



MINE COUNTERMEASURES HELICOPTER

MCH

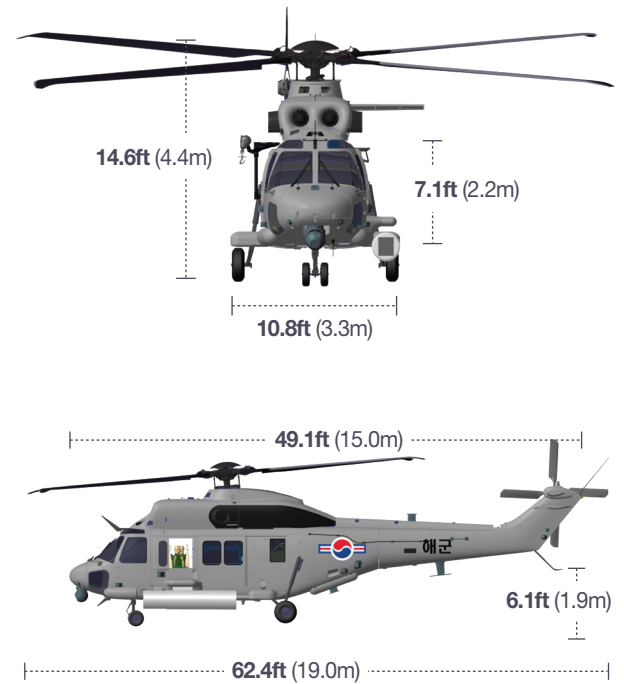
MCH MINE COUNTERMEASURES HELICOPTER

MCH is a medium class utility helicopter derived from MUH. It will be configured to be fully capable of naval mine countermeasure missions. In addition, thanks to its superior handling capabilities MCH will offer a broader scope of secondary missions allowing to add a wide array of additional naval combat support tasks to the current and future assets of the customer.

Key Features

- Full Digital Glass Cockpit
- GPS/INS/TACAN/Anti-Jamming
- 4-axis Automatic Flight Control System
- 1,800+ Shp Twin Turbo Shaft Engines with FADEC
- Protection against sea water corrosion
- RWR/LWR/MWR/CMDS
- Electro Optic and Infrared System (EO/IR)
- Advanced Mine Countermeasures System (ALMDS, AMNS, AUV)
- Integrated Mission Console for operating all Mine Countermeasure Systems

Dimensions



Mission Configuration



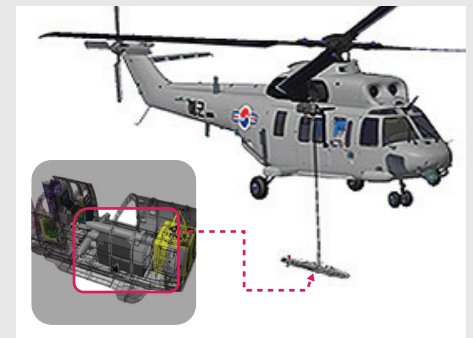
ALMDS

Airborne Laser Mine Detection System



AMNS

Airborne Mine Neutralization System



AUV

Autonomous Underwater Vehicle

Characteristics

Max Weight

19,200 lbs
(8.7t)

Max Cruise Speed

144 kts
(267km/h)

Max Range

387 nm
(717km, Internal Aux Fuel)

Rate of Climb

1,046 ft/min
(319m/min)

Max Operating Altitude

14,000 ft
(4,267m)

Max Endurance

3hr 51min
(Internal Aux Fuel)

Useful Load

8,000 lbs
(3.6t)

External Load

6,000 lbs
(2.7t)

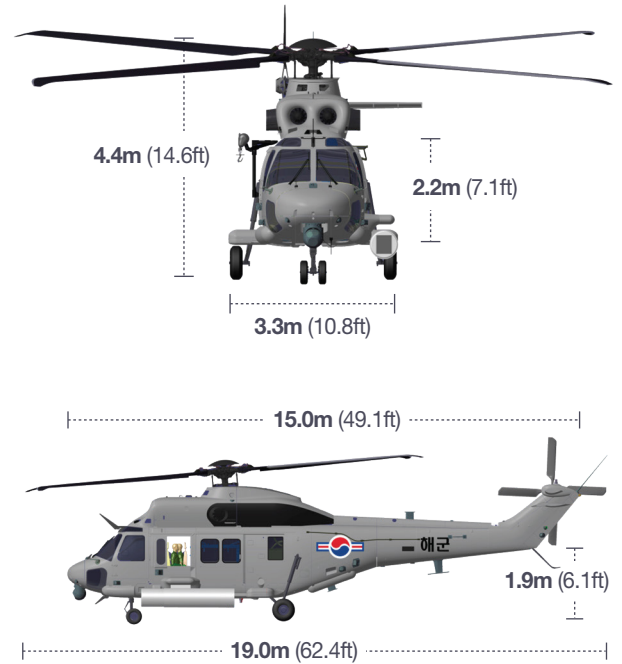
MCH MINE COUNTERMEASURES HELICOPTER

소해헬기(MCH)는 해상교통로와 항만을 보호하기 위해 안전하고 신속하게 기뢰탐색 및 제거 임무를 수행할 수 있는 중형급 헬기입니다. 상륙기동헬기의 우수한 기동력과 성능을 기반으로, 기뢰대항작전에 특화된 항공소해장비를 장착통합하여 대한민국 해군의 해상 작전능력을 크게 향상시킬 것입니다.

주요특징

- Full Digital Glass Cockpit
- GPS/INS/TACAN/항재밍 등 항법장비연동
- 최신 4축 자동비행조종시스템(AFCS)
- 1,800+ 마력급 쌍발엔진 장착
- 엔진/기체 내해수 처리에 의한 해상운용가능
- 최신 생존장비(RWR, LWR, MWR, 채프/플레어 발사기) 장착
- 전자광학/적외선감지(EO/IR) 카메라 장착
- 최신 소해 임무장비(ALMDS, AMNS, AUV) 장착
- 소해장비 통합운용콘솔을 통한 3종 임무장비 조작 및 통제가능

기본형상



임무형상



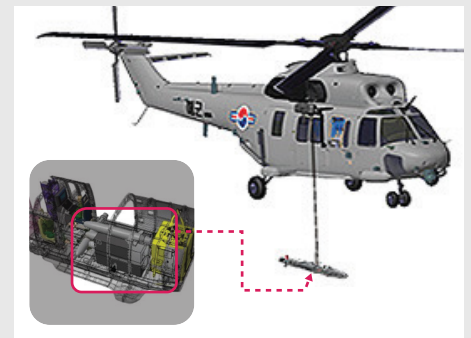
레이저기뢰탐색장비(ALMDS)

Airborne Laser Mine Detection System



무인기뢰처리장비(AMNS)

Airborne Mine Detection System



수중자율기뢰탐색체(AUV)

Autonomous Underwater Vehicle

주요제원

최대이륙중량

8.7 t
(19,200lbs)

최대순항속도

267 km/h
(144kts)

최대항속거리

717 km
(387nm, 내부보조연료 포함)

수직상승률

319 m/min
(1,046ft/min)

최대운용고도

4,267 m
(14,000ft)

최대체공시간

3hr 51min
(내부보조연료 포함)

유용하중

3.6 t
(8,000lbs)

외부인양

2.7 t
(6,000lbs)