



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

Distributor:



- Revision of May, 2011
- Due to the printing factors, the color of the products is subject to minor deviation from the physical objects



BLACK BEAR CORP



Electric
Wire Rope Hoist





Black Bear



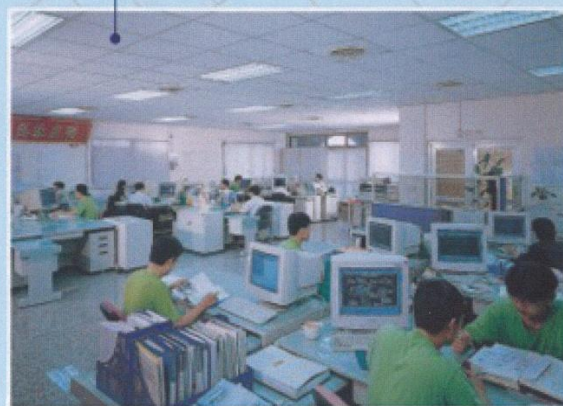
• MCH-500/OM Horizontal Machining Center

• TKS GT 800A-3-D Scanning Probe
For Highly Accurate Measurements

• Wire Rope Hoist Load Test Platform
• All Hoist Must Pass 125% Load Test
Prior To Shipment

• Welding Robot

• R & D Department



1.INSPECTION and TESTIING EQUIPMENT :

- »Precise scanning measurements GT 800A 3D scanning probe.
- »Universal testing machine.
- »USK6 ultrasonic tester.
- »NV-30 vector scope tip dynamic balancing machine.
- »AVT-LE vibration meter.
- »Hardness tester model No.3R.
- »HT-2000 hardness tester.

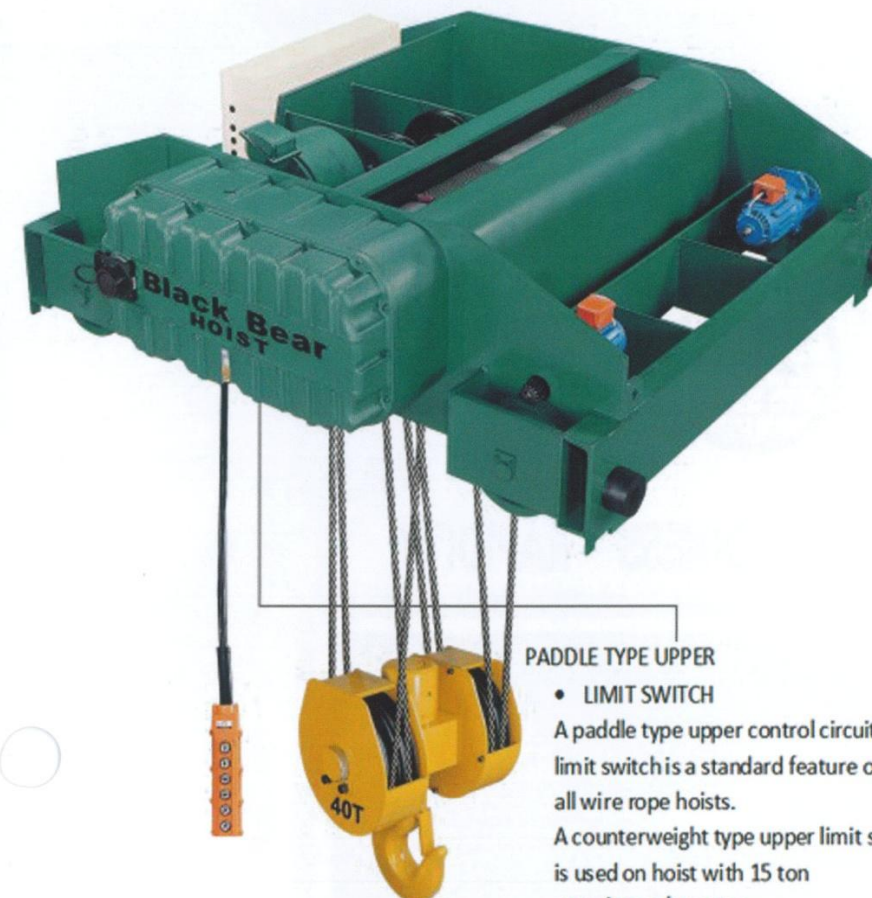
2.FABRICATING EQUIPMENT :

- »Feer flow C/V system.
- »MCV-1350 Vertical machiningf center.
- »Gear shaping machine.
- »SK6 welding robot.
- »MCH-500 / OM Horizontal machining center.
- »CNC lathe machine.
- »KH-80 CNC horizontal machining center.
- »CM502 horizontal milling machining.



TOP RUNNING TROLLEY HOIST

Black Bear



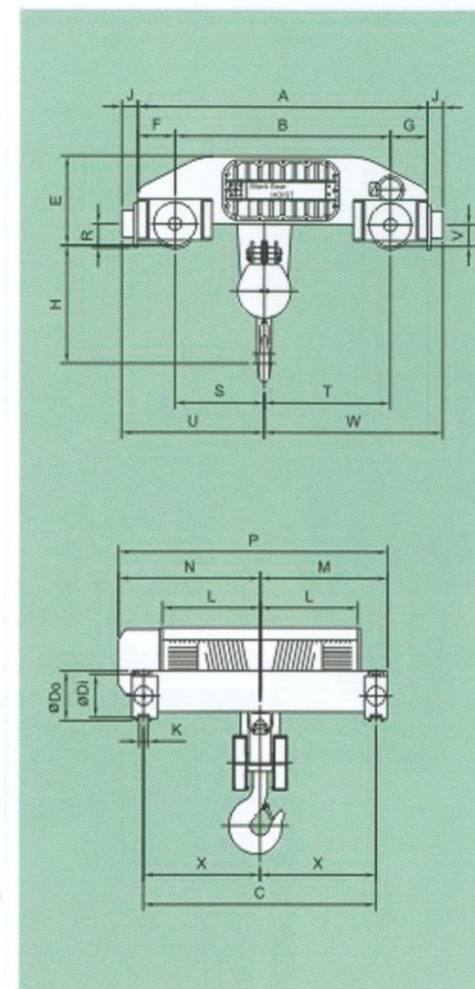
PADDLE TYPE UPPER

• LIMIT SWITCH

A paddle type upper control circuit limit switch is a standard feature on all wire rope hoists.

A counterweight type upper limit switch is used on hoist with 15 ton capacity and greater.

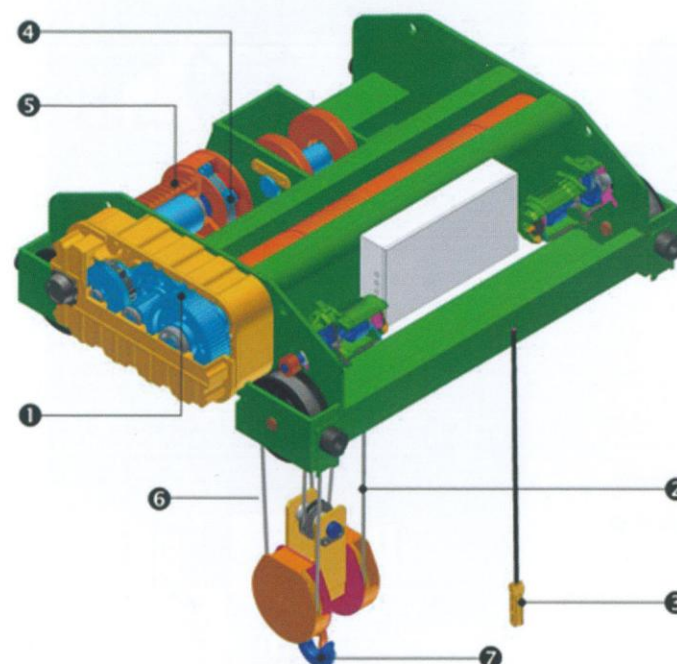
- Geared upper and lower limit switch available as an option.



Approximate Dimension(in)																		Appro. weight (lbs)	
E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	X	(S)	(D)	
31.6	10.0	10.0	50.6	3.0	3.2	40.4	51.3	59.3	110.6	10.4	27.2	39.3	40.2	7.9	52.3	45.3	12360		
						40.4	51.3	59.3	110.6							45.3	12360		
						46.3	57.2	65.2	122.4							51.2	13430		
31.6	10.0	10.0	59.0	3.0	3.2	40.4	51.3	59.3	110.6	10.4	22.1	44.4	35.1	7.9	57.4	45.3	12810		
						50.2	61.1	69.2	130.3							55.1	13880		
						58.1	69.0	77.0	146.0							63.0	14750		
7	12.0	12.0	69.7	3.2	3.2	50.2	61.1	68.2	129.3	12.4	27.8	42.7	43.0	9.9	57.9	55.1	14240	14390	
						58.1	69.0	76.1	145.1							63.0	15110	15260	
						68.3	79.2	86.3	165.5							73.3	15980	16130	



ELECTRIC WIRE ROPE HOIST



- 1. MECHANICAL LOAD BRAKE**
The advanced design of the mechanical load brake provides braking without hook drift, independent of the motor brake.
- 2. WIRE ROPE**
High strength 19x7 IWSC (195kg/mm²)
- 3. PUSH BUTTON STATION**
(USA) IP-65 Push Button Station is light weight and durable
- 4. MOTOR BRAKE**
Our DC Brake provides instant braking and is designed for long life.
- 5. MOTOR**
Hoist duty motors are made of heavy cast iron that provide maximum cooling even under the toughest operating conditions. The class F motor insulation (single speed) are rated for H4 service. Other insulation classes and thermal ratings are available upon request.
- 6. LIFT**
True vertical lift standard on low headroom hoists.
- 7. HOOK**
Our high strength forged steel hook comes equipped with a safety latch and a thrust bearing which enables the hook to swivel 360 degrees.

SU SERIES SPECIFICATIONS & DIMENSIONS

Model	Capacity	Lift (ft)	Hoisting			Traversing			Wire Rope	Reeving Type					
			Speed (ft/min)	Motor HP	Motor RPM	Speed (ft/min)	Motor HPx2	Motor RPM			A	B	C	øDi	øDo
			60HZ			60HZ									
SUGI-3000	30 ton	20	13.2	40	1800	59	3	1800	ø20	3PD	86.5	66.5	90.6	15.8	17.5
SUGID-3000	66000 lbs	30	13.2/4.4	40/13.4	1800/600	59/20	3/0.9	1800/600					90.6		
		40											102.4		
SUGJ-4000	40 ton	30	9.9	40	1800	59	3	1800	ø20	4PD	86.5	66.5	90.6	15.8	17.5
SUGJD-4000	88000 lbs	40	9.9/3.3	40/13.4	1800/600	59/20	3/0.9	1800/600					110.2		
		50											126.0		
SUGK-5000	50 ton	30	7.9	40	1800	59	3	1800	ø20	5PD	94.5	70.5	110.2	19.7	21.3
SUGKD-5000	110000 lbs	40	7.9/2.6	40/13.4	1800/600	59/20	3/0.9	1800/600					126.0		
		50											146.5		

* Dimensions included control panel

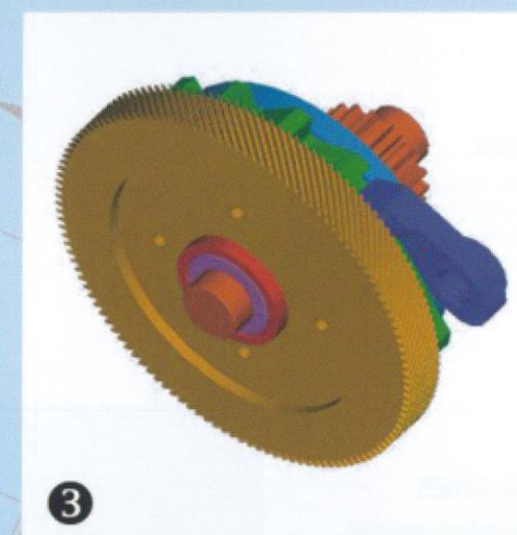
Black Bear



1



2



3



4

1 DC BRAKE

- » Wear resistant for long life.
- » Whisper quiet with instant action.
- » Integral design makes replacement a snap.

2 HEAVY DUTY MOTOR

- » Available with fan cooled design for heavy duty applications.

3 MECHANICAL LOAD BRAKE

4 MOTOR BRAKE ASSEMBLY



Black Bear



TRAVERSE WHEEL

- The trolley wheels are made with AISI 1045 carbon steel to BRH 380-420
- All wheels equipped with double sealed, lifetime lubricated ball bearings with L10 rating of 10,000 hours.

CONTROL BOX

- The control box IP-42. (Stainless Steel material as option) IP-56 available as an optional item.

OPTIONAL

- Geared upper/lower (control circuit) limit switch is available in a two contract arrangement, NEMA 1 enclosure.



TROLLEY WHEEL

The trolley wheels are made from AISI 1045 carbon steel, surface hardened to 380-420 brinell. Compound tread design allows usage on both ASI or wide flange beams. Equipped with life time lubricated bearings.



OPTIONAL ENCODER

This double C-face encoder is mounted directly to the totally enclosed motor brake assembly. If desired, the encoder can also be mounted on the gear case cover.

DC BRAKE

The DC brake operates quietly and provides long life under normal operation (in excess of 3 million actuations). If desired, the earlier model AC brake is available for commonality of parts.

DRUM

The drum is made of ASTM A283M carbon steel and machined in accordance with CMAA 70 - 4.6.



TOP RUNNING TROLLEY HOIST

Black Bear

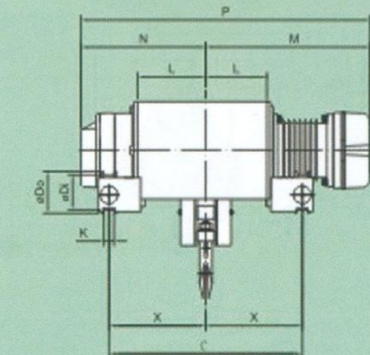
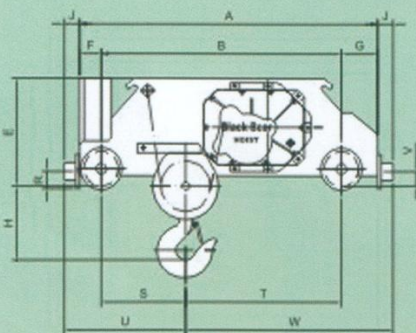


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A paddle type upper control circuit limit switch is a standard feature on all wire rope hoists. A counterweight type upper limit switch is used on hoist with 15 ton capacity and greater.

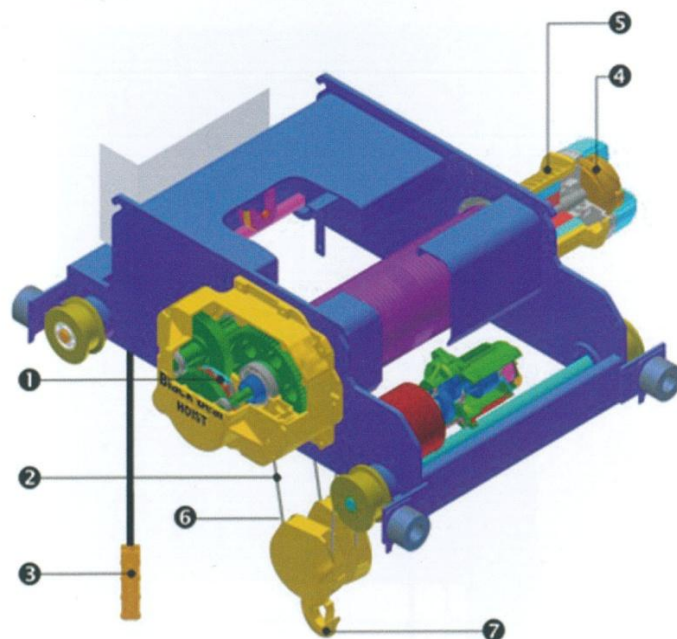
- Geared upper and lower limit switch available as an option.



Approximate Dimension(in)																					Appro. Weight (lbs)		
øDi	øDo	E	F	G	H	J	K	L	M		N	P		R	S	T	U	V	W	X	(S) (D)		
									(S)	(D)		(S)	(D)								(S)	(D)	
4.7	5.8	15.0	5.1	4.7	9.1	2.5	1.6	12.7	28.2	29.8	19.4	47.6	49.2	2.0	13.7	19.7	20.9	2.35	27.3	16.75	1026		
								16.8	32.4	34.0		23.5	55.9							57.5	19.70	1158	
								21.0	36.5	38.1		27.7	64.2							65.8	23.60	1290	
5.9	7.0	17.5	4.5	6.3	10.5	2.6	1.8	13.0	30.5	33.8	23.6	54.1	57.4	3.0	15.4	22.4	22.6	2.95	31.2	16.75	1471		
								17.0	34.5	37.8		27.5	62.0							65.3	22.65	1563	
								19.9	37.5	40.8		30.5	68.0							71.3	22.65	1653	
5.9	7.0	17.5	4.5	6.3	11.8	2.6	1.8	13.0	30.3	33.8	23.6	53.9	57.4	3.0	15.4	22.4	22.6	2.95	31.2	16.75	1596		
								17.0	34.2	37.8		27.5	61.7							65.3	22.65	1686	
								19.9	37.2	40.8		30.5	67.7							71.3	22.65	1776	
6.3	7.7	23.6	5.5	6.3	15.2	3.4	2.4	14.1	35.0	35.1	27.8	62.8	62.9	3.2	20.3	30.9	29.2	3.15	40.6	22.65	2800	3024	
								18.0	38.9	39.0		31.8	70.7							70.8	22.65	2965	3176
								21.9	42.9	43.0		35.7	78.6							78.7	25.60	3050	3251
6.3	7.7	23.6	5.5	6.3	18.8	3.4	2.4	14.1	35.0	37.5	27.8	62.8	65.3	3.2	19.9	31.3	28.8	3.15	41.0	22.65	3194	3415	
								18.0	38.9	41.4		31.8	70.7							73.2	22.65	3415	3634
								21.9	42.9	45.4		35.7	78.6							81.1	25.60	3634	3965
7.9	8.9	26.8	7.9	6.9	34.7	2.9	2.4	17.8	39.0	41.3	31.7	70.7	73.0	3.9	20.6	34.7	31.3	3.94	44.5	22.65	4070	4180	
								21.8	43.0	45.3		35.6	78.6							80.9	26.6	4110	4230
								26.1	47.3	49.6		39.9	87.2							89.5	30.5	4290	4400
7.9	8.9	26.8	8.5	6.8	42.0	3.4	2.4	21.0	42.2	44.5	34.9	77.1	79.4	3.9	23.2	35.1	35.0	3.94	45.4	25.6	5560	5680	
								26.8	48.0	50.3		40.6	88.6							90.9	31.5	5960	6080
								32.7	53.9	56.2		46.5	100.4							102.7	37.4	6360	6480
11.8	13.2	30.3	9.1	9.0	43.4	3.5	2.7	29.4	53.3	55.7	43.1	96.4	98.8	5.9	21.2	38.8	33.7	6.1	51.3	33.5	6330	6450	
								37.9	61.8	64.1		51.6	113.3							115.7	43.3	7070	7190
								46.4	70.3	72.6		60.1	130.3							132.7	51.2	7670	7790
11.8	13.2	31.0	9.0	9.0	61.0	2.4	2.76	29.6	50.8	53.1	43.4	94.2	96.5	5.9	17.4	43.6	28.7	5.91	55.0	34.4	6330	6450	
								38.4	59.6	59.6		52.3	111.9							114.2	43.3	6930	7050
								47.3	68.5	70.9		61.1	129.6							132.0	52.2	7400	7520



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(USA) IP-65 Push Button Station is light weight and durable
- 4. MOTOR BRAKE**
Our DC Brake provides instant braking and is designed for long life.
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Hoist duty motors are made of heavy cast iron that provide maximum cooling even under the toughest operating conditions. The class F motor insulation (single speed) are rated for H4 service. Other insulation classes and thermal ratings are available upon request.
- 6. LIFT**
True vertical lift standard on low headroom hoists.
- 7. HOOK**
Our high strength forged steel hook comes equipped with a safety l and a thrust bearing which enables the hook to swivel 360 degrees.

SU SERIES SPECIFICATIONS & DIMENSIONS

Model	Capacity	Lift (ft)	Hoisting			Traversing			Wire Rope	Reeving Type			
			Speed (ft/min)	Motor HP	Motor RPM	Speed (ft/min)	Motor HP	Motor RPM			A	B	C
			60HZ			60HZ			ømm				
SUBH-200DB	2ton	20	28.6	5	1800	66	0.54	1800	ø8	2PD	43.2	33.4	33.5
SUBHD-200DB	4400lbs	30	28.6/9.5	5/1.7	1800/600	66/22	0.54/0.17	1800/600					39.4
		40											47.2
SUCH-300DB	3ton	20	22.1	7	1800	69	0.54	1800	ø10	2PD	48.6	37.8	33.5
SUCHD-300DB	6600lbs	30	22.1/7.3	7/2.3	1800/600	69/23	0.54/0.17	1800/600					45.3
		40											45.3
SUDH-500DB	5ton	20	19.1	9	1800	69	1	1800	ø10	2PD	48.6	37.8	33.5
SUDHD-500DB	11000lbs	30	19.1/6.3	9/3	1800/600	69/23	1/0.33	1800/600					45.3
		40											45.3
SUEAH-750DB	7.5ton	20	15.9	11	1800	66	1.5	1800	ø12	2PD	63.0	51.2	45.3
SUEAHD-750DB	16500lbs	30	15.9/5.3	11/3.7	1800/600	66/22	1.5/0.54	1800/600					45.3
		40											51.2
SUFAH-1000DB	10ton	20	16.1	15	1800	49	2	1800	ø14	2PD	63.0	51.2	45.3
SUFAHD-1000DB	22000lbs	30	16.1/5.3	15/5	1800/600	49/16	2/0.67	1800/600					45.3
		40											51.2
SUIH-1500DB	15ton	20	14	17.4	1800	59	2	1800	ø18	2PD	70.1	55.3	45.3
SUIHD-1500DB	33000lbs	30	14/4.6	17.4/5.8	1800/600	59/19.7	2/0.67	1800/600					53.2
		40											61
SUII-2000DB	20 ton	20	10.4	17.4	1800	59	3	1800	ø18	3PD	73.6	58.3	51.2
SUIID-2000DB	44000 lbs	30	10.4/3.46	17.4/5.8	1800/600	59/19.7	3 / 1	1800/600					63.0
		40											74.8
SUIJ-2500DB	25 ton	20	7	15	1800	59	3	1800	ø18	4PD	78.1	60.0	66.9
SUIJD-2500 DB	55000 lbs	30	7/2.3	15/5.8	1800/600	59/19.7	3 / 1	1800/600					86.6
		40											102.4
SUIJ-3000DB	30 ton	20	7	17.4	1800	59	3	1800	ø18	4PD	79.0	61.0	68.9
SUIJD-3000DB	66000 lbs	30	7/2.3	17.4/5.8	1800/600	59/19.7	3 / 1	1800/600					86.6
		40											104.3

11 * Dimensions included control panel

Black Bear



PRODUCT CODE

T	UD	H	D	500	DB
Model	Gear box no.	Reeving		S.W.L.	DC Brake
T: MONORAIL TROLLEY S: TOP RUNNING TROLLEY F: FOOTMOUNT	UA: 3HP X 1800RPM UB: 5HP X 1800RPM UC: 7HP X 1800RPM UD: 9HP X 1800RPM UEA: 11HP X 1800RPM UFA: 15HP X 1800RPM UG: 25-40HP X 1800RPM UI: 17.4HP X 1800RPM	H: 2PD I: 3PD J: 4PD K: 5PD R: 6PD	Blank: Single speed only D: Only hoist dual speed D1: Only trolley dual speed D2: Both hoist & trolley dual speed	200: 2ton=4400lbs 300: 3ton=6600lbs 500: 5ton=11000lbs 750: 7.5ton=16500lbs 1000: 10ton=22000lbs 1500: 15ton=33000lbs 2000: 20ton=44000lbs 2500: 25ton=55000lbs 3000: 30ton=66000lbs 4000: 40ton=88000lbs 5000: 50ton=110000lbs	Blank: AC brake

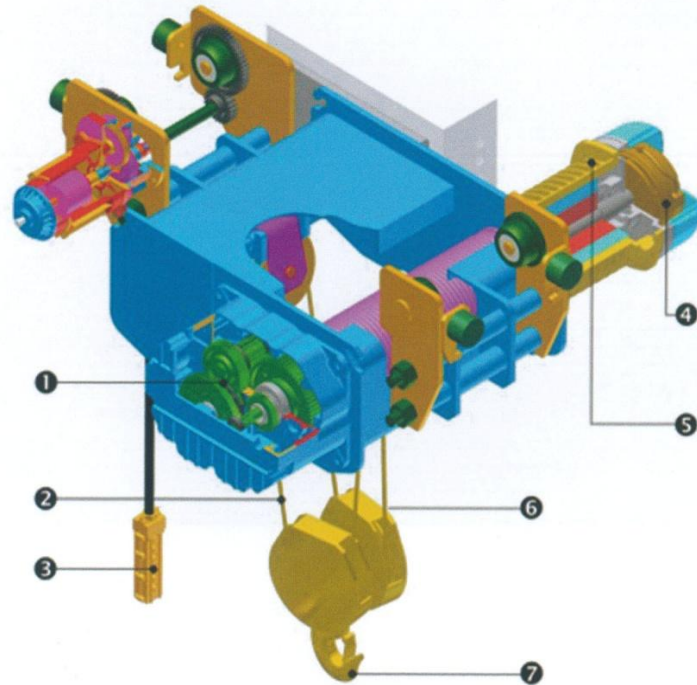
CLASSIFICATION OF LIFTING DEVICE

The Standard Black Bear hoist meets classification H4 heavy service duty cycle. Black Bear offer hoists and accessories for overhead cranes covering all duty classifications.

Duty Cycle	Standby or Infrequent Service	Light Service	Moderate Service	Heavy Service	Severe Service	Continuous Severe Service
CMAA Crane Classification	A	B	C	D	E	F
HMI Hoist Classification	H1	H2	H3	H4	H5	-



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TU SERIES SPECIFICATIONS & DIMENSIONS

Model	Capacity	Lift (ft)	Hoisting			Traversing			Wire Rope	Reeving Type	A
			Speed (ft/min)	Motor HP	Motor RPM	Speed (ft/min)	Motor HP	Motor RPM			
			60HZ			60HZ					
TUAH-100DB	1 ton	20	33.6	3	1800	49.2	0.33	1800	ø6.3	2PD	51.5
TUAHD-100DB	2200 lbs	30	33.6/11.2	3/1	1800/600	49.2/16.4	0.33/0.11	1800/600			
		40									
TUBH-200DB	2 ton	20	28.6	5	1800	49.2	0.54	1800	ø8	2PD	51.5
TUBHD-200DB	4400 lbs	30	28.6/9.5	5/1.7	1800/600	49.2/16.4	0.54/0.17	1800/600			
		40									
TUCH-300DB	3 ton	20	22.1	7	1800	49.2	0.54	1800	ø10	2PD	55.8
TUCHD-300DB	6600 lbs	30	22.1/7.3	7/2.3	1800/600	49.2/16.4	0.54/0.17	1800/600			
		40									
TUDH-500DB	5 ton	20	19.1	9	1800	49.2	1	1800	ø10	2PD	55.8
TUDHD-500DB	11000 lbs	30	19.1/6.3	9/3	1800/600	49.2/16.4	1/0.33	1800/600			
		40									
TUEAH-750DB	7.5 ton	20	15.9	11	1800	52.5	1.5	1800	ø12	2PD	69.7
TUEAHD-750DB	16500 lbs	30	15.9/5.3	11/3.7	1800/600	52.5/17.5	1.5/0.54	1800/600			
		40									
TUFAH-1000DB	10 ton	20	16.1	15	1800	52.5	2	1800	ø14	2PD	71.9
TUFAHD-1000DB	22000 lbs	30	16.1/5.3	15/5	1800/600	52.5/17.5	2/0.67	1800/600			
		40									
TUIH-1500DB	15 ton	20	14	17.4	1800	59	2	1800	ø18	2PD	78.9
TUIHD-1500DB	33000 lbs	30	14/4.6	17.4/5.8	1800/600	59/19.7	2/0.67	1800/600			
		40									
TUII-2000DB	20 ton	20	10.4	17.4	1800	59	3	1800	ø18	3PD	89.4
TUIID-2000DB	44000 lbs	30	10.4/3.46	17.4/5.8	1800/600	59/19.7	3/1	1800/600			
		40									

※ Dimensions included control panel

※ Trolley bearing with lubrication system is an available optional, please contact with Black Bear Corporation for a price.
※ Radial curved trolley is an available optional, please contact with Black Bear Corporation for a price.

FOOTMOUNT

Black Bear



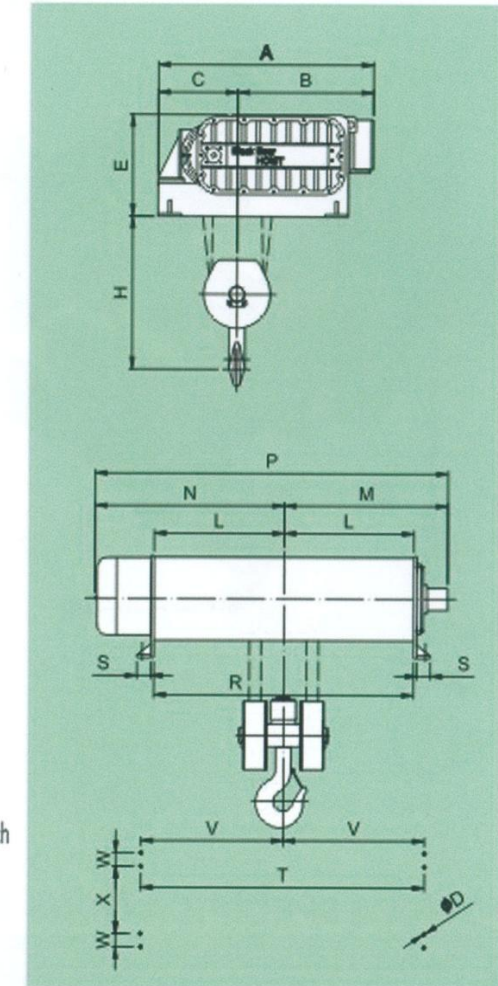
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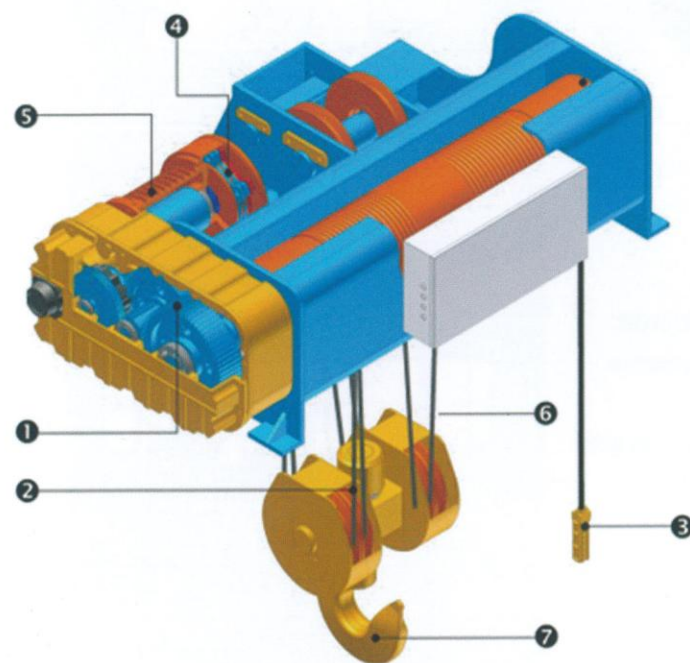
• Geared upper and lower limit switch available as an option.



Approximate Dimension(in)														Appro. Weight (lbs)	
E	H	L	M	N	P	R	S	T	V	W	X	øD	(S)	(D)	
30.1	50.6	40.4	51.3	59.3	110.6	80.8	4.1	87.8	43.9	3.9	48.8	0.86	10248		
		40.4	51.3	59.3	110.6	80.8		87.8	43.9				10248		
		40.3	55.2	63.3	118.5	80.6		95.7	47.85				11318		
30.1	59.0	40.4	51.3	59.3	110.6	80.8	4.1	87.8	43.9	3.9	48.8	0.86	10698		
		50.2	61.1	69.2	130.3	100.4		107.5	53.75				11763		
		58.1	69.0	77.0	146.6	116.2		123.3	61.65				12633		
	73.2	50.2	59.7	68.2	127.9	100.4	4.1	107.5	53.75	3.9	48.8	0.86	12130	12290	
		58.1	67.5	76.1	143.6	116.2		123.3	61.65				13000	13160	
		68.3	77.8	86.3	164.1	136.7		143.7	71.85				13870	14030	



ELECTRIC WIRE ROPE HOIST



- 1. MECHANICAL LOAD BRAKE**
The advanced design of the mechanical load brake provides braking without hook drift, independent of the motor brake.
- 2. WIRE ROPE**
High strength 19x7 IWSC (195kg/mm²)
- 3. PUSH BUTTON STATION**
(USA) IP-65 Push Button Station is light weight and durable
- 4. MOTOR BRAKE**
Our DC Brake provides instant braking and is designed for long life.
- 5. MOTOR**
Hoist duty motors are made of heavy cast iron that provide maximum cooling even under the toughest operating conditions. The class F motor insulation (single speed) are rated for H4 service. Other insulation classes and thermal ratings are available upon request.
- 6. LIFT**
True vertical lift standard on low headroom hoists.
- 7. HOOK**
Our high strength forged steel hook comes equipped with a safety latch and a thrust bearing which enables the hook to swivel 360 degrees.

FU SERIES SPECIFICATIONS & DIMENSIONS

Model	Capacity	Lift (ft)	Hoisting			Wire Rope	Reeving Type			
			Speed (ft/min)	Motor HP	Motor RPM					
			60HZ					ømm		
FUGI-3000	30 ton	20	13.2	40	1800	ø20	3PD	67.5	33.3	34.2
FUGID-3000	66000 lbs	30	13.2/4.4	40/13.4	1800/600					
		40								
FUGJ-4000	40 ton	30	9.9	40	1800	ø20	4PD	67.5	38.3	29.2
FUGJD-4000	88000 lbs	40	9.9/3.3	40/13.4	1800/600					
		50								
FUGK-5000	50 ton	30	7.9	40	1800	ø20	5PD	69.3	40.7	28.6
FUGKD-5000	110000 lbs	40	7.9/2.6	40/13.4	1800/600					
		50								

※ Dimensions included control panel

MONORAIL

Black Bear



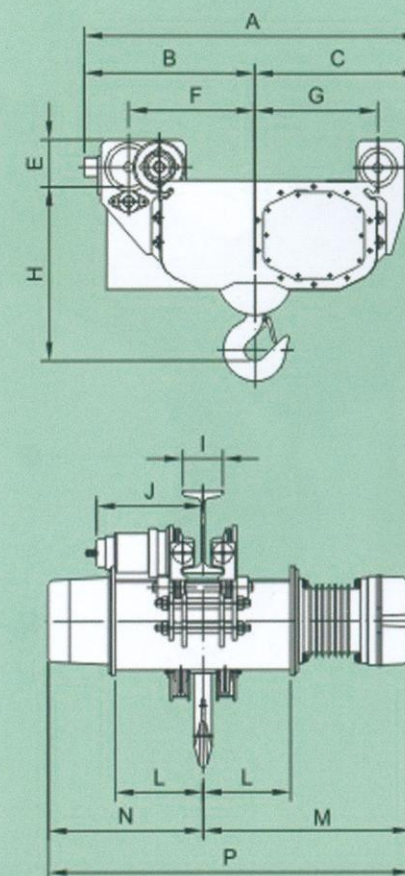
PADDLE TYPE UPPER

• LIMIT SWITCH

A paddle type upper control circuit limit switch is a standard feature on all monorail hoists.

A counterweight type upper limit switch is used on hoist with 15 ton capacity and greater.

• Geared upper and lower limit switch available as an option.



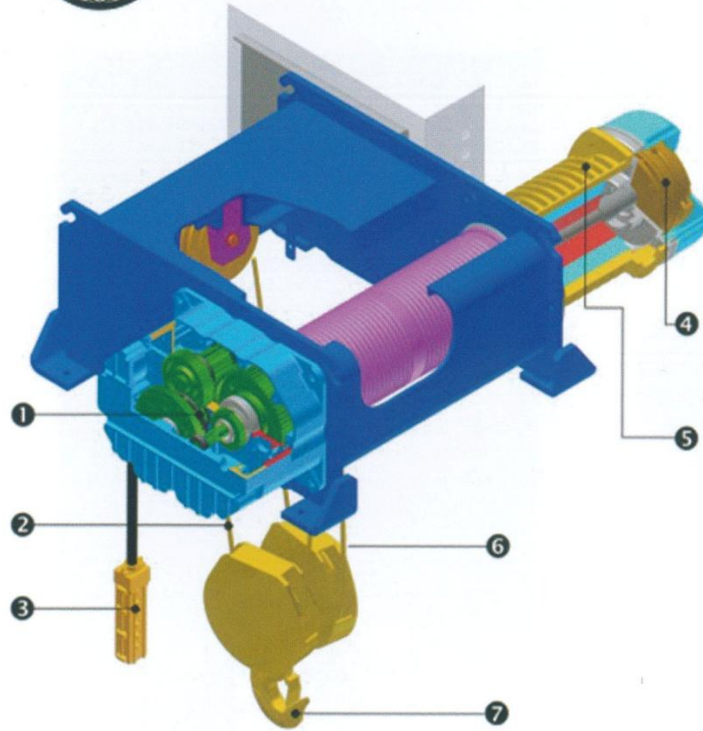
Approximate Dimension(in)															Trolley Wheels Adjustment (in)	Appro. Weight (lbs)	
B	C	E	F	G	H	I	J	L	M		N	P		(S)		(D)	
									(S)	(D)		(S)	(D)				
27.2	24.3	5.3	19.9	17.9	19.8	4	13.6	10.7	24.7	27.9	17.4	42.1	45.3	4~11 ¹ / ₄	966		
								13.9	27.8	31.0	20.6	48.4	51.6		1098		
								17.0	31.0	34.2	23.7	54.7	57.9		1230		
27.2	24.3	5.3	20.3	17.9	23.1	4	17.4	12.7	28.2	29.8	19.4	47.6	49.2	4~11 ¹ / ₄	1050		
								16.8	32.4	34.0	23.5	55.9	57.5		1118		
								21.0	36.5	38.1	27.7	64.2	65.8		1250		
28.0	27.8	7.0	20.5	20.6	27.4	5	18.6	13.0	30.5	33.8	23.6	54.1	57.4	5~13	1480		
								17.0	34.5	37.8	27.5	62.0	65.3		1523		
								19.9	37.5	40.8	30.5	68.0	71.3		1613		
28.0	27.8	7.0	20.5	20.6	28.1	5	19.8	13.0	30.3	33.8	23.6	53.9	57.4	5~13	1533		
								17.0	34.2	37.8	27.5	61.7	65.3		1650		
								19.9	37.2	40.8	30.5	67.7	71.3		1713		
35.4	34.3	8.2	27.4	26.6	38.6	6	21.6	14.1	35.0	35.1	27.8	62.8	62.9	6~14	3020	3262	
								18.0	38.9	39.0	31.8	70.7	70.8		3170	3412	
								21.9	42.9	43.0	35.7	78.6	78.7		3320	3562	
36.6	35.3	10.9	28.1	27.0	42.7	6	23.1	14.1	35.0	37.5	27.8	62.8	65.3	6~14	3080	3300	
								18.0	38.9	41.4	31.8	70.7	73.2		3300	3520	
								21.9	42.9	45.4	35.7	78.6	81.1		3570	3790	
39.6	39.3	11.3	30.5	31.0	57.2	6	23.8	17.8	39.0	41.3	31.7	70.7	73.0	6~14	4570	4690	
								21.8	43.0	45.3	35.6	78.6	80.9		4620	4730	
								26.1	47.3	49.6	39.9	87.2	89.5		4790	4910	
44.0	45.4	13.6	34.4	36.5	69.9	6	30.8	21.0	42.2	44.5	34.9	77.1	79.4	6~14	6020	6140	
								26.8	48.0	50.3	40.6	88.6	90.9		6390	6510	
								32.7	53.9	56.2	46.5	100.4	102.7		6760	6880	



ELECTRIC WIRE ROPE HOIST

FOOTMOUNT

Black Bear



- 1. MECHANICAL LOAD BRAKE**
The advanced design of the mechanical load brake provides braking without hook drift, independent of the motor brake.
- 2. WIRE ROPE**
High strength 19x7 IWSC (195kg/mm²)
- 3. PUSH BUTTON STATION**
(USA) IP-65 Push Button Station is light weight and durable
- 4. MOTOR BRAKE**
Our DC Brake provides instant braking and is designed for long life.
- 5. MOTOR**
Hoist duty motors are made of heavy cast iron that provide maximum cooling even under the toughest operating conditions. The class F motor insulation (single speed) are rated for H4 service. Other insulation classes and thermal ratings are available upon request.
- 6. LIFT**
True vertical lift standard on low headroom hoists.
- 7. HOOK**
Our high strength forged steel hook comes equipped with a safety latch and a thrust bearing which enables the hook to swivel 360 degrees.



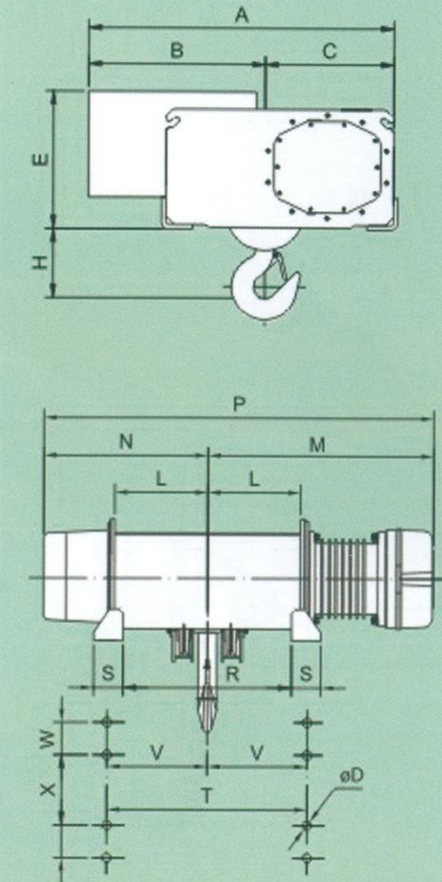
PADDLE TYPE UPPER

• LIMIT SWITCH

A paddle type upper control circuit limit switch is a standard feature on all wire rope hoists.

A counterweight type upper limit switch is used on hoist with 15 ton capacity and greater.

- Geared upper and lower limit switch available as an option.



FU SERIES SPECIFICATIONS & DIMENSIONS

Model	Capacity	Lift (ft)	Hoisting			Wire Rope ømm	Reeving Type	Approximate Dimension(in)																		Approx. Weight (lbs)	
			Speed (ft/min) 60HZ	Motor HP	Motor RPM			A	B	C	E	H	L	M		N	P		R	S	T	V	W	X	øD		
														(S)	(D)		(S)	(D)									
FUAH-100DB	1 ton	20	33.6	3	1800	ø6.3	2PD	40.1	23.5	16.6	17.2	6.3	10.7	24.7	27.9	17.4	42.1	45.3	20.3	3.0	24.6	12.30	-	26	0.55	820	
FUAHD-100DB	2200 lbs	30	33.6/11.2	3/1	1800/600								13.9	27.8	31.0	20.6	48.4	51.6	26.6		30.9	15.45				958	
		40											17.0	31.0	34.2	23.7	54.7	57.9	32.9		37.2	18.60				1090	
FUBH-200DB	2 ton	20	28.6	5	1800	ø8	2PD	40.1	23.5	16.6	17.2	9.1	12.7	28.2	29.8	19.4	47.6	49.2	24.2	3.0	28.5	14.25	-	26	0.55	870	
FUBHD-200DB	4400 lbs	30	28.6/9.5	5/1.7	1800/600								16.8	32.4	34.0	23.5	55.9	57.5	32.5		36.8	18.40				1008	
		40											21.0	36.5	38.1	27.7	64.2	65.8	40.8		45.1	22.55				1140	
FUCH-300DB	3 ton	20	22.1	7	1800	ø10	2PD	43.5	23.5	20.0	19.5	11.6	13.0	30.5	33.8	23.6	54.1	57.4	24.1	4.4	30.5	15.25	-	28	0.71	1149	
FUCHD-300DB	6600 lbs	30	22.1/7.3	7/2.3	1800/600								17.0	34.5	37.8	27.5	62.0	65.3	31.9		38.4	19.20				1259	
		40											19.9	37.5	40.8	30.5	68.0	71.3	37.9		44.4	22.20				1369	
FUDH-500DB	5 ton	20	19.1	9	1800	ø10	2PD	48.4	29.0	20.0	19.5	12.4	13.0	30.3	33.8	23.6	53.9	57.4	24.1	4.4	30.5	15.25	-	28	0.71	1193	
FUDHD-500DB	11000 lbs	30	19.1/6.3	9/3	1800/600								17.0	34.2	37.8	27.5	61.7	65.3	31.9		38.4	19.20				1303	
		40											19.9	37.2	40.8	30.5	67.7	71.3	37.9		44.4	22.20				1450	
FUEAH-750DB	7.5 ton	20	15.9	11	1800	ø12	2PD	52.4	28.0	24.4	25.3	12.9	14.1	35.0	35.1	27.8	62.8	62.9	26.1	4.9	33.3	16.65	3.15	33.9	0.71	2227	2405
FUEAHD-750DB	16500 lbs	30	15.9/5.3	11/3.7	1800/600								18.0	38.9	39.0	31.8	70.7	70.8	34.0		41.1	20.55				2502	2680
		40											21.9	42.9	43.0	35.7	78.6	78.7	41.9		49.0	24.50				2780	2960
FUFAH-1000DB	10 ton	20	16.1	15	1800	ø14	2PD	52.4	27.6	24.8	25.3	16.5	14.1	35.0	37.5	27.8	62.8	65.3	26.1	4.9	33.3	16.65	3.15	33.9	0.71	2420	2597
FUFAHD-1000DB	22000 lbs	30	16.1/5.3	15/5	1800/600								18.0	38.9	41.4	31.8	70.7	73.2	34.0		41.1	20.55				2795	2971
		40											21.9	42.9	45.4	35.7	78.6	81.1	41.9		49.0	24.50				3197	3383
FUIH-1500DB	15 ton	20	14	17.4	1800	ø18	2PD	64.0	34.9	28.8	26.9	31.6	17.8	39.0	41.3	31.7	70.7	73.0	33.9	4.9	41.06	20.53	3.15	40.0	0.71	3520	3630
FUIHD-1500DB	33000 lbs	30	14/4.6	17.4/5.8	1800/600								21.8	43.0	45.3	35.6	78.6	80.9	41.8		48.94	24.47				3560	3680
		40											26.1	47.3	49.6	39.9	87.2	89.5	50.5		57.60	28.80				3735	3850
FUII-2000DB	20 ton	20	10.4	17.4	1800	ø18	3PD	63.2	30.6	31.5	26.9	42.0	21.0	42.2	44.5	34.9	77.1	79.4	40.4	4.9	47.48	23.74	3.15	38.58	0.71	4590	4710
FUIID-2000DB	44000 lbs	30	10.4/3.46	17.4/5.8	1800/600								26.8	48.0	50.3	40.6	88.6	90.9	51.8		58.90	29.45				4890	5010
		40											32.7	53.9	56.2	46.5	100.4	102.7	63.6		70.70	35.35				5200	5320
FUIJ-2500DB	25 ton	20	7	15	1800	ø18	4PD	47.2	14.3	33	26.9	45.3	29.4	53.3	55.7	43.1	96.4	98.8	57.0	4.9	64.20	32.10	3.15	38.58	0.71	5045	5165
FUIJD-2500DB	55000 lbs	30	7/2.3	15/5.8	1800/600								37.9	61.8	64.1	51.6	113.3	115.7	74.0		81.10	40.60				5510	5630
		40											46.4	70.3	72.6	60.1	130.3	132.7	91.0		98.10	49.10				5978	6095
FUIJ-3000DB	30 ton	20	7	17.4	1800	ø18	4PD	59.3	26.4	32.9	27.7	61.3	29.6	50.8	53.1	43.4	94.2	96.5	57.6	4.9	64.80	32.40	3.20	50.60	0.71	5345	5465
FUIJD-3000DB	66000 lbs	30	7/2.3	17.4/5.8	1800/600								38.4	59.6	59.6	52.3	111.9	114.2	75.4		82.50	41.30				5810	5930
		40											47.3	68.5	70.9	61.1	129.6	132.0	93.0		100.2	50.10				6278	6395