

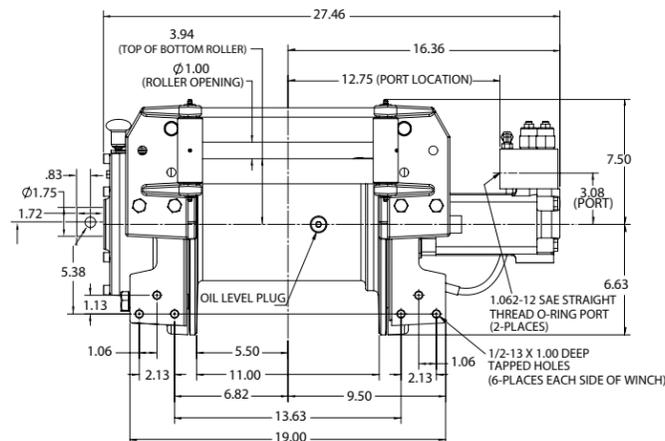
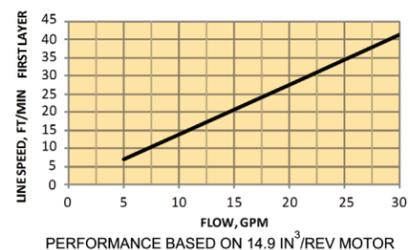
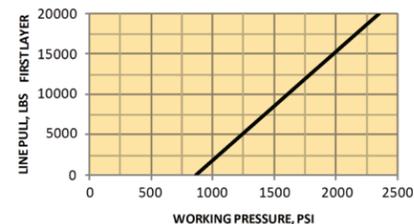
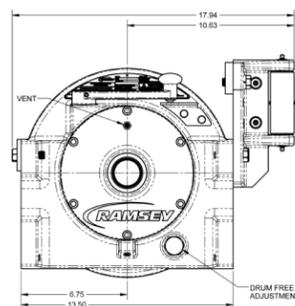
# POWERMMASTER SERIES

By **RAMSEY**

## The New 20K Planetary Winch From The Experts in Winching.

New POWERMMASTER 20K planetary winch offers a compact design with reliable pulling power, pull after pull.

- New 20,000 SAE J706 high efficiency multi-stage planetary winch
- Internal braking system-spring applied hydraulic release
- Low profile envelope for compact installation saves weight and space
- Winch assembly fits current bumper for easier service or upgrades
- Larger drum flanges capable of holding 220 ft. of 9/16" wire rope, SAE J706
- Extended shaft operates 3.5 times faster than base drum speed
- Optional air shift with integrated cylinder for easy clutch operation



SPECIFICATIONS					
Rated Line Pull (lbs.)	20,000				
(Kg.)	9070				
Gear Reduction	21:1				
Weight (without cable)	337 lbs.				
Max Flow	30 GPM				
Working Pressure	2350 PSI				
LAYER OF CABLE	1	2	3	4	5
* Rated line pull per layer	lbs. 20,000	17,300	15,200	13,600	12,300
	Kg. 9,070	7,840	6,890	6,160	5,570
* Cable Capacity per Layer					
20K Winch	ft. 30	70	115	165	220
	m 9	21	35	20	67
* Line Speed (at 30 GPM)	FPM 40	45	51	56	62
	MPM 12.1	13.6	15.5	17	18.8
* These specifications are based on recommended wire rope of 9/16" (14mm) dia., or EIPS cable and a 14.9 cu.in./Rev. motor.					

### POWERMMASTER Capstan Drive

- Pulling capacity: 4,000 lb and 6,000 lb
- Standard AT&T output shaft
- Flange or Foot Mount standard for mounting flexibility
- High efficiency planetary gear design for dependable service
- High torque motor with dual counterbalance valves for smooth operation



### POWERMMASTER Capstan Head

- 7" Bayonet style
- High strength aluminum casting
- Standard AT&T J-Slot



**WARNING:** Winches and capstans are not to be used to lift, support or otherwise transport personnel. A minimum of five (5) wraps of cable around the drum is necessary to support the rated load. Cable clamp is not designed to hold the load.

From the Experts in Winching / 1600 N Garnett Rd, Tulsa, OK 74116 / 1-800-777-2760 / POWERMMASTER@ramsey.com

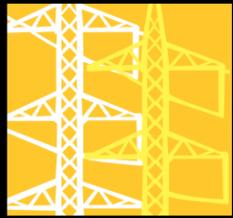
# POWERMMASTER SERIES

By **RAMSEY**

## POWERMMASTER Bumper and Winch Combo is Better By Design.



POWERMMASTER Utility Bumper  
POWERMMASTER Winch 20,000 lb Planetary  
POWERMMASTER Capstan Drives 4,000 lb & 6,000 lb  
POWERMMASTER Capstan Head - 7" Bayonet



# A Better Design Makes POWERMASTER a Better Utility Bumper.

## POWERMASTER 20K Winch and Utility Bumper Assembly

New POWERMASTER Winch and Utility Bumper Assembly offers the ultimate design in utility bumper winch assemblies. US manufactured in our own facility from the highest quality galvaneal steel each bumper is precision welded for added strength. Welded seams and top plates eliminate the possibility for loose bolted connection while keeping the bumper better balanced. The POWERMASTER's lighter weight and compact design allows for more work load while being easier on the suspension. At the center of the POWERMASTER 20K Utility Bumper Assembly is the all new 20,000 lb. hydraulic planetary winch from the experts in industrial winching – Ramsey Winch.



Extra large access door for easy winch operation. Door support and lip seal for maximum strength and less noise.



Lockable piston controlled doors for security and easy access.

### POWERMASTER is better by design.

- Lighter weight - both bumper shell and winch weigh less offering increased payload.
- Styling - Modern contour design to compliment overall vehicle appearance.
- Bold Construction - Thicker side walls for welding and options. Under door retainer guides cable during winch operation. Three (3) Heavy duty tow eyes integral to design.
- Corrosion protection - Galvaneal steel for superior rust protection.
- Rugged - Durable spray-on bed liner for appearance and stable work surfaces.
- Security - Locking latches on bumper compartment access doors provide added security for needed tools and winch.
- Convenience - Flush mounted piston controlled access doors to prevent grill damage and accidental closure. Bumper mounting system designed for a variety of trucks.



High capacity AT&T extension shaft

Strong and durable Galvaneal for corrosion protection

Rugged non-skid surface (optional)

New POWERMASTER 20K planetary winch

Recessed hinges for flush work surface prevents doors from damaging vehicle grills

Weather-tight spacious tool box

### POWERMASTER Utility Bumper Dimensions

