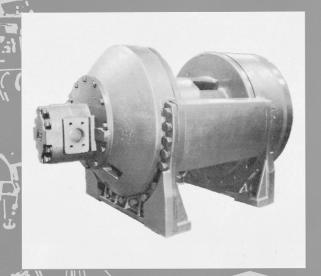
M50

PLANETARY, HYDRAULIC WINCH



UAL SPEED

Apull

MASTER

THE LOGICAL CHOICE

MODEL

PLANETARY HYDRAULIC WINCH

The PULLMASTER Model M50 is a high performance, high efficiency, planetary hydraulic winch having equal speed in both 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 Totalon. The automatic, multi-assorbated of its first set less than 1 as the selection of the properties an exceptionally smooth rowering control of the required reduction ratio of 116:1 is established by three planetary reduction stages. In forward rotation (hoisting) the hydraulic motor drives direct into planetary reductions at each stage of the properties of the pro brake is released automatically and is then modulated for the desired lowering speed by a single control lever. A counter-balance valve or brake valve is not required for dynamic braking. All moving parts of the **PULLMASTER** Model M50 planetary winch are totally enclosed and run in an oil bath, assuring long, trouble free service with a minimum requirement for maintenance.

• SPECIAL DRUM SIZE • FREESPOOLING • EXTERNAL BRAKE RELEASE • HYDRAULIC PISTON MOTORS • DRUM GROOVING

· Maximum operating pressure = 2500 psi (172 bar) Maximum operating volume = 115 (US) gpm (435 l/min)

• Drum rpm at maximum volume in both directions = 17.4 • Drum torque at maximum pressure = 381250 lb-in (43075 Nm)

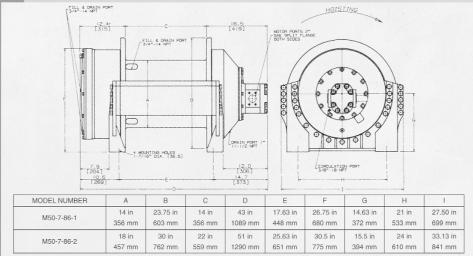
	MODEL NUMBER	BARE DRUM		MEAN DRUM (THEORETICAL)	FULL DRUM		
		LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	LINE PULL	LINE SPEED	
	M50-7-86-1	50000 lb 222.4 kN	69 fpm 21 m/min	42533 lb 189.1 kN	84 fpm 26 m/min	35065 lb 155.9 kN	99 fpm 30 m/min	
	M50-7-86-2	39610 lb 176.2 kN	88 fpm 27 m/min	33465 lb 148.9 kN	107 fpm 33 m/min	27320 lb 121.5 kN	127 fpm 39 m/min	

volumetric requirement for the PULLMASTER Model M50 is the recommended maximum and should not be exceeded. When the PULLMASTER Model M50 is installed in existing hydraulic circuits with a lesser volume or lower pressure, the performance will change. Performance graphs for line speed vs. oil volume and line pull vs. hydraulic pressure are available upon request.

DRUM CABLE STORAGE CAPACITY FOR WIRE ROPE

MODEL NUMBER	DRUM SIZE			WIRE ROPE DIAMETER*						
MODEL NUMBER	BARREL	FLANGE	LENGTH	9/16 in	5/8 in	3/4 in	7/8 in	1 in	1 1/8 in	1 1/4 ir
M50-7-86-1	14 in	23.75 in	14 in	854 ft	691 ft	519 ft	375 ft	276 ft	195 ft	177 ft
	356 mm	603 mm	356 mm	260 m	211 m	158 m	114 m	84 m	59 m	54 m
M50-7-86-2	18 in	30 in	22 in	2309 ft	1725 ft	1341 ft	860 ft	654 ft	605 ft	440 ft
	457 mm	762 mm	559 mm	704 m	526 m	409 m	262 m	199 m	184 m	134 n

* Standard cable anchor is suitable for 3/4 - 1 1/2 inch diameter wire rope. For safety, 3 - 4 wraps of wire rope must be maintained at all times.



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.

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

Other PULLMASTER winch models are available in capacities from 1000 lb to 50000 lb (4.4 kN to 222.4 kN) line pull.

For more information write to:

PULLMASTER WINCH CORPORATION 8247 - 130 STREET, SURREY, B.C. CANADA V3W7X4

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