

PULLMASTER M12 Freefall Hydraulic Winch



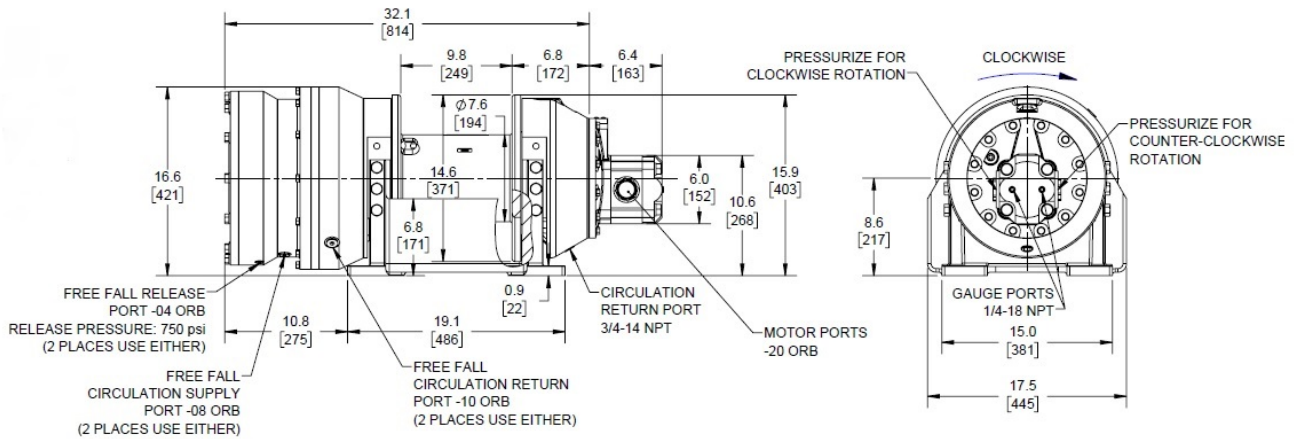
Unique Piling Freefall Planetary Hydraulic Winch

PullMASTER®

FEATURES INCLUDE

- *1,600kg / 15.7KN hammer weight lifting capacity*
- *High velocity release of load*
- *Long service life*
- *Can be used for raising and lowering a load when FREEFALL is not activated*
- *Automatic multi – disc brake*
- *Controlled free fall uses 1/3 of the winch capacity to control the rate of decent, bringing load to a smooth stop at any point*
- *Built to operate in marine environment*





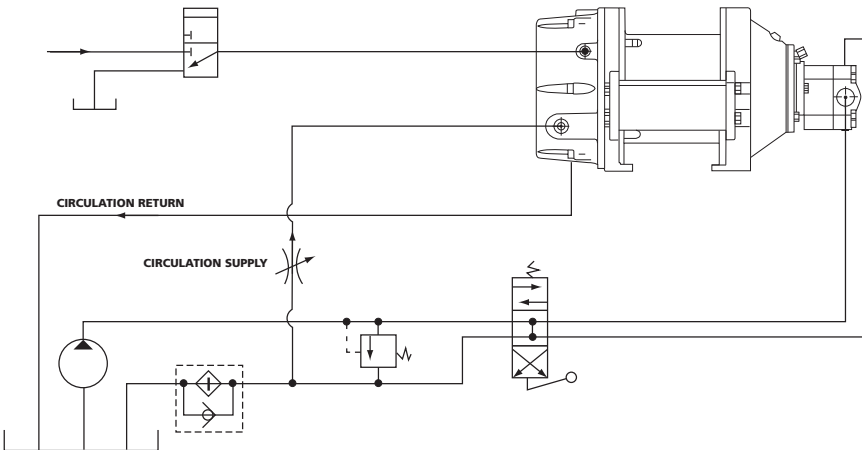
ROTATION COUNTERCLOCKWISE WHEN LIFTING
(VIEWED FROM MOTOR END)

PERFORMANCE								
MODEL	HYDRAULIC REQUIREMENTS		BARE DRUM		MEAN DRUM		FULL DRUM	
NUMBER	FLOW Lt/min	PRESSURE Bar	LIFTING CAPACITY KN	LINE SPEED m/min	LIFTING CAPACITY KN	LINE SPEED m/min	LIFTING CAPACITY KN	LINE SPEED m/min
PM-M12 FREEFALL	189	152	53.4	33	42.8	43	31.8	54

MAXIMUM RECOMMENDED HAMMER WEIGHT
15.7KN

CABLE STORAGE m				
WIRE ROPE DIA 16mm by Layer				
1	2	3	4	5
11	23	36	52	69

TYPICAL HYDRAULIC CIRCUIT



NORMAL OPERATION

The winch is set to permanent lift mode. When the hammer reaches required height above pile it is released using manual or electric control valve. Maximum operating pressure 145 Bar. Freefall clutch release 55-62 Bar.

TYPICAL HYDRAULIC CIRCUIT

SHOWING HYDRAULIC FLOW

- 189 Lt/min to winch motor (max.)
- 6.0 Lt/min cooling oil to free fall clutch
- 3.0 Lt/min to release clutch

Total weight (Wire rope not included) 404kg

NOTES

These winches must not be used for the movement of personnel and 5 wraps of wire rope must be maintained on the drum.

Data shown is approximate and intended as a guide only.

WARRANTY

Each new winch is guaranteed against defects in workmanship and material defects for a period of twelve months from date of purchase.

Wire ropes are not included under warranty.

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