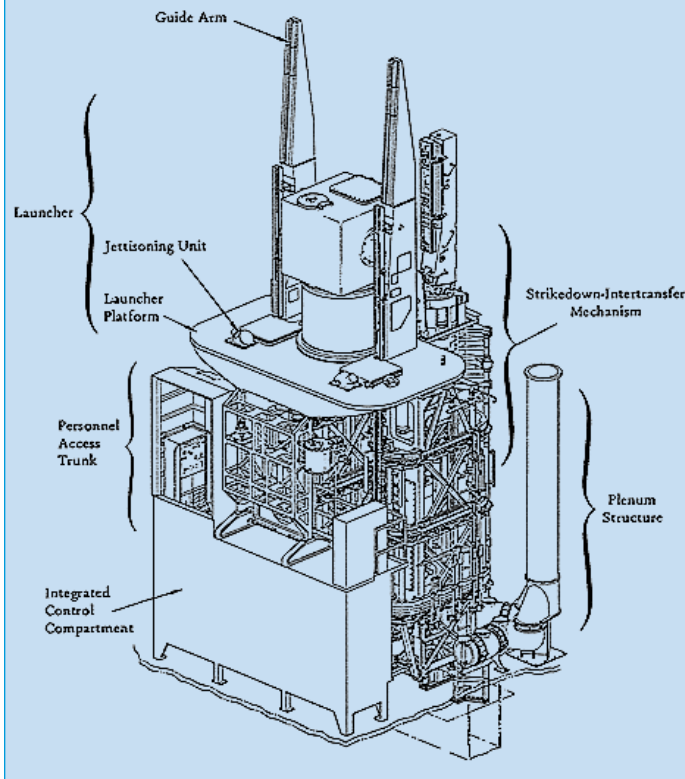


# Mk 26 Guided Missile Launching System (GMLS)



## System Weight

(Approximately dry weight, without missiles)

Mod 0	77,184 kg (170,158 lb)
Mod 1	217,978 kg (98,875 lb)
Mod 2	265,798 kg (120,566 lb)

## System Interface

TARTAR D, ASROC, or AEGIS Fire Control System

## Power Requirements

Main power (from ships supply)	440-vac 60-Hz 3-phase
Peak running load — continuous	fire with no ships in motion
Peak ready alert mode	740 amps, 495 kw
	201 amps, 106 kw

<b>Water Injection System</b>	757 liter (800 gal/min)
	accumulator at 14.06 kg/cm <sup>2</sup> , gage (200 psig)
	fresh water backed up by 5.97/kg/cm <sup>2</sup> , gage (85 psig)
	at 28.56 liter/sec (450 gpm) sea water

## Sprinkling Systems (Sea Water)

Mod 0	50.5 liter/sec (800 gal/min)	at 4.9 kg/cm <sup>2</sup> , gage (70 psig)
Mod 1	75.7 liter/sec (1,200 gal/min)	at 4.9 kg/cm <sup>2</sup> , gage (70 psig)
Mod 2	95.9 liter/sec (1,520 gal/min)	at 4.9 kg/cm <sup>2</sup> , gage (70 psig)

## Circulated Air in Guide Arms

(Dew point of -40°F [-40°C] at 1 atm)	1888 cm <sup>3</sup> /sec (4 ft <sup>3</sup> /min)
	at 703.1 kg/cm <sup>2</sup> , gage (10 psig)

## Air Conditioning

Personnel spaces	75°F ± 5°F (23.9°F ± 2.8°F)	at 60% relative humidity
Magazine	80°F ± 10°F (26.7°F ± 5.6°F)	at 55% relative humidity

## Magazine Data

Ready service complement	
Mod 0	24 weapons
Mod 1	44 weapons
Mod 2	64 weapons
Complement can include any mix of STANDARD MR, ASROC, and potential growth weapons	
Potential growth weapons	
Weight	997.9 kg (2,200 lb)
Maximum length	508.00 cm (200.00 in)
Maximum diameter	37.465 cm (14.750 in)

## Strikedown Data

Interface	
AAW	TERRIER-TARTAR Dolly Mk 6
ASW	Missile Container Mk 183 and Handlift Truck Mk 42 and/or Mk 45
Rate from Mk 6 Dolly or Mk 183 container and hand trucks	3 minutes per missile (exclusive of missile preparation and mechanism setup time)

## Train and Elevation Data

	Train	Elevation
Limits (preset)	Unlimited	-10°, +90° (+15° over-travel on each limit)
Velocity 90°/sec	50°/sec	
Acceleration	180°/sec <sup>2</sup>	100°/sec <sup>2</sup>
Synchronizing time	0.99 to 3.47 sec, depending on velocity, direction, and offset of signal (includes 0.25-sec time delay required to obtain synchronism)	

## Signals

	Train	Elevation
Stationary	2.0	2.0
Dynamic		
5°/sec	4.0	4.0
15°/sec	7.0	7.0
30°/sec	10.0	10.0
45°/sec	15.0	15.0
75°/sec	25.0	—
Harmonic motion (amplitude — period)		
15°- 9.0 sec	6.0	5.0
30°- 9.0 sec	12.0	10.0
5°- 4.5 sec	9.0	9.0
15°- 4.5 sec	25.0	25.0
30°- 4.5 sec	50.0	50.0
40°- 7.34 sec	20.0	—
80°- 7.34 sec	40.0	—

**Signal Input** . . . . . Digital (from Fire Control); interface module converts to continuous function for 1X and 32X synchros and dc rate network

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