x4).



ВАНТАЖО-ПАСАЖИРСЬКИЙ
АВТОМОБІЛЬ



АВТОМОБІЛЬ КЕРУВАННЯ ТА ЗВ'ЯЗКУ



САНІТАРНИЙ АВТОМОБІЛЬ



АВТОМОБІЛЬ ДЛЯ ПЕРЕВЕЗЕННЯ
ОСОБОВОГО СКЛАДУ

. 12.

041

, - 160 , - 200 ,

140 60 3

140

041 “ ”
 ,
 ()
 20 / 10 .) .
 - - ,
 , , - ,
 , , ,
 , - 6-9 . , 2011 .
 (10,
) .
 , , ,
 , , ()
 , (100%) .
 , , 041 , (G290) , ,
 , , ,
 , 28 - “ ” ,
 , -60° . “ - ” ;
 24 . () .
 041 ()
 “ ” - ()
 “ ”) ()
 , 5 . .) . i
 , - i -
 (, , .
 , , .
 31) :
 - - ;

– i
 – “ ”,
 “ ” ”,
 – “ ”,
 – 28 / 3733 I.
 // “
 ”. – , 2005 . – 2. – . 33-39.

: 041 „ ”

1,5
 50%
 . 031 „ ”

MULTIPURPOSE HEAVY MILITARY JEEPS: PROJECT D041 „STEP”

L.V. Kraynyk, A.V. Voloshanskyy

A review and analysis of modern multipurpose heav ymilitary jeeps which make to 50% car park of modern armies is conducted. The project of domestic analogue is presented in this class – model 031 „ ” by the carrying capacity of 1,5 ton and its basic technical parameters.

Keywords: jeep, multipurpose, heavy, technical parameters.