

H-W EQUIPMENT

Traction Machines-Geared

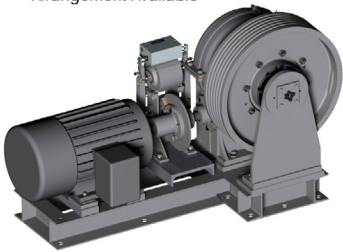
Basement Set Traction Machines (STD)

These machines are designed for installation where there is insufficient room over the hatch for an overhead machine. The Standard Basement Set Machine has a narrow steel outboard stand to allow the traction wheel to project into the hatch.

Right Hand Arrangement
Shown, Left Hand
Arrangement Available

4 MODELS TO CHOOSE FROM:

MACHINE	MAXIMUM SHAFT LOAD		MACHINE WEIGHT LESS MOTOR	
	lbs	kgs	lbs	kgs
#44	20,000	9,072	1,600	726
#54	26,000	11,793	2,300	1,043
#64	33,000	14,969	3,500	1,588
#74	60,000	27,216	5,500	2,495



Standard Equipment (at no extra cost)

- Steel Shaft Support Block
- Narrow Steel Outboard Stand
- Direct Current Brake: #44 thru #64 Machines Furnished with Disc Brake, #74 Furnished with Drum Brake Only
- Motor Coupling Bored with Keyway
- Fabricated Steel Base
- Demountable Traction Sheave
- Demountable Bronze Gear
- Steel Worm on Integral Shaft
- Motor Mounting Pads
- Customer Name on Housing Cover
- Supplied w/ Oil

Optional Equipment:

- Drip Pans
- Mileage Recorder and Drive Assembly
- Brake Switch
- Sheave Guard
- Machine Template
- Foundation Bolts and Pipe Spacers
- Motor Mounting in Field or by H-W
- Manual Brake Release
- Drum Brake
- Rope Gripper Mounting Provisions
- VVVF-AC Hoist Motor

When Ordering Standard Basement Set Traction Machines, Please Specify The Following:

- Rated Car Capacity • Rated Car Speed • Roping (1:1 or 2:1) • Hand of Machine • Number & Size of Hoist Ropes
- Hoist Motor Manufacturer (Motor Prints Required)
- Horsepower & R.P.M. • Power Supply • Motor Mounting in Field or by H-W • Name to be put on Upper Housing
- Other Optional Equipment

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HORSEPOWER & MACHINE SELECTION CHARTS

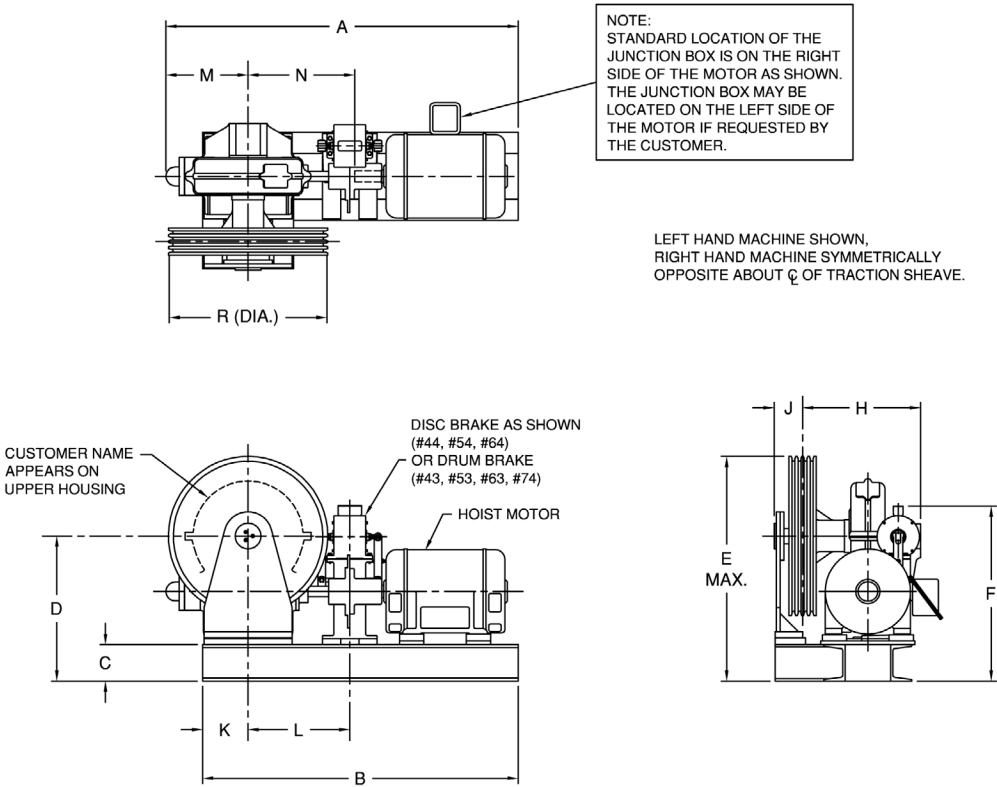
1:1 ROPING, 40% COUNTERBALANCE														
SPEED: CAR = MACHINE														
fpm		50	75	100	125	150	200	250	300	350	400	450	500	
m/s		0.25	0.38	0.51	0.64	0.76	1.02	1.27	1.52	1.78	2.03	2.29	2.54	
#43/44	lbs	1000	1500	2000	2500	3000	3500	4000						
	kgs	454	680	907	1134	1361	1588	1814						
		3	3	5	5	7.5	7.5	10	10	12.5	15	15		
		3	5	7.5	7.5	10	12.5	15	20	20	25	25	30	40
		5	7.5	10	12.5	15	20	25	30	30	40	40	50	60
#53/54		10	12.5	20	20	25	30	40	40	50	50	60	75	75
		12.5	20	25	30	40	50	60	75	75				
		15	25	30	40	50	60	75	75					
#63/64		20	25	30	40	50	60	75	75					
		25	30	40	50	60	75	75						
#7A		40	50	60	75									
		50	60	75										
		60	75											
		75												
CAPACITY														
CAR = MACHINE														

2:1 ROPING, 40% COUNTERBALANCE														
SPEED: Car = 1/2 Machine														
Car	fpm	25	50	75	100	125	150	175	200	225	250			
	m/s	0.13	0.25	0.38	0.51	0.64	0.76	0.89	1.02	1.14	1.27			
Machine	fpm	50	100	150	200	250	300	350	400	450	500			
	m/s	0.25	0.51	0.76	1.02	1.27	1.52	1.78	2.03	2.29	2.54			
#43/44	lbs	1000	1500	2000	2500	3000	3500	4000						
	kgs	454	680	907	1134	1361	1588	1814						
		3	5	7.5	10	10	12.5	15	20	20	25	25	30	40
		5	7.5	10	12.5	15	20	25	30	30	40	40	50	60
		7.5	12.5	15	20	25	30	40	40	50	50	60	75	75
#53/54		10	20	25	30	40	50	60	75	75				
		12.5	25	30	40	50	60	75	75					
		15	30	40	50	60	75	75						
#63/64		20	40	50	60	75								
		25	50	60	75									
#7A		40	60	75										
		50	75											
		60												
		75												
MACHINE CAPACITY														
CAR CAPACITY														
1/2 CAR = MACHINE														

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DIMENSIONS: INCHES [MILLIMETERS]



Mach.	Brake	A	B	C	D	E	F	H	J	K	L	M	N	R (Dia.)	
														Min.	Max.
#43 B.S.	#90 DRUM	58 3/8	52	6	23 7/8	37 7/8	36 3/4	20	5	7 1/2	16 3/4	13 7/8	17 3/8	20	28
		[1482]	[1321]	[152]	[606]	[962]	[933]	[508]	[127]	[191]	[425]	[352]	[441]	[508]	[711]
#44 B.S.	#102 DISC	58 3/8	52	6	23 7/8	37 7/8	28 7/8	20	5	7 1/2	16 3/4	13 7/8	17 9/16	20	28
		[1483]	[1321]	[152]	[606]	[962]	[733]	[508]	[127]	[191]	[425]	[352]	[446]	[508]	[711]
#53 B.S.	#100 DRUM	63 1/4	58	6	26 3/4	41 3/4	39	23 3/4	6 1/4	9 1/2	19	14 3/4	19 9/16	20	30
		[1607]	[1473]	[152]	[679]	[1060]	[991]	[603]	[159]	[241]	[483]	[375]	[497]	[508]	[762]
#54 B.S.	#102 DISC	63 1/4	58	6	26 3/4	41 3/4	30 5/8	23 3/4	6 1/4	9 1/2	15 5/8	14 3/4	17 3/4	20	30
		[1607]	[1473]	[152]	[679]	[1060]	[778]	[603]	[159]	[241]	[397]	[375]	[451]	[508]	[762]
#63 B.S.	#110 DRUM	73 1/4	66	8	33 1/4	51 1/4	45	25 1/2	7 3/4	11	23 3/8	18 1/4	24 3/8	25	38
		[1861]	[1676]	[203]	[845]	[1302]	[1143]	[648]	[197]	[279]	[594]	[464]	[619]	[635]	[965]
#64 B.S.	#112 DISC	73 1/4	66	8	33 1/4	51 1/4	34 1/2	25 1/2	7 3/4	11	17 5/8	18 1/4	19 7/8	25	38
		[1861]	[1676]	[203]	[845]	[1302]	[876]	[648]	[197]	[279]	[448]	[464]	[505]	[635]	[965]
#74 B.S.	#120 DRUM	82 11/16	76	10	40 11/16	59 11/16	46 5/8	31 3/4	10	12 1/2	23 3/4	19 5/16	24 3/4	32	38
		[2100]	[1930]	[254]	[1033]	[1516]	[1184]	[806]	[254]	[318]	[603]	[491]	[629]	[813]	[965]