



"Makin' the Hard Jobs Easy"

# ELECTRIC CHAIN HOISTS



## ELECTRIC CHAIN HOIST SA TYPE 1 PHASE, 1 SPEED

### Optional Overload Limit Device for the SA Hoists

Our new Torcon overload protection device is a slip clutch style. In the event of an overload, the device actuates and prevents the hoist from continuing to lift. This mechanism protects the hoist from damage.

- Single phase class B insulation with a short time duty of 25 minutes.
- Thermal protector - senses abnormal rise in temperatures within the motor and automatically shuts the motor down to prevent damage.

### Optional Motorized Trolleys

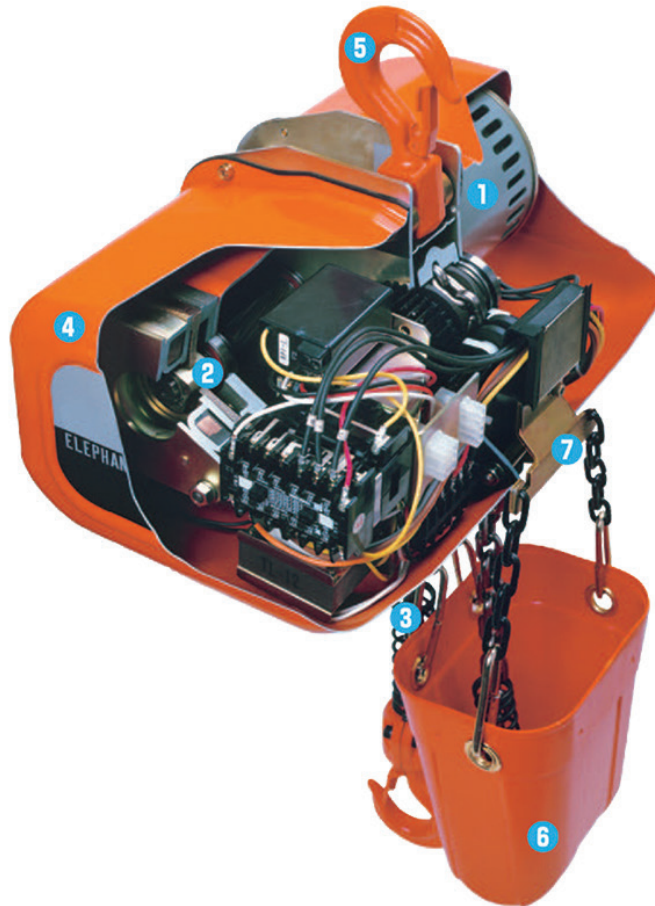
- MTS series motorized trolley, single phase, for combination with the SA electric chain hoists. 1/4t ~ 1 ton only.
- Trolleys come with pivoting adapter for hook to hook type suspension or lug type suspension

### Wiring - Simple Plug-In Type Connection



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# ELECTRIC CHAIN HOISTS



## FEATURES OF SA/SAM

### 1 Tough, Heavy-Duty Motor

Elephant's unique design for a lower power consumption.

	Insulation class	Short time duty
SA	B	25 minutes

### 2 Reliable Electro-Magnetic DC Brake

### 3 Highly durable load chain manufactured in Japan by Elephant

### 4 Totally Enclosed Steel Plate Construction

### 5 Durable top and bottom hooks

Bottom hook with bearing smoothly swivels, 360°. In the event of an overload, the hook gradually elongates. This elongation serves as an indicator to the end user, making them aware of the overload.

### 6 Chain Bucket Hard plastic

### 7 Limit switch Standard feature

### 8 Ambient temperature range 14°-104° F

### 9 Ratings JIS/ISO M4, FEM 1AM, ASME H3 Motor, IP54 Hoist Protection, IP65 NEMA 4X Pendant Protection

### 10 Temperature Range -10° to 40° C, 14° to 104° F

### 11 CSA Compliant Hoist available upon request, excludes motorized trolley

**Note: This model is not designed for excessive inching or jogging**

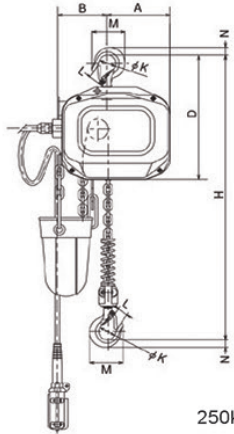


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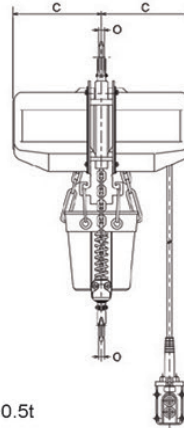
# ELECTRIC CHAIN HOISTS



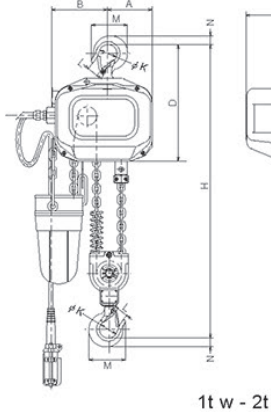
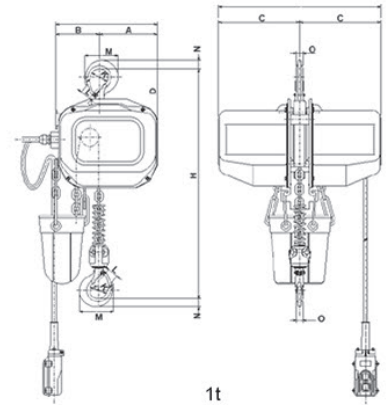
## SA TYPE HOOK SUSPENSION



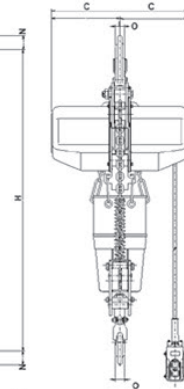
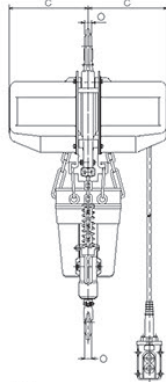
250kg~0.5t



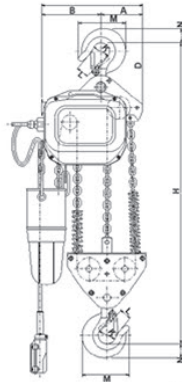
1t



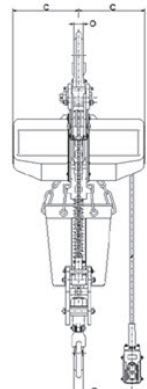
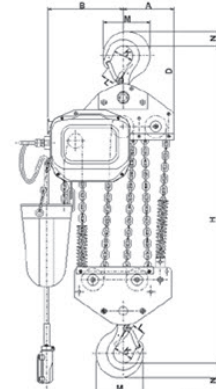
1t w - 2t



3t



5t



### SPECIFICATIONS - SA TYPE HOOK SUSPENSION

Model	W.L.L. (lbs)	W.L.L. (mt)	Test Load (mt)	Standard Lift (ft)	Standard Push Button Cord Length (ft)	Load Chain Dia. X Number of Falls	Lifting Motor Output (H.P.)	Lifting Speed (ft/min)		Min. Distance H (in)	Net Weight
								50Hz	60Hz		
SA-0.25	550	250kg	312.5 kg	10	8	6.3 x 1	0.61	23	27.5	21.85	95
SA-0.5	1100	0.5	0.625	10	8	6.3 x 1	0.61	11.5	13.5	21.85	95
SA-1W	2200	1	1.25	10	8	6.3 x 2	0.61	6	7	26.38	102
SA-1S	2200	1	1.25	10	8	7.1 x 1	1.21	9	10	23.2	136
SA-2	4400	2	2.5	10	8	7.1 x 2	1.21	4	5	29.33	152
SA-3	6600	3	3.75	10	8	7.1 x 3	1.21	3	3.3	33.07	191
SA-5	11000	5	6.25	10	8	7.1 x 5	1.21	1.7	2	38.2	248

### DIMENSIONS (IN.) - SA TYPE HOOK SUSPENSION

W.L.L. (lbs)	W.L.L. (mt)	A	B	C	D	K	L	M	N	O
550	250kg	6.34	4.88	8.82	12.24	1.69	1.04	3.31	0.75	0.55
1100	0.5	6.34	4.88	8.82	12.24	1.69	1.04	3.31	0.75	0.55
2200	1	5	6.22	8.82	12.97	1.97	1.22	4.06	0.98	0.75
2200	1	6.7	5.04	9.4	5.04	1.96	1.22	3.86	0.98	0.75
4400	2	5.24	6.5	9.4	6.5	2.56	1.5	5.33	1.38	1.02
6600	3	5.82	8.19	9.4	16.8	2.36	1.7	6.5	1.93	1.26
11000	5	7.2	10.74	9.4	19.2	2.76	1.85	6.69	2.08	1.4

\*Contact Factory For Additional Information

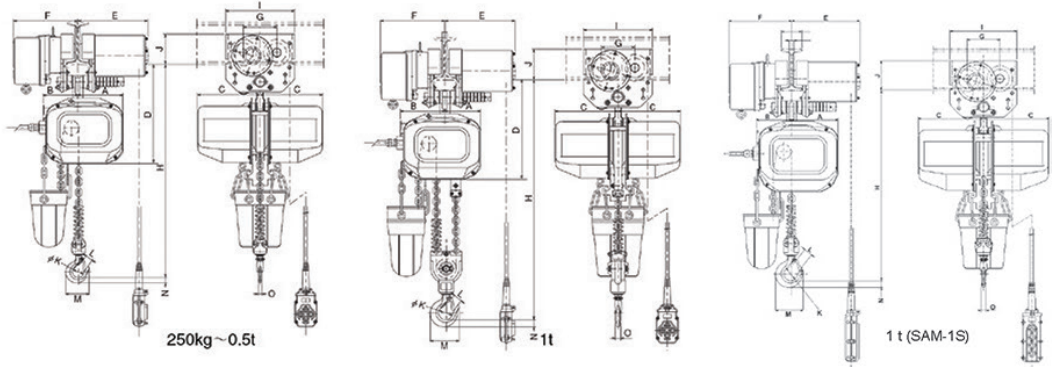


"Makin' the Hard Jobs Easy"

# ELECTRIC CHAIN HOISTS



SAM TYPE 1 SPEED HOIST, 1 SPEED MOTORIZED TROLLEY



## SPECIFICATIONS - SAM TYPE (SINGLE SPEED) ELECTRIC CHAIN HOIST WITH ELECTRIC TROLLEY

Model	W.L.L. (lbs)	W.L.L. (mt)	Test Load (mt)	Standard Lift (ft)	Traversing Motor Output (H.P.)	Traversing Speed (ft/min)		Min. Distance H (in) Hook : Lug	Traversing I-Beam Width (in)	Trolley Min. Radius (in)	Net Weight (lbs)
						50Hz	60Hz				
SAM-0.25	550	250kg	312.5 kg	10	0.41	32	39	27.36 (23.62)	2.95 - 5.91	43.31	163
SAM-0.5	1100	0.5	0.625	10		32	39	27.36 (23.62)			163
SAM-1	2200	1	1.25	10		32	39	31.89 (27.76)			170
SAM-1S	2200	1	1.25	10		32	39	28.74(24.61)			192

## DIMENSIONS (IN.) - SAM TYPE (SINGLE SPEED) ELECTRIC CHAIN HOIST WITH ELECTRIC TROLLEY

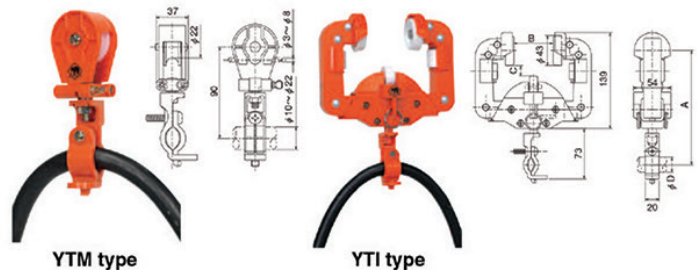
W.L.L. (lbs)	W.L.L. (mt)	A	B	C	D	E	F	G	I	J	K	L	M	N	O	P (Dia. of Wheel)
550	250kg	6.34	4.88	8.82	17.97	9.88	8.6	4.72	9.69	4.49	1.69	1.04	3.31	0.75	0.55	2.68
1100	0.5	6.34	4.88	8.82	17.97	9.88	8.6	4.72	9.69	4.49	1.69	1.04	3.31	0.75	0.55	2.68
2200	1	5	6.22	8.82	20.91	9.88	8.6	4.72	9.69	4.49	1.97	1.22	4.06	0.98	0.75	2.68
2200S	1	6.69	5.04	9.41	19.25	9.88	8.6	4.72	9.69	4.49	1.97	1.22	4.06	0.98	0.75	2.68

## EMERGENCY STOP BUTTON

Standard Feature On Single Phase Units



## CABLE HANGER



YTM type

YTI type

## DIMENSIONS (IN.) - CABLE HANGER

Model	I-Beam Width	A	B	C	D (Cable Dia.)
YTI-100	2.95	6.54	1.26	0.59	0.39 - 0.87
	3.94	6.54	2.24	0.59	0.39 - 0.87
YTI-150	4.92	6.54	3.23	0.98	0.39 - 0.87
	5.91	6.54	4.21	0.98	0.39 - 0.87



"Makin' the Hard Jobs Easy"

# ELECTRIC CHAIN HOISTS



## ELECTRIC CHAIN HOIST FA TYPE 1 SPEED, 3 PHASE DUAL VOLTAGE & FB TYPE 2 SPEED, 3 PHASE SINGLE VOLTAGE

### Optional Overload Limit Device for the FA and FB Hoists

Our new Torcon overload protection device is a slip clutch style. In the event of an overload, the device actuates and prevents the hoist from continuing to lift. This mechanism protects the hoist from damage.

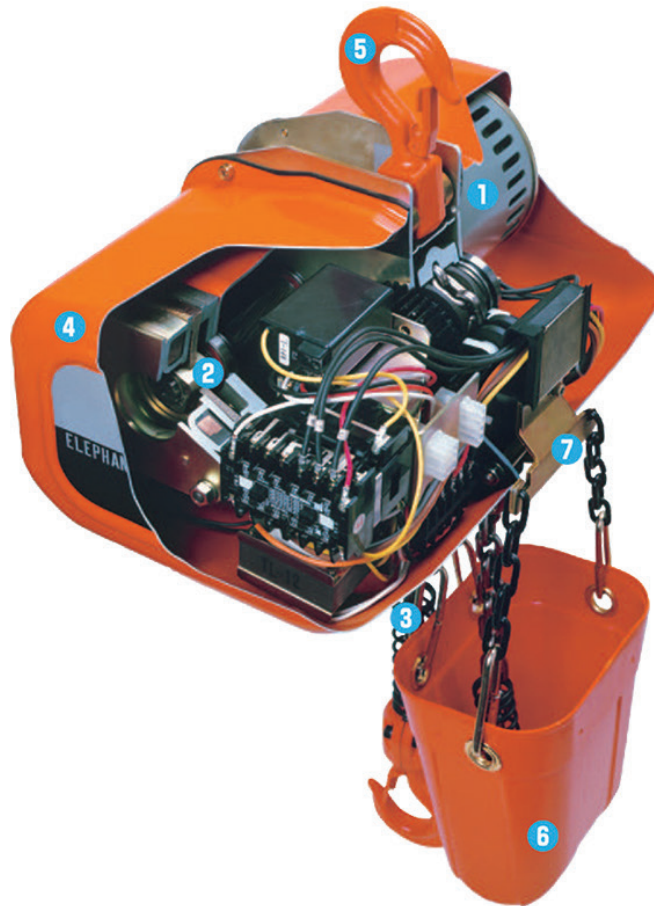
- MAS series motorized trolley, three phase, single speed, slower traversing speed, for combination with the FA series electric chain hoists
- MAF series motorized trolley, three phase, single speed, faster traversing speed, for combination with the FA series electric chain hoists
- MB series motorized trolley, three phase, dual speed, for combination with the FA series electric chain hoists
- Trolleys come with pivoting adapter for hook to hook type suspension or lug type suspension

### Wiring - Simple Plug-In Type Connection



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# ELECTRIC CHAIN HOISTS



## FEATURES OF FA/FB

### 1 Tough, Heavy-Duty Motor

Elephant's unique design for a lower power consumption.

	Insulation class	Short time duty
FA	E	30 minutes
FB	E	30 minutes (high speed)
		15 minutes (low speed)

**2 Reliable Electro-Magnetic DC Brake** The brake safety factor is more than 3 times of the rated load. A safe electromagnetic, power off brake type. The safe 'power off brake' holds a load when electric power is either accidentally lost, or intentionally disconnected.

**3 Highly durable load chain manufactured in Japan by Elephant**

### 4 Totally Enclosed Steel Plate Construction

### 5 Durable top and bottom hooks

Bottom hook with bearing smoothly swivels, 360°. In the event of an overload, the hook gradually elongates. This elongation serves as an indicator to the end user, making them aware of the overload.

**6 Chain Bucket** Hard plastic

**7 Limit switch** Standard feature

**8 Ratings** JIS/ISO M4, FEM 1AM, ASME H3 Motor, IP54 Hoist Protection, IP65 NEMA 4X Pendant Protection

**9 Temperature Range** -10° to 40° C, 14° to 104° F

**10 CSA Compliant Hoist** available upon request, excludes motorized trolley

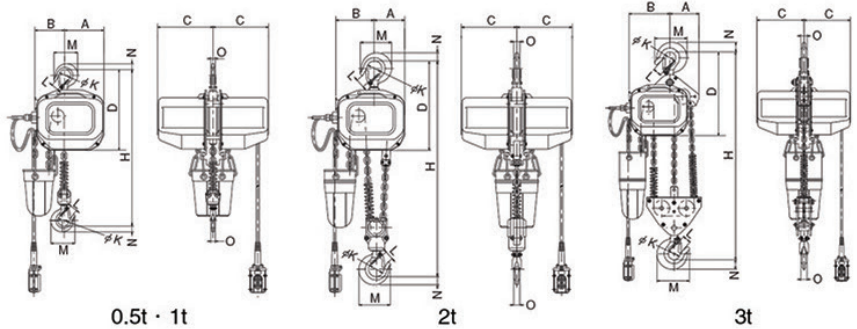


"Makin' the Hard Jobs Easy"

# ELECTRIC CHAIN HOISTS



## FA/FB HOOK SUSPENSION



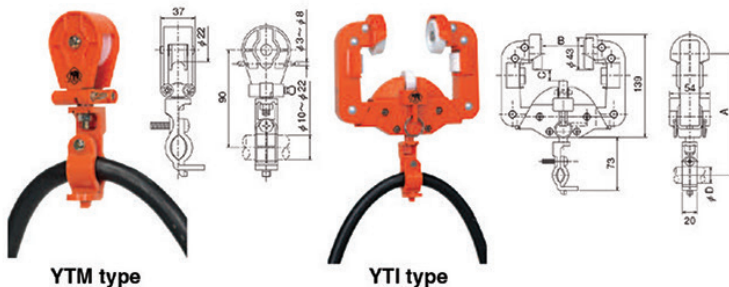
### SPECIFICATIONS - FA/FB TYPE HOOK SUSPENSION

Model	W.L.L. (lbs)	W.L.L. (mt)	Test Load (mt)	Standard Lift (ft)	Standard Push Button Cord Length (ft)	Load Chain Dia. X Number of Falls	Lifting Motor Output (H.P.), (FB) High: Low Speed	Lifting Spd. (ft/min) (FB) High:Low speed		Min. Distance H (in)	Net Weight (lbs)
								50Hz	60Hz		
FA-0.5	1100	0.5	0.625	10	8	6.3 x 1	1.22	23	27.5	21.85	95
FA-1	2200	1	1.25	10	8	7.1 x 1	2.18	20	24.5	23.23	123
FA-2	4400	2	2.5	10	8	7.1 x 2	2.18	10	12.5	29.33	141
FA-3	6600	3	3.75	10	8	7.1 x 3	2.18	7	8	33.07	183
FA-5	11000	5	6.25	10	8	7.1 x 5	2.18	4.1	4.8	38.2	246
FB-0.5	1100	0.5	0.625	10	8	6.3 x 1	1.22 : 0.34	23 / 6	27.5 / 7	21.85	97
FB-1	2200	1	1.25	10	8	7.1 x 1	2.18 : 0.54	21 / 5	24.6 / 6	23.23	126
FB-2	4400	2	2.5	10	8	7.1 x 2	2.18 : 0.54	10 / 1.6	12.5 / 3	29.33	143
FB-3	6600	3	3.75	10	8	7.1 x 3	2.18 : 0.54	7 / 1.6	8 / 2	33.07	185
FB-5	11000	5	6.25	10	8	7.1 x 5	2.18 : 0.54	4.1	4.8/1.2	38.2	246

### DIMENSIONS (IN.) - FA/FB TYPE HOOK SUSPENSION

W.L.L. (lbs)	W.L.L. (mt)	A	B	C	D	K	L	M	N	O
1100	0.5	6.34	4.88	8.82	12.46	1.69	1.04	3.31	0.75	0.55
2200	1	6.69	5.04	9.41	13.74	1.97	1.22	4.09	0.98	0.75
4400	2	5.24	6.5	9.41	15.22	2.56	1.5	5.33	1.38	1.02
6600	3	5.83	8.19	9.41	16.81	2.36	1.69	6.5	1.93	1.26
11000	5	7.2	10.74	9.4	19.2	2.76	1.85	6.7	2.08	1.38

## CABLE HANGER



### DIMENSIONS (IN.) - CABLE HANGER

Model	I-Beam Width	A	B	C	D (Cable Dia.)
YTI-100	2.95	6.54	1.26	0.59	0.39 - 0.87
	3.94	6.54	2.24	0.59	0.39 - 0.87
YTI-150	4.92	6.54	3.23	0.98	0.39 - 0.87
	5.91	6.54	4.21	0.98	0.39 - 0.87

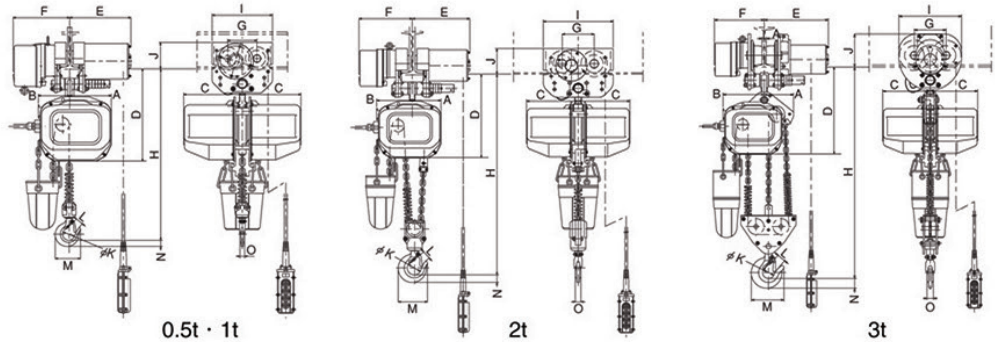


"Makin' the Hard Jobs Easy"

# ELECTRIC CHAIN HOISTS



## FAMB/FBMB 1 SPEED & 2 SPEED HOIST, WITH 1 SPEED MOTORIZED TROLLEY



### SPECIFICATIONS - FAM/FBM 1 SPEED & 2 SPEED HOIST, 1 SPEED & 2 SPEED MOTORIZED TROLLEY

Model	W.L.L. (lbs)	W.L.L. (mt)	Standard Lift (ft)	Lifting Speed (ft/min) (FB) High:Low Speed		Traversing Motor Output (H.P.)	Traversing Speed (ft/min)		Min. Distance H (in) Hook : Lug	Traversing I-beam Width	Trolley Min. Radius (in)	Net Weight (lbs)			
				50Hz	60Hz		50Hz/60Hz	50Hz/60Hz							
FAM-0.5	1100	0.5	10	23	27.5	0.54	65 / 78 MAF type	32 / 39 MAS type	27.36 (23.62)	2.95-5.91	43.31	163			
FAM-1	2200	1	10	20	24.5				28.74 (24.61)				59.06		
FAM-2	4400	2	10	10	12.5				35.83 (29.53)					59.06	
FAM-3	6600	3	10	7	8				40.16 (33.86)						59.06
FAM-5	11000	5	10	*	4.8				38.8						
FBM-0.5	1100	0.5	10	23 / 6	27.5 / 7	27.36 (23.62)	43.31								
FBM-1	2200	1	10	21 / 5	24.6 / 6	28.74 (24.61)		43.31							
FBM-2	4400	2	10	10 / 1.6	12.5 / 3	35.83 (29.53)			59.06						
FBM-3	6600	3	10	7 / 1.6	8 / 2	40.16 (33.86)				59.06					
FBM-5	11000	5	10	*	4.8 / 1.2	38.8					78.74				

### DIMENSIONS (IN.) - FAM/FBM 1 SPEED & 2 SPEED HOIST, 1 SPEED & 2 SPEED MOTORIZED TROLLEY

W.L.L. (lbs)	W.L.L. (mt)	A	B	C	*D	*E	*F	G	I	*J	K	L	M	N	O	P (dia. of wheel)
1100	0.5	6.34	4.88	8.82	17.97	9.88 (10.94)	8.6	4.72	9.69	4.49	1.69	1.04	3.31	0.75	0.55	2.68
2200	1	6.69	5.04	9.41	19.25	9.88 (10.94)	8.6	4.72	9.69	4.49	1.97	1.22	4.06	0.98	0.75	2.68
4400	2	5.24	6.5	9.41	21.65	10.51 (11.57)	9.72	5.83	12.76	5.39	2.56	1.5	5.33	1.38	1.02	3.29
6600	3	5.83	8.19	9.41	22.91	12.76 (15.75)	9.92	6.3	12.44	7.13	2.36	1.69	6.5	1.93	1.26	3.86
11000	5	7.2	10.74	9.4	19.9	16.5	10.62	6.7	13.2	6.77	2.76	1.77	6.7	2.08	1.38	3.9

## FAMB/FBMB 1 SPEED & 2 SPEED HOIST, WITH 2 SPEED MOTORIZED TROLLEY

### SPECIFICATIONS - FAMB/FBMB 1 SPEED & 2 SPEED HOIST, 2 SPEED MOTORIZED TROLLEY

Model	W.L.L. (lbs)	W.L.L. (mt)	Standard Lift (ft)	Lifting Speed (ft/min) (FB) High:Low Speed		Traversing Motor Output (H.P.)	Traversing Speed (ft/min)		Min. Distance H (in) Hook : Lug	Traversing I-beam Width	Trolley Min. Radius (in)	Net Weight (lbs)			
				50Hz	60Hz		50Hz	60Hz							
FAMB-0.5	1100	0.5	10	23	27.5	0.54	[16] [65] MB type	[19] [78] MB type	27.36 (23.62)	2.95-5.91	43.31	163			
FAMB-1	2200	1	10	20	24.5				28.74 (24.61)				59.06		
FAMB-2	4400	2	10	10	12.5				35.83 (29.53)					59.06	
FAMB-3	6600	3	10	7	8				40.16 (33.86)						59.06
FAMB-5	11000	5	10	*	4.8				38.8						
FBMB-0.5	1100	0.5	10	23 / 6	27.5 / 7	27.36 (23.62)	43.31								
FBMB-1	2200	1	10	21 / 5	24.6 / 6	28.74 (24.61)		43.31							
FBMB-2	4400	2	10	10 / 1.6	12.5 / 3	35.83 (29.53)			59.06						
FBMB-3	6600	3	10	7 / 1.6	8 / 2	40.16 (33.86)				59.06					
FBMB-5	11000	5	10	*	4.8 / 1.2	38.8					78.74				

### DIMENSIONS (IN.) - FAMB/FBMB 1 SPEED & 2 SPEED HOIST, 2 SPEED MOTORIZED TROLLEY

W.L.L. (lbs)	W.L.L. (mt)	A	B	C	*D	*E	*F	G	I	*J	K	L	M	N	O	P (dia. of wheel)
1100	0.5	6.34	4.88	8.82	17.97	9.88 (10.94)	8.6	4.72	9.69	4.49	1.69	1.04	3.31	0.75	0.55	2.68
2200	1	6.69	5.04	9.41	19.25	9.88 (10.94)	8.6	4.72	9.69	4.49	1.97	1.22	4.06	0.98	0.75	2.68
4400	2	5.24	6.5	9.41	21.65	10.51 (11.57)	9.72	5.83	12.76	5.39	2.56	1.5	5.33	1.38	1.02	3.29
6600	3	5.83	8.19	9.41	22.91	12.76 (15.75)	9.92	6.3	12.44	7.13	2.36	1.69	6.5	1.93	1.26	3.86
11000	5	7.2	10.74	9.4	19.9	16.5	10.62	6.7	13.2	6.77	2.76	1.77	6.7	2.08	1.38	3.9

\* Contact the Factory for Additional Information