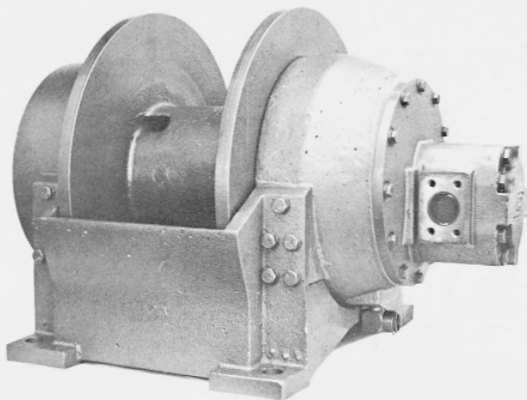


Ryan  Click Here To Visit
Hydraulic Service, Inc.

M25

PLANETARY, HYDRAULIC WINCH



**EQUAL SPEED
EEDS TAND**



MASTER 

THE LOGICAL ALTERNATIVE

MODEL

M25 PLANETARY HYDRAULIC WINCH

DESCRIPTION

The **PULLMASTER** Model M25 is a high performance, high efficiency planetary winch having equal speed in forward and reverse rotation. The automatic, multi-disc brake of this unit is effective in one direction only and achieves an exceptionally smooth lowering control of the maximum load in a stepless operation. The **PULLMASTER** Model M25 planetary winch is powered by a hydraulic gear motor and the required reduction ratio of 40.8:1 is established by two planetary stages. The hydraulic motor drives into the planetary reductions. When forward rotation is stopped an over-running clutch between the brake assembly and the motor drive will lock and the multi-disc brake will safely hold the maximum load. The multi-disc brake is spring applied - pressure released. When the hydraulic motor is powered for reverse or lowering the brake is released automatically and is then modulated for the desired lowering speed by a single control lever. A counter-balance valve is not required for dynamic braking. All moving parts of the **PULLMASTER** Model M25 planetary hydraulic winch are totally enclosed and run in an oil bath, assuring long, trouble free service with a minimum requirement for maintenance.

Options: Special drum sizes, hydraulic piston motors, controlled free fall, emergency free fall, external brake release, hydraulic freespool. For other optional requirements contact the factory.

PERFORMANCE

- Maximum operating volume = 115 (US) gpm (435 l/min)
- Drum rpm at maximum volume in both directions = 49 N/m)
- Maximum operating pressure = 2500 psi (172 bar)
- Drum torque at maximum pressure = 135937 lb-in (15359 Nm)

MODEL NUMBER	BARE DRUM		MEAN DRUM		FULL DRUM	
	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED
M25-7-86-1	25000 lb	140 fpm	21315 lb	169 fpm	17630 lb	198 fpm
	111.2 kN	43 m/min	94.8 kN	51 m/min	78.4 kN	60 m/min
M25-7-86-2 M25-7-86-3 M25-7-86-4	25000 lb	140 fpm	18411 lb	217 fpm	11821 lb	295 fpm
	111.2 kN	43 m/min	81.9 kN	66 m/min	52.6 kN	90 m/min

The volumetric requirements for the **PULLMASTER** Model M25 planetary winch are recommended maximums and should not be exceeded. When the **PULLMASTER** Model M25 planetary winch is installed in existing hydraulic circuits with a lesser volume and/or lower pressure, the performance will change accordingly.

Performance graphs for line speed vs. oil volume and line pull vs. pressure are available on request.

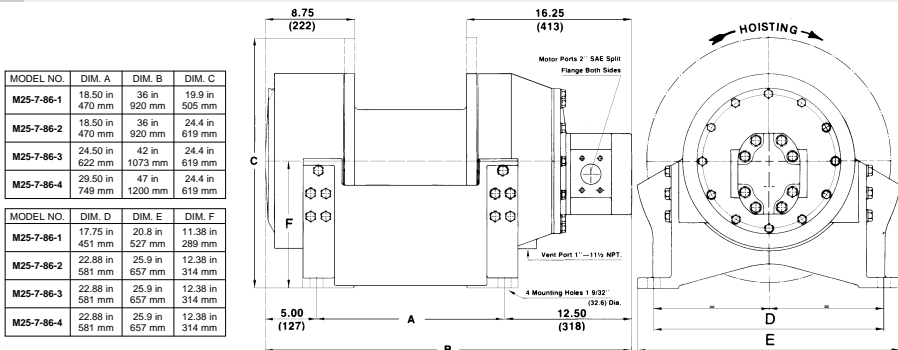
CABLE STORAGE

DRUM CABLE STORAGE CAPACITY FOR WIRE ROPE

MODEL NUMBER	DRUM SIZE			WIRE ROPE DIAMETER							
	BARREL	FLANGE	LENGTH	7/16 in	1/2 in	9/16 in	5/8 in	3/4 in	7/8 in	1 in	
M25-7-86-1	10 in 254 mm	17 in 432 mm	11 in 279 mm	612 ft 186 m	486 ft 148 m	383 ft 117 m	297 ft 90 m	210 ft 64 m	140 ft 43 m	91 ft 28 m	
	10 in 254 mm	24 in 610 mm	11 in 279 mm	1520 ft 463 m	1210 ft 369 m	950 ft 289 m	728 ft 222 m	515 ft 157 m	398 ft 121 m	264 ft 80 m	
M25-7-86-3	10 in 254 mm	24 in 610 mm	17 in 432 mm	2349 ft 716 m	1869 ft 570 m	1467 ft 447 m	1125 ft 343 m	796 ft 243 m	615 ft 188 m	408 ft 124 m	
	10 in 254 mm	24 in 610 mm	22 in 559 mm	3039 ft 926 m	2419 ft 737 m	1899 ft 579 m	1456 ft 444 m	1031 ft 314 m	796 ft 243 m	528 ft 161 m	

Different Drum Sizes will be made available for quantity repeat orders.

DIMENSIONS



PULLMASTER planetary winches are covered by a liberal warranty. Parts and repair service are available from authorized **PULLMASTER** distributors throughout Canada, the United States and most overseas areas.

IMPORTANT

PULLMASTER planetary winches are neither designed nor intended for installation on equipment used in lifting or moving of personnel.

DISTRIBUTOR

