



Black Bear Corp
7688 Carnegie Ave
Fontana, CA 92336
 Tel: 909-390-0380 Fax: 909-390-0270
www.blackbearusa.com

Distributor:

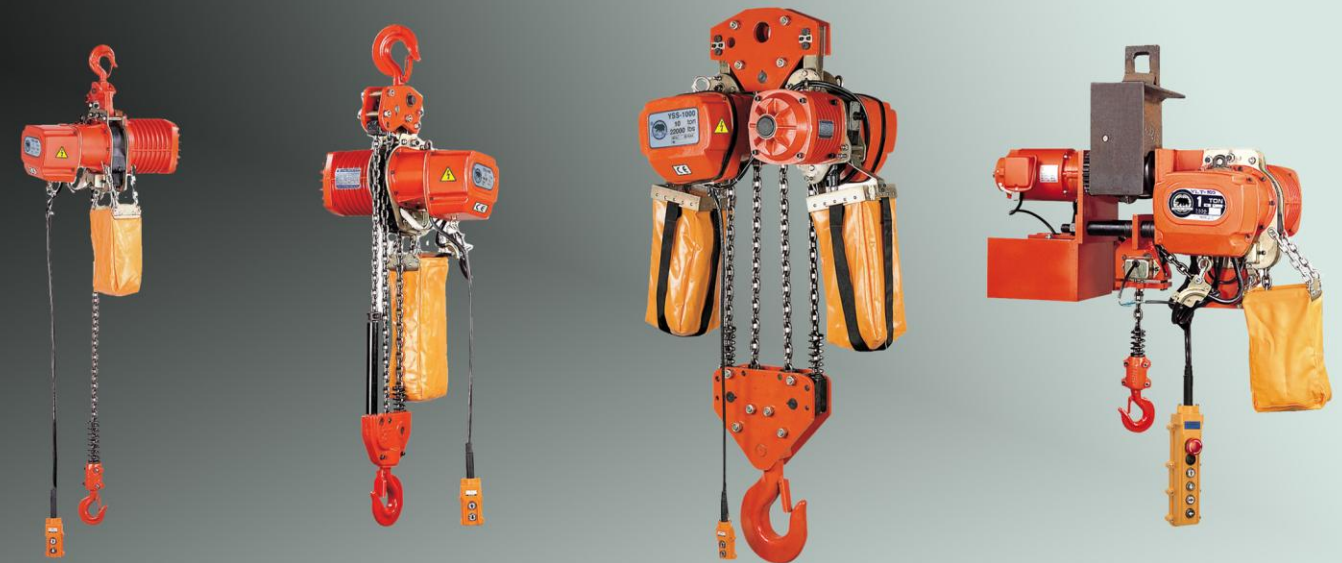


- Revision of July, 2012
- Due to the printing factors, the color of the products is subject to minor deviation from the physical objects

BLACK BEAR HOIST

www.blackbearusa.com

2012 Electric Chain Hoist Catalog



"Black Bear" Electric Chain Hoist (Hook Suspension Type)

MOTOR HOUSING

- Aluminum alloy casting, features rigid structure and light weight.
- Totally enclosed construction, withstands harsh conditions such as chemical and electro-plating environments etc.

MOTOR BRAKE

- "Electro-Magnetic Brake Controller" - a unique design in its field, R.O.C. Patent No. 27417 features simultaneous braking upon release of P.B. even under full load.

LIMIT SWITCH

- Fitted at both top and bottom ends, shuts off power automatically to prevent load chain from running out.

LOAD CHAIN

- Grade 80 case hardened alloy steel chain, endures harsh conditions such as rain, salt water and chemicals.

HOOK

- Hot forged high tensile steel, rigid and durable, 360° swivel, fitting with safety latch to assure safe lifting.

* For special applications, please contact our company representative or authorized distributor.

HOIST BRACKET

- Double high-tensile alloy steel plate bracket, features rugged and durable construction.

MECHANICAL BRAKE

- Advanced design, assures secure braking even under overload. In conjunction with motor brake, features "DOUBLE BRAKE SYSTEM" for safety and durability in hoist operation.

TRANSFORMER

- Power to pendant control reduced to 115V for safer operation.

MAGNETIC CONTACTOR

- High performance non-fuse circuit breakers allow frequent trouble cycling with free operation.

PHASE ERROR RELAY

- A specially designed electric board prevents motor from running at it reverse phased.

PUSH BUTTON PENDANT

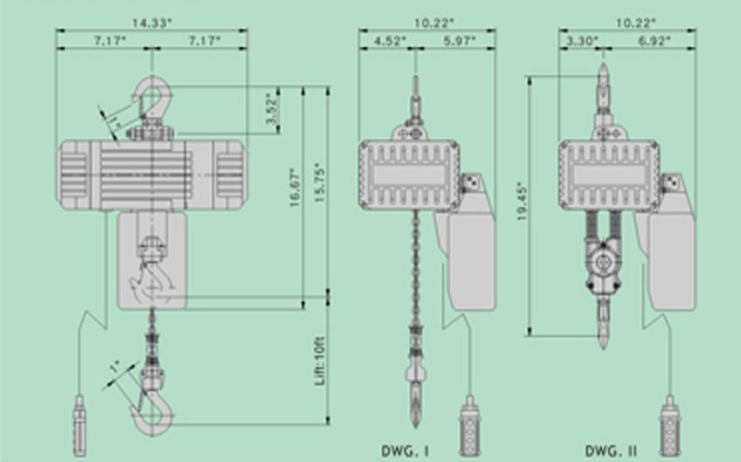
- Fully water-proof and insulated, offers light weight and durability.
- Standard drop is 3FT less than lift

Dual Speed-Single Phase Electric Chain Hoist

FEATURES:

- Available as 120V-240V in either 50Hz/60Hz.
- Standard IP54 motor with F insulation and overload protection.
- Variable Frequency Control, low starting current, high efficiency.
- Standard pendant station cord is 3FT less than the lift.
- Clutch serves as overload limit, as well as upper/lower limit switch.
- Light weight design and easy to carry. Hoist weighs only 36 lbs with its own carrying case.

DIMENSIONS



▲ Hoist packed in convenient molded carrying case with built-in handle.

BLFD Model 1 Phase 100 ~ 120V, 200~240V 60 Hz/50Hz											
Model (Dual - Speed - Type)	Capacity (Lbs)	(HP)	Time Rating (Min)	Max. Start (times/hr)	Rated Current (Amp)	Lifting Speed (ft/min)		Standard Lift (ft)	Load Chain Diameter	N.W./G.W.	
						110V	220V			10 ft	20 ft
BLFD-012	175	0.4	15	180	6.0 (110V)	0~15.7/59	0~15.7/59	10	4x12	36/43	39/46
					3.0 (220V)	0~10.5/41	0~10.5/41				
BLFD-024	500	0.8	15	180	10.0 (110V)	0~15.7/59	0~15.7/59	10	4x12	36/43	39/46
					5.0 (220V)	0~10.5/36.7	0~10.5/41				
BLFD-048	1000	0.8	15	180	10.0 (110V)	0~7.8/29.5	0~7.8/29.5	10	4x12	43/49	47/54
					5.0 (220V)	0~5.2/18.3	0~5.2/20.5				

Packing (L x W x H): P 20 x 15 x 8 (in)

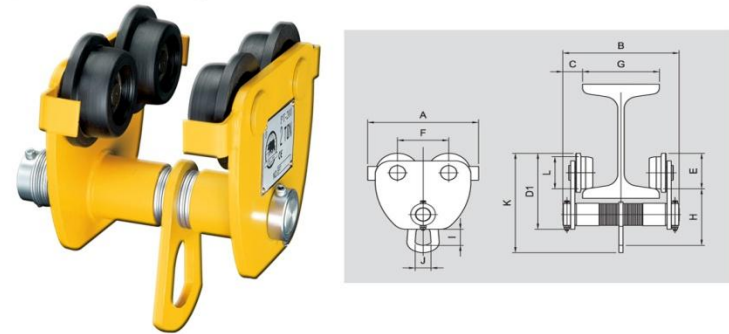
BLFD Model Push Button Pendant:

- 2-Button + ES Type: Up and Down
- Standard 2 speed control, with infinitely variable low speed using adjustable knob on pushbutton.



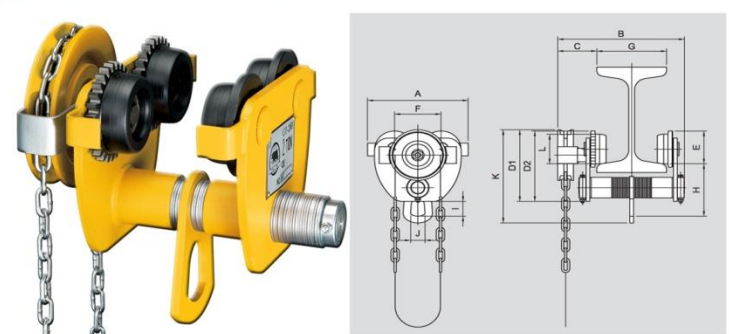
TROLLEY

PLAIN TROLLEY



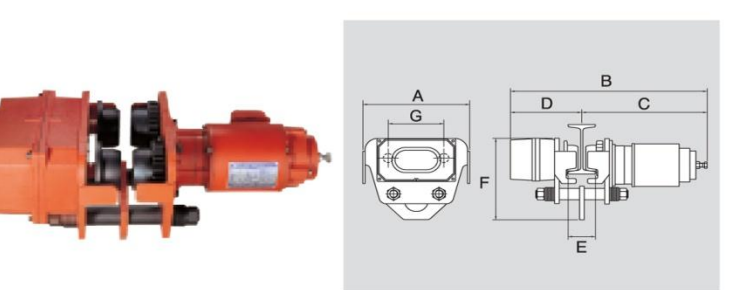
Dimensions (in) PT															
Capacity (lbs)	Model	A	B	C	D ₁	E	F	H	I	J	K	L	Flange Width G	N.W. (lbs)	Min radius of curve (ft)
1100	PT-050	7.7	8.7	1.4	6.0	2.8	3.5	4.6	1.3	1.1	7.8	2.4	2-6	14.1	3.28
2200	PT-100	8.6	9.0	1.6	6.6	3.1	4.0	4.9	1.4	1.3	8.6	2.8	3-6	23.4	3.28
4400	PT-200	9.8	10.3	1.7	8.2	3.6	4.6	6.8	2.2	2.2	11.2	3.2	4-7	37.0	4.27
6600	PT-300	10.7	11.9	2.0	9.4	4.1	5.2	8.5	3.2	2.4	13.9	3.6	4-8	56.9	4.92
11000	PT-500	12.3	12.0	2.1	9.9	4.6	5.6	8.6	3.3	2.4	14.6	4.0	5-8	71.9	5.25
16500	PT-750	14.5	13.5	2.9	11.5	5.4	7.3	10.3	4.1	3.0	17.2	4.8	6-8	131.2	7.22
22000	PT-1000	15.7	13.8	3.0	12.7	6.0	7.8	10.9	4.2	3.0	18.4	5.6	6-8	179.5	7.22

GEARED TROLLEY



Dimensions (in) GT																
Capacity (lbs)	Model	A	B	C	D ₁	D ₂	E	F	H	I	J	K	L	Flange Width G	N.W. (lbs)	Min radius of curve (ft)
1100	GT-050	7.7	10.5	3.2	6.0	6.0	2.8	3.5	4.6	1.3	1.1	7.8	2.4	2-6	19.4	3.28
2200	GT-100	8.6	10.8	3.4	6.7	6.6	3.1	4.0	4.9	1.4	1.3	8.7	2.8	3-6	29.8	3.28
4400	GT-200	9.8	12.2	3.7	8.9	8.2	3.6	4.6	6.8	2.2	2.2	11.9	3.2	4-7	43.7	4.27
6600	GT-300	10.7	13.7	3.8	9.5	9.4	4.1	5.2	8.5	3.2	2.4	14.0	3.6	4-8	66.8	4.92
11000	GT-500	12.3	13.8	3.9	9.3	9.9	4.6	5.6	8.6	3.3	2.4	14.6	4.0	5-8	81.6	5.25
16500	GT-750	14.5	15.2	4.4	11.1	11.5	5.4	7.3	10.3	4.1	3.0	17.2	4.8	6-8	141.1	7.22
22000	GT-1000	15.7	15.4	4.5	11.9	12.7	6.0	7.8	10.9	4.2	3.0	18.4	5.6	6-8	189.6	7.22

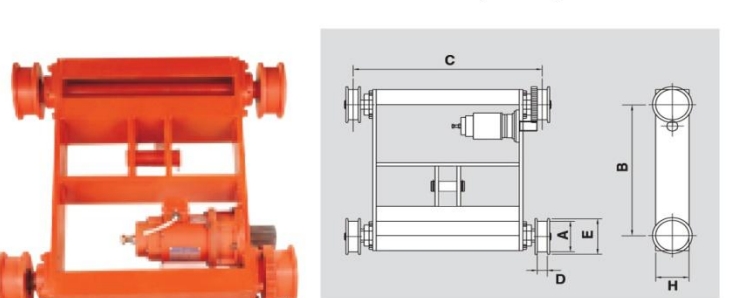
MONORAIL MOTORIZED TROLLEY



Dimensions / Specifications (in) MT														
Capacity (lbs)	Model	A	B	C	D	F	G	Flange Width E	Speed (ft/min)	Motor (HP)	Pole (P)	Min radius of curve (ft)	N.W. (lbs)	
									60HZ					
2200	MT-100	11.7	21.3	13.6	7.8	9.7	5.9	3-5	79 / 52	0.3 / 0.2	4 / 6	4.27	88	
	MTD-100								79 / 26					
4400	MT-200	12.8	22.4	14.1	8.3	10.2	22.1	4-6	79 / 52	0.3 / 0.2	4 / 6	4.92	99	
	MTD-200								79 / 26					
6600	MT-300	14.2	26.1	16.5	9.7	11.7	6.8	5-7	79 / 52	0.8 / 0.5	4 / 6	5.90	143	
	MTD-300								79 / 26					
11000	MT-500	15.4	26.5	16.7	9.9	12.6	7.2	5-7	79 / 52	0.8 / 0.5	4 / 6	6.56	196	
	MTD-500								79 / 26					
16500	MT-750	17.9	29.0	18.4	10.7	20.9	9.0	6-8	52	1.2	6	9.84	342	
	MTD-750								52 / 26					
22000	MT-1000	22.1	32.4	21.7	10.7	22.3	11.0	6-8	56	2	6	11.48	481	
	MTD-1000								56 / 28					
33000	MT-1500	27.3	34.6	23.2	11.4	20.9	13.9	7.5	39	2	6	-	772	
	MTD-1500								39 / 20					
44000	MT-2000	34.8	40.4	28.4	12.1	23.8	17.3	8	49	2.95	4	-	1268	
	MTD-2000								49 / 16					

Dual speed (MTD-100~500) models available at standard speeds of 79/26 (4P/12P). Optional single speed 60 Hz motors available at speeds of 52fpm (6P), 40fpm (8P), and 26fpm (12P).

MOTOR SADDLE TROLLEY (MST)



Dimensions / Specifications (in) MT														
Capacity (lbs)	Model	Speed (ft/min)	A	B	C	D	E	H	Motor (HP)	Pole (P)	N.W. (lbs)			
		60HZ												
2200	MST-100	62	4.8	22.9	27.6	1.6	5.8	4.82	0.3	4	207			
	MSTD-100	62 / 21							0.3/0.1	4 / 12				
4400	MST-200	62	4.8	22.9	27.6	1.6	5.8	4.82	0.3	4	207			
	MSTD-200	62 / 21							0.3/0.1	4 / 12				
6600	MST-300	72	5.9	25.6	33.5	1.8	7.0	6.1	0.8	6	401			
	MSTD-300	72 / 36							0.8/0.4	6 / 12				
11000	MST-500	72	5.9	25.6	33.5	1.8	7.0	6.1	0.8	6	401			
	MSTD-500	72 / 36							0.8/0.4	6 / 12				
16500	MST-750	75	6.3	31.5	39.4	2.0	7.4	8.86	1.2	4	675			
	MSTD-750	75 / 25							1.2/0.4	4 / 12				
22000	MST-1000	66	8.5	35.5	47.3	2.0	9.7	12.89	1.2-2pcs	4	1111			
	MSTD-1000	66 / 22							1.2/0.4-2pcs	4 / 12				

MST-100
MST-200
MST-1000

60HZ with pinion of M3.5x12T

MST-750

60HZ with pinion of M3.5x20T

MST-300
MST-500

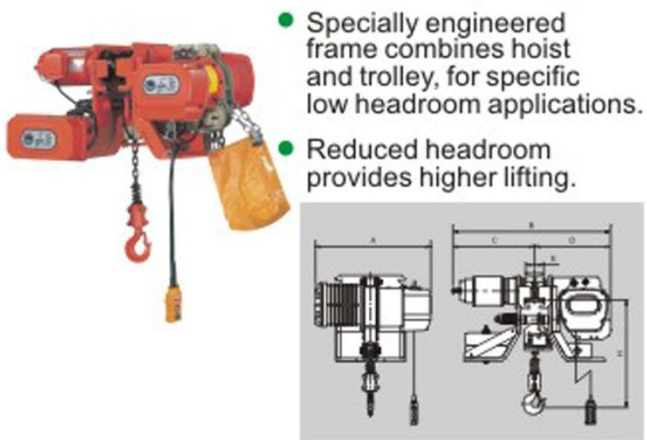
60HZ with pinion of M3.5x15T

PUSH BUTTON PENDANT STATION:

- (1). 2-Button + ES Type: Up and Down.
- (2). 4-Button + ES Type: Up and Down; Left and Right (Trolley).
- (3). 6-Button + ES Type: Up and Down; Left and Right (Trolley); Forward and Reverse (End Carrier)

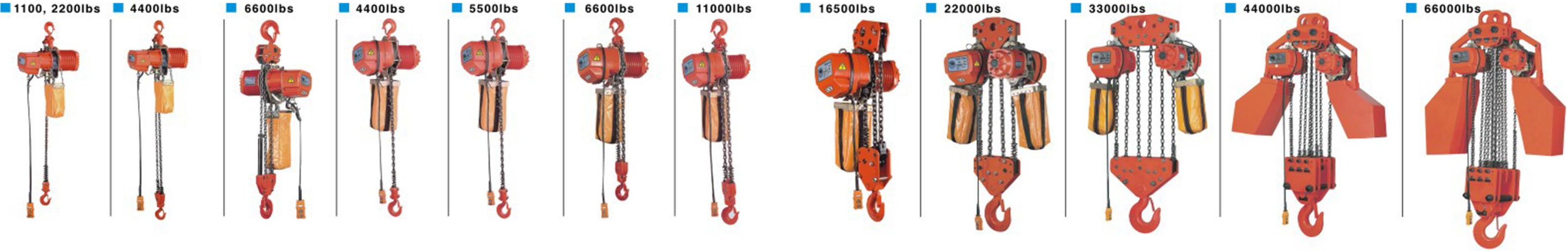


FEATURES OF YLT/YHT/YST SERIES:



- Specially engineered frame combines hoist and trolley, for specific low headroom applications.
- Reduced headroom provides higher lifting.

Model	Capacity (lbs)	Dimensions (in)						Lift Speed (ft/min)	Trolley Speed (ft/min)	Flange Width (in)
		H	A	B	C	D	E	60Hz	60Hz	
YLT-050	1100	16.8	19.9	27.3	14.2	13.1	4.0	26	79.52	3-5
YLT-050			21.5						26/9	
YLT-100	2200	16.8	19.9	27.3	14.2	13.1	4.0	18	79.52	3-5
YLT-100			21.5						18/6	
YLT-200	4400	19.2	19.9	28.3	14.8	13.5	5.0	9	79.52	4-6
YLT-200			21.5						9/3	
YLT-300	6600	23.4	19.9	30.8	16.5	14.3	5.0	6	79.52	5-7
YLT-300			21.5						6/2	
YHT-100	2200	16.8	19.9	27.3	14.2	13.1	4.0	26	79.52	3-5
YHT-100			21.5						26/9	
YHT-200	4400	19.2	19.9	28.3	14.8	13.5	5.0	13	79.52	4-6
YHT-200			21.5						13/4	
YHT-300	6600	23.4	19.9	30.8	16.5	14.3	5.0	9	79.52	5-7
YHT-300			21.5						9/3	
YST-200	4400	27.7	25.2	36.5	16.7	19.8	5.0	26	79.52	5-7
YST-200			25.5						26/9	
YST-250	5500	28.5	25.2	36.5	16.7	19.8	5.0	21	79.52	5-7
YST-250			25.5						21/7	
YST-300	6600	30.2	25.2	36.5	16.7	19.8	5.0	17	79.52	5-7
YST-300			25.5						17/6	
YST-500	11000	31.7	25.2	36.5	16.7	19.8	5.0	11	79.52	5-7
YST-500			25.5						11/3	



■ FEATURES OF “Black Bear” HOISTS:

- Automatic motor brake system provides instant braking upon power failure or release of push button.
 - Dual brake system assures safer operation.
 - Limit switches prevent over travel of load hook.
 - Chain container.
- Advanced phase error relay prevents motor from energizing if incorrectly connected.
 - Emergency stop button-standard.
 - Electronic overload protection.
 - Quick-change pendant using metal plug-for easy connection.

■ SPECIFICATIONS:

Capacity (Lbs)		1100	2200	4400	1100	2200	4400	1100	2200	4400	6600	4400	6600	11000	16500	22000	33000	44000	6000	
Lift height (ft)		10, 15, 20 FT etc																		
Load Chain (mm)		Ø7.1 mm										Ø10 mm		Ø11.2 mm						
Single Speed (ft/min)	60 Hz	YSF	22	15	8	26	18	9												
		YSL							26	18	9	6								
		YSH							36	26	13	9								
		YSS											26	17	11	7	11	7	5	4
Dual Speed (ft/min)		YSLD							26/9	18/6	9/3	6/2								
		YSHD							36/12	26/9	13/4	9/3								
		YSSD											26/9	17/16	11/3	7/2	11/3	7/2	5/2	4/1
Motor Power (HP)		2.4										5.0			5.0x2		6.7x2			
Power Supply		Single Phase 110V, 115V			Single Phase 220V, 230V			3 Phase 220V - 600V			3 Phase 220V - 600V									
E.D. Rating (%)		15						40												
Chain Drop		1	2	1	2	1	2	3	1	2	3	4	6	8	12					
N.W./G.W. (lbs)		121/129	142/148	121/129	142/148	111/117	134/141	161/212	276/342	309/375	337/403	430/507	904/1036	1124/1279	1962/2183	2282/2502				
Packing LxWxH (in)		24x22x13					24x22x13			24x20x20	29x22x20			29x28x28	34x31x30	55x33x38	67x41x66	69x43x73		

■ SPECIFICATIONS:

Capacity (lbs)	Model	Dimensions (in)																			
		H		A				B				C	D	E	F	I	J	K	L	M	N
1100	YSL, H, F-050	22.5	E21.7	19.9	F21.6	LD21.6	HD21.6	9.7	F11.4	LD11.4	HD11.4	10.3	9.5	4.6	5.0	1.6	1.1	1.6	1.1	1.0	1.0
2200	YSL, H, F-100	22.5	E21.7	19.9	F21.6	LD21.6	HD21.6	9.7	F11.4	LD11.4	HD11.4	10.3	9.5	4.6	5.5	1.6	1.1	1.6	1.1	1.0	1.0
4400	YSL, H, F-200	27.6	E26.2	19.9	F21.6	LD21.6	HD21.6	9.7	F11.4	LD11.4	HD11.4	10.3	9.5	6.9	2.6	1.9	1.5	1.9	1.5	1.3	1.3
6600	YSL, H-300	34.7		19.9		LD21.6	HD21.6	9.7		LD11.4	HD11.4	10.3	11.1	6.9	4.2	2.1	1.7	2.1	1.7	1.4	1.4
4400	YSS-200	32.9		25.2			SD25.6	12.9			SD13.3	12.4	17.7	11.0	6.7	2.1	1.7	2.1	1.7	1.4	1.4
6600	YSS-300	37.8		25.2			SD25.6	12.9			SD13.3	12.4	17.7	13.4	4.3	2.1	1.7	2.1	1.7	1.4	1.4
11000	YSS-500	40.6		25.2			SD25.6	12.9			SD13.3	12.4	17.7	14.1	3.7	2.5	1.8	2.5	1.8	1.8	1.8
16500	YSS-750	41.4		25.2			SD25.6	12.9			SD13.3	12.4	23.2	15.3	7.9	2.9	2.3	3.0	2.3	3.3	1.9
22000	YSS-1000	50.0		25.2			SD25.6	12.9			SD13.3	12.4	38.2	19.1	19.1	2.9	2.7	4.0	2.7	3.7	2.4
33000	YSS-1500	53.8		25.2			SD25.6	12.9			SD13.3	12.4	53.6	26.8	26.8	3.2	3.6	4.8	3.6	6.7	3.4
44000	YSS-2000	76.7		34.1			SD34.1	17.1			SD17.1	17.1	58.0	29.0	29.0	3.3	3.8	5.6	3.8	6.5	3.8
66000	YSS-3000	78.7		36.4			SD36.4	18.2			SD18.2	18.2	58.0	29.0	29.0	3.7	3.8	5.6	3.8	8.7	3.8

■ DIMENSIONS OF HOOK SUSPENSION TYPE HOIST:

