

# AMCON 625

## AIR-CONTROLLED HOIST

### DRUM DIMENSIONS

Flange Diameter ..... 67" (1702 mm)  
 Drum Diameter ..... 25.5" ( 648 mm)  
 Drum Length ..... 48" (1219 mm)

### SPOOLING CAPACITY

1 3/8" Wire Rope ..... 6578' (2005 M)  
 1 1/2" Wire Rope ..... 5752' (1753 M)  
 1 5/8" Wire Rope ..... 4363' (1330 M)  
 1 3/4" Wire Rope ..... 4189' (1277 M)  
 2" Wire Rope ..... 3129' ( 954 M)

### BRAKES

Each drum is equipped with a single external-contracting band-type brake. The brake is air-actuated, spring release and is complete with a spring-set override/parking brake feature. Static Holding Power First Layer Service or parking ..... 245,000 lbs. (111 MT)

### CLUTCH

Each drum is equipped with a single internal-expanding band-type clutch. The clutch is air-actuated.

### MAXIMUM SIZE WIRE ROPE

For Anchoring Service ..... 2" Wire Rope

### DRUM DOG

Each drum is equipped with an air-actuated drum dog.

### WEIGHTS (with standard diesel power)

Double-drum ..... 54,900 lbs. (30.25 MT)

### CONTROL CONSOLE

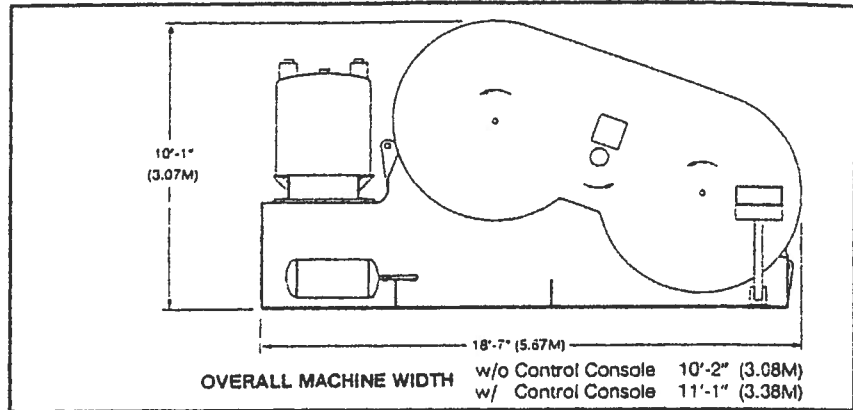
Side mounted stand-up type (Shown) ..... Standard  
 Swing-around, seated ..... Optional  
 Forward facing, seated with cab ..... Optional

### PAINT

Winch frame, guards and all sheet metal work are sandblasted and coated with inorganic zinc, with finish coats of high-gloss polyurethane marine paint.

### WINCH HEAD (Optional)

An 18-inch winch head can be mounted on the extended drive shaft. This extension is on the gear guard side of the winch.



### OPTIONS

The 625 can be ordered with a variety of engines, transmissions, control arrangements, and electric or hydraulic drives.

Deck guide sheaves and fairleaders can also be furnished to fit your needs.

### MOORING PERFORMANCE DATA

Theoretical single-drum line pull in pounds and line speed in feet per minute with a Detroit Diesel Model 6V-71 electric-starting diesel engine, driving through a Twin Disc Model TAC 33-1314 transmission with torque converter, using 1 3/4" wire rope. (For hoisting applications, please request hoist capacity charts.)

	12th Layer (60.19" P.D.)		6th Layer (42.22" P.D.)		1st Layer (27.25" P.D.)	
	SLP (pounds)	@ SLS (feet/minute)	SLP (pounds)	@ SLS (feet/minute)	SLP (pounds)	@ SLS (feet/minute)
<b>High 70%</b>						
High	8,112	@ 653	11,565	@ 462	17,919	@ 298
Second	18,172	@ 294	25,907	@ 206	40,138	@ 133
Low	32,450	@ 165	46,262	@ 115	71,676	@ 74
<b>Max. Eff.</b>						
High	10,675	@ 456	15,219	@ 320	23,580	@ 207
Second	23,913	@ 204	34,090	@ 143	52,818	@ 92
Low	42,701	@ 114	60,876	@ 80	94,318	@ 52
<b>Low 70%</b>						
High	15,784	@ 237	22,502	@ 166	34,863	@ 107
Second	35,355	@ 106	50,404	@ 74	78,093	@ 48
Low	63,135	@ 59	90,006	@ 42	139,452	@ 27
<b>Stall</b>						
High	24,457		36,292		56,229	
Second	57,023		81,293		125,953	
Low	101,827		145,167		224,915	

Corporate Headquarters: 1602 Engineers Road, Belle Chasse, LA 70037

Tel. 504-394-7330, Fax 504-393-8715

3036 Yadkin Road  
 Chesapeake, VA 23323  
 Tel. 757-485-5010  
 Fax 757-485-0856

4744 W. 135th St.  
 Crestwood, IL 60445  
 Tel. 708-597-7766  
 Fax 708-597-7956

548 So. Coy St.  
 Kansas City, KS 66105  
 Tel. 913-371-3930  
 Fax 913-371-7356

11618 Hawn Freeway  
 Dallas, TX 75253  
 Tel. 972-286-8926  
 Fax 972-286-4928