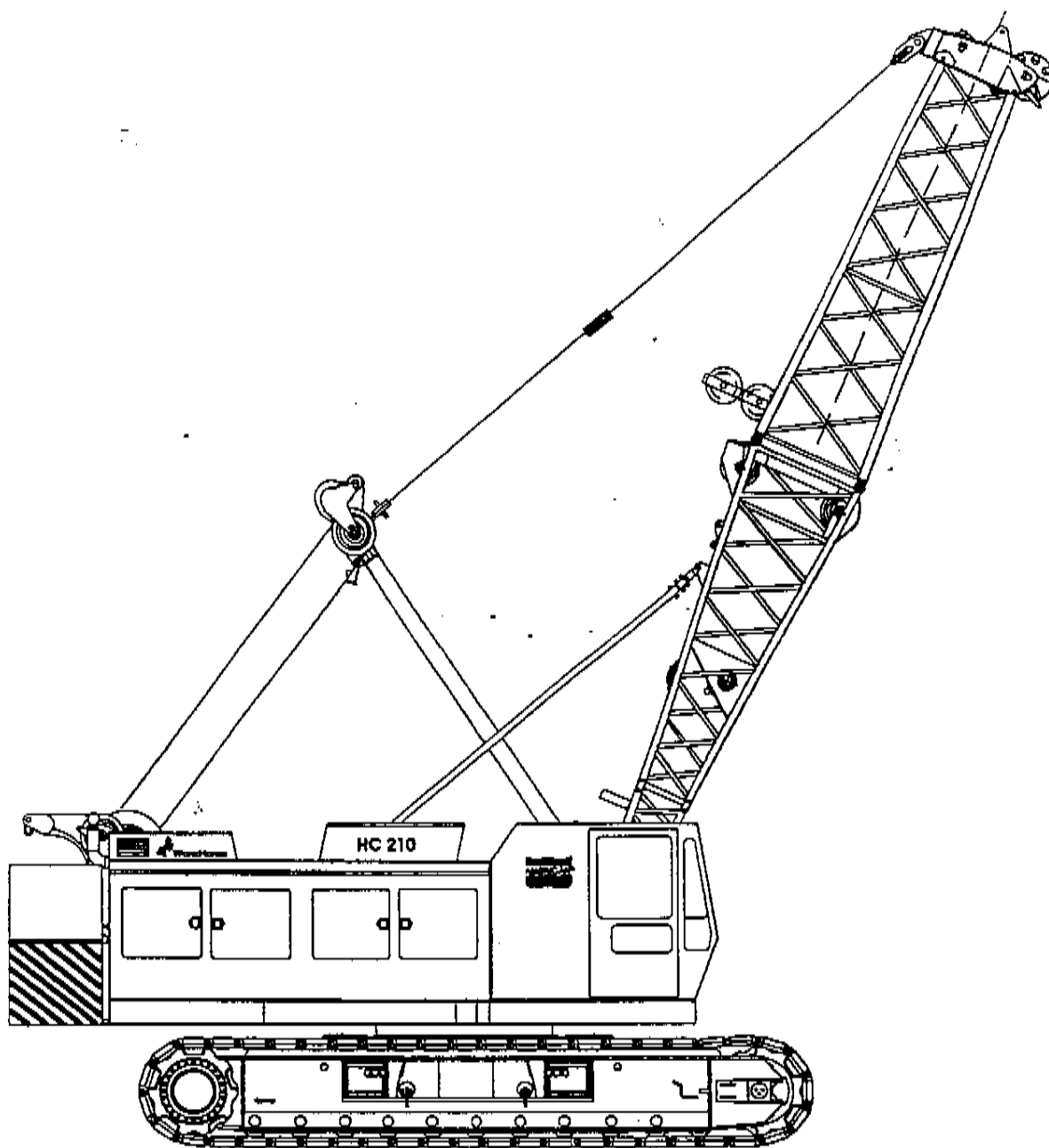




HC 185/HC 210
MACHINERY PLAN & ELEVATION

HC 185/HC 210 CRAWLER CRANE





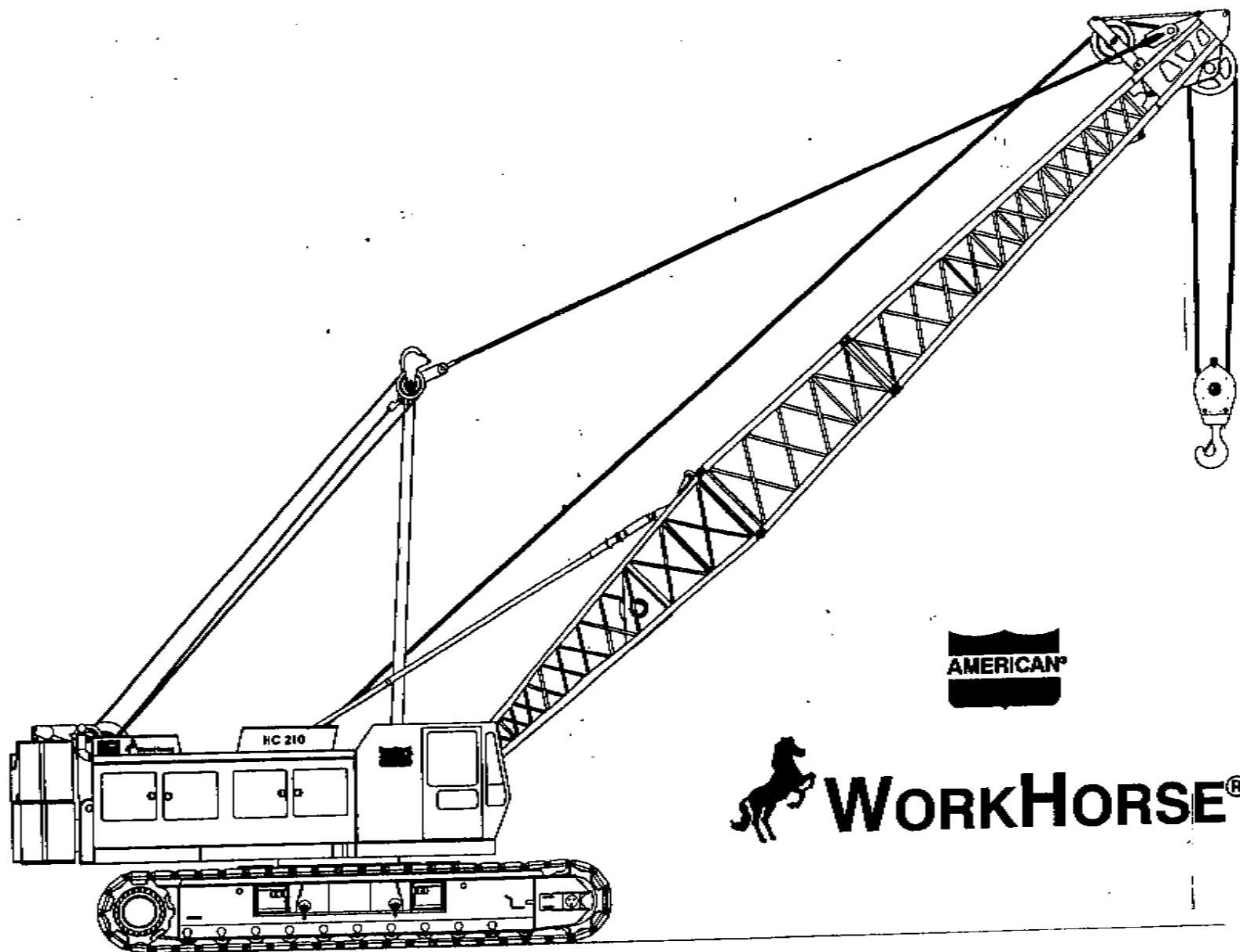
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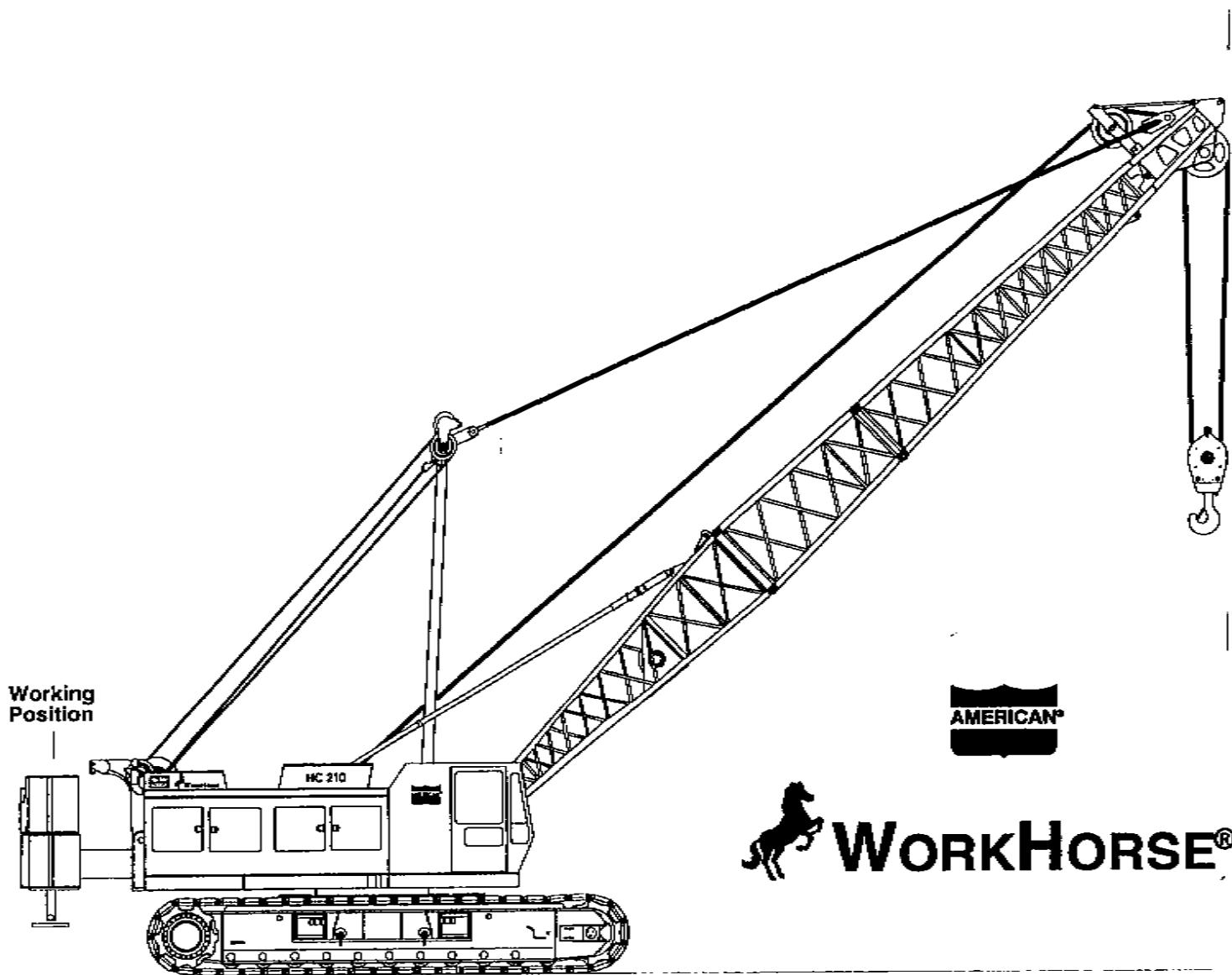
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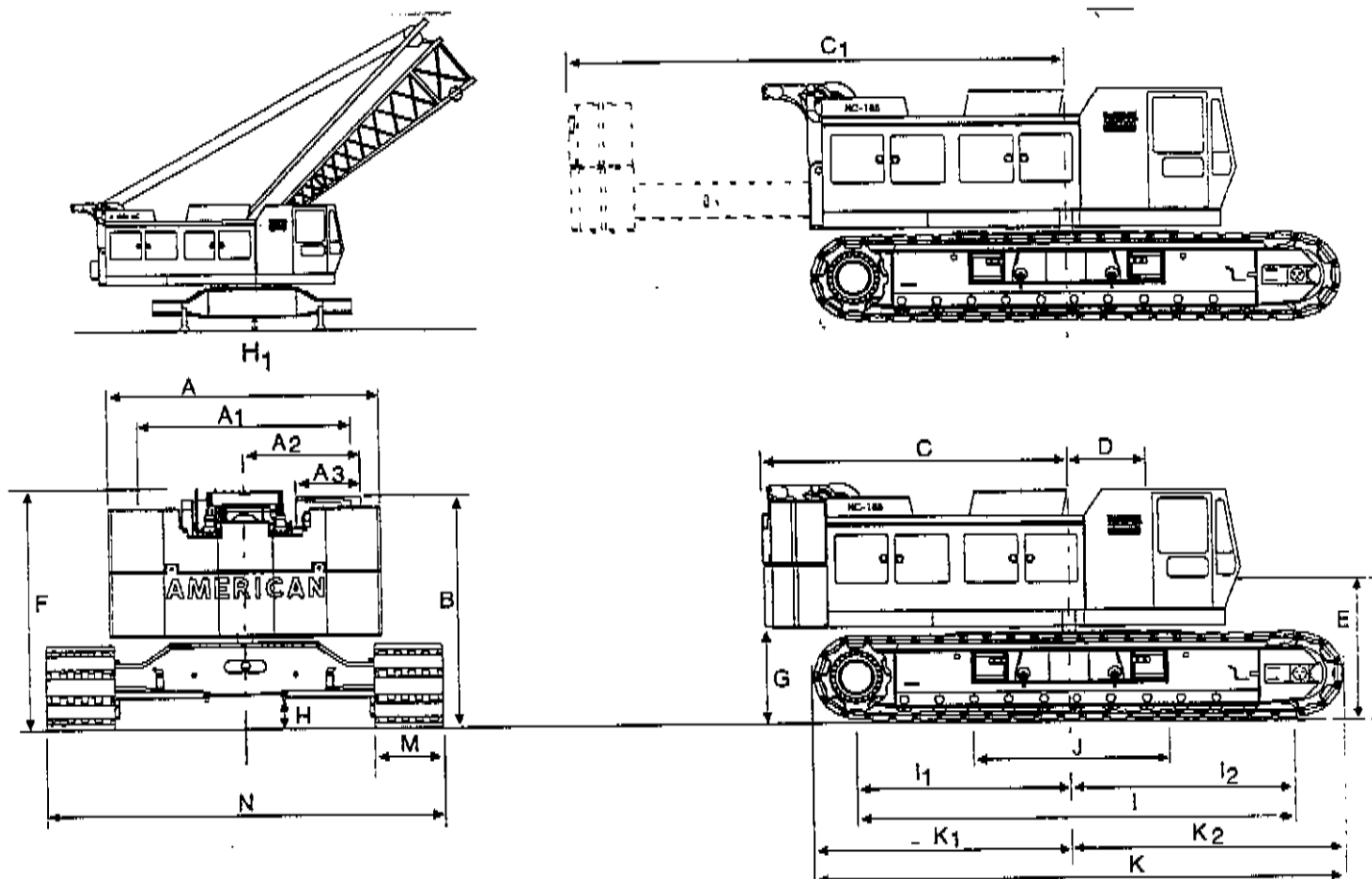
HC 185/HC 210
MACHINERY PLAN & ELEVATION





HC 185
MACHINERY PLAN & ELEVATION

HC 185 CRAWLER CRANE



HC 185 WORKHORSE GENERAL DIMENSIONS

	FT	MM		FT	MM
A Width of counterweight	14'-0"	4,267	I Center to center of crawler tumblers	24'-2 15/16"	7,389
A1 Width of machinery cab	11'-5"	3,480	I1 Center of drive tumbler to center of rotation	11'-9 1/4"	3,588
A2 Centerline of machine to outside of operator's cab	6'-0"	1,829	I2 Center of idler tumbler to center of rotation	12'-5 5/8"	3,800
A3 Width of operator's cab	3'-4"	1,016	J Width of carbody (including vertical jacks)	10'-10"	3,300
B Height over operator's cab	12'-0"	3,658	K Overall length of crawlers	28'-2"	8,585
C Tail swing w/WORKHORSE retracted	19'-3"	5,867	K1 Over drive tumbler to center of rotation	13'-7 7/8"	4,162
C1 Tail swing w/WORKHORSE extended	31'-3"	9,525	K2 Over idler tumbler to center of rotation	14'-4 5/16"	4,377
D Center rotation to boom feet	3'-6"	1,066	M Width of tread shoe (standard)	44"	1,118
E Ground to center of boom foot	6'-8"	2,032	(optional)	50"	1,270
F Height over boom hoist	12'-7 9/16"	3,850	N Overall width of crawlers		
G Ground to bottom of counterweight	4'-6 3/4"	1,391	44" (1,118 mm) shoes extended	22'-4"	6,807
H Minimum ground clearance	1'-7 1/2"	495	50" (1,270 mm) shoes extended	22'-10"	6,960
Maximum jacking height w/transport package			N1 Length of crawler axles	19'-4 3/4"	5,963
No counterweight, no side frames	3'-7"	1,092			



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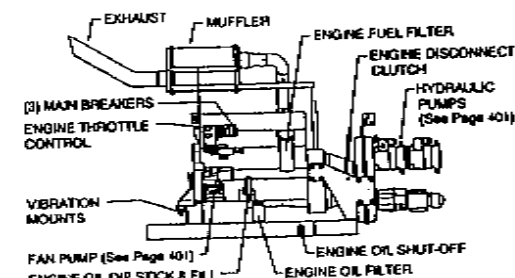
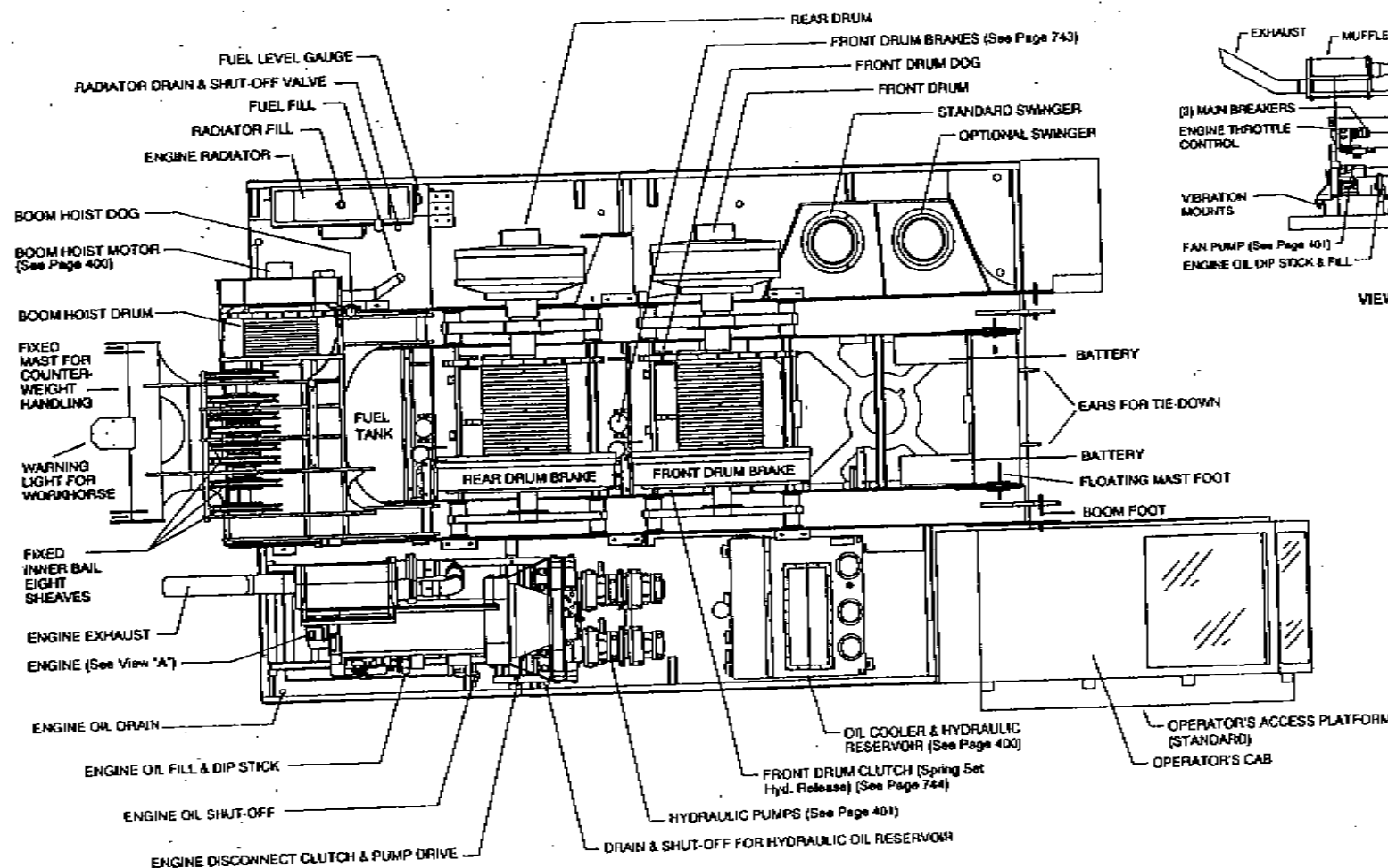
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HC 18.5/HC 210
MACHINERY PLAN & ELEVATION

MACHINERY PLAN VIEW



VIEW "A"



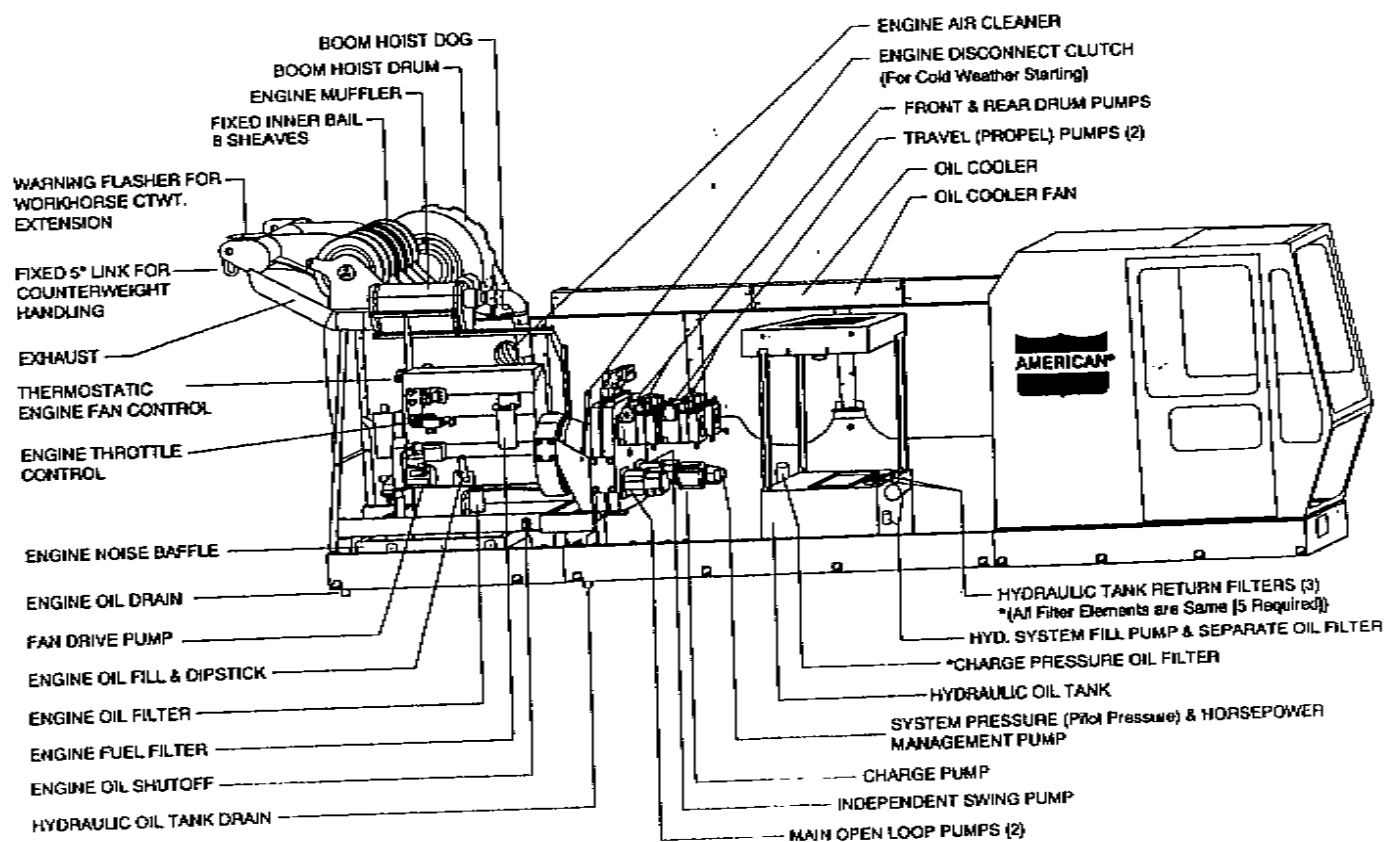
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MACHINERY PLAN & ELEVATION
HC 185/HC 210

RIGHT HAND ELEVATION VIEW





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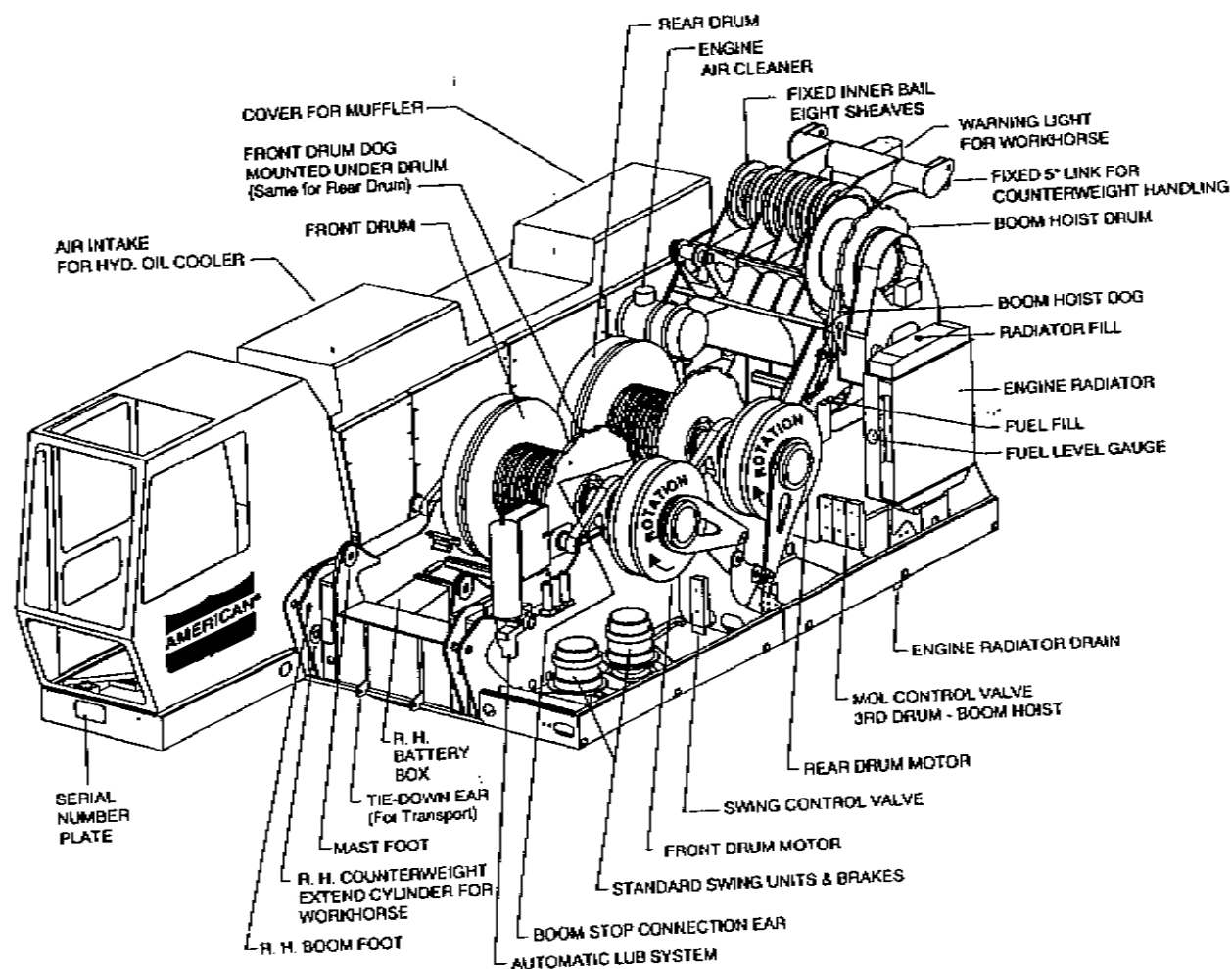
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MACHINERY PLAN & ELEVATION
HC 185/MC 210

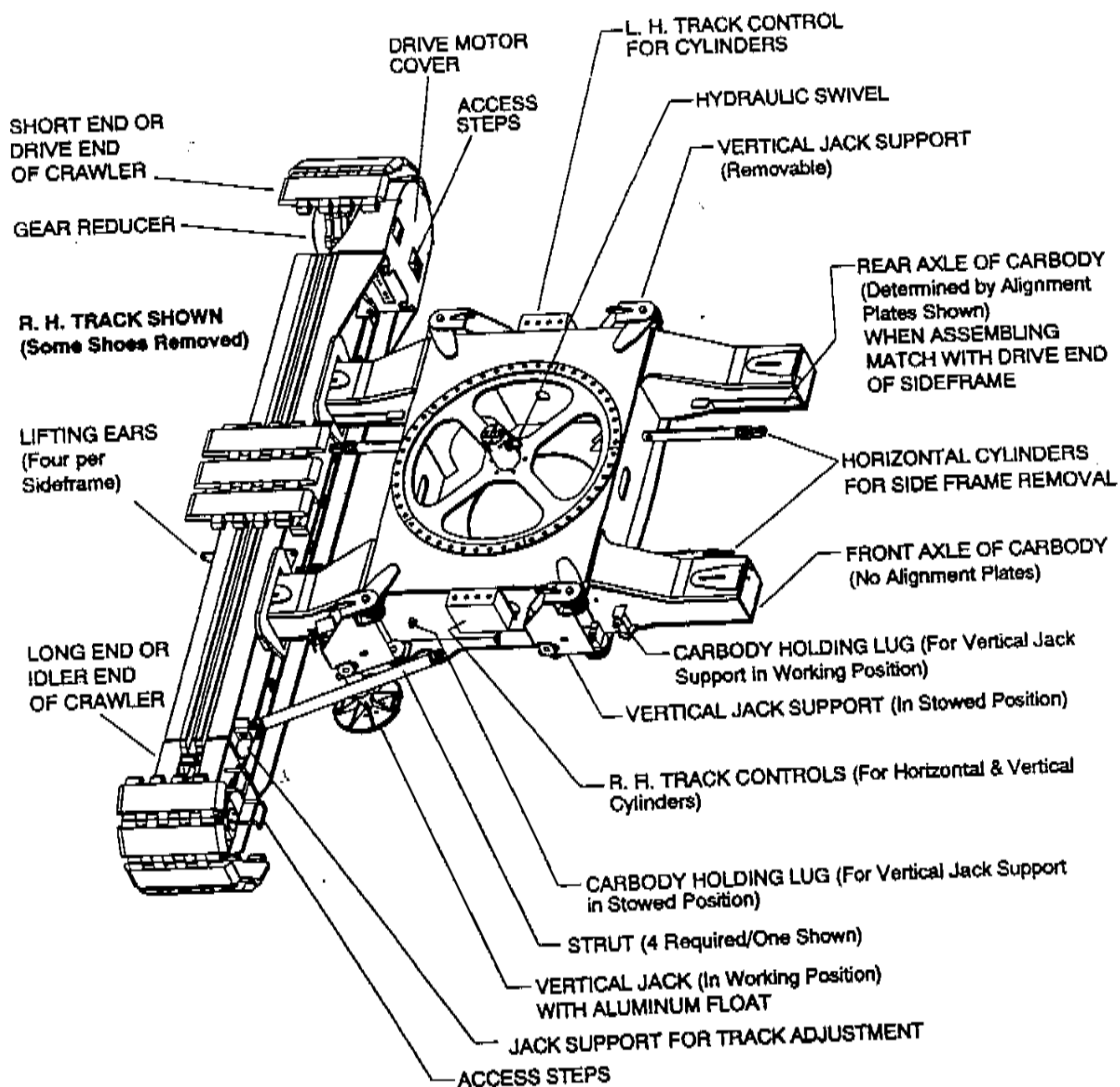
LEFT HAND ELEVATION VIEW





HC 185/HC 210
MACHINERY PLAN & ELEVATION

CRAWLER LOWER



**PERFORMANCE SPECIFICATIONS & DRUM CAPACITY****ENGINE SPEED**

High	1850 RPM
Low	1350 RPM
Idle	750 RPM

FRONT HOIST PERFORMANCE (ENGINE SPEED 1850 RPM)

	SLP (pounds) at SLS (feet per minute)	SLP (kilograms) at SLS (meters per minute)
Low Range	40,000 lbs @ 80 FPM	18,140 kg @ 24.3 MPM
Low Range Diverted	40,000 lbs @ 162 FPM	18,140 kg @ 48.5 MPM
High Range	11,000 lbs @ 170 FPM	4,990 kg @ 51.8 MPM
High Range Diverted	11,000 lbs @ 340 FPM	4,990 kg @ 103.6 MPM

FRONT HOIST NO LOAD SPEED

	(feet per minute)	(meters per minute)
Low Range	100 FPM	30 MPM
Low Range Diverted	195 FPM	59 MPM
High Range	192 FPM	58 MPM
High Range Diverted	390 FPM	118 MPM

Note: Some machines may have optional 40,000 S.L.P. on Rear Drum.

REAR HOIST PERFORMANCE (ENGINE SPEED 1850 RPM)

	SLP (pounds) at SLS (feet per minute)	SLP (kilograms) at SLS (meters per minute)
Low Range	31,000 lbs @ 90 FPM	14060 kg @ 27.5 MPM
Low Range Diverted	31,000 lbs @ 165 FPM	14060 kg @ 50 MPM
High Range	7,000 lbs @ 200 FPM	3175 kg @ 60.7 MPM
High Range Diverted	7,000 lbs @ 400 FPM	3175 kg @ 121.5 MPM

REAR HOIST NO LOAD SPEED

	(feet per minute)	(meters per minute)
Low Range	112 FPM	34 MPM
Low Range Diverted	220 FPM	67 MPM
High Range	216 FPM	66 MPM
High Range Diverted	440 FPM	134 MPM

THIRD DRUM PERFORMANCE

	SLP (pounds) at SLS (feet per minute)	SLP (kilograms) at SLS (meters per minute)
Low Range	18,000 lbs @ 270 FPM	8164 kg @ 83 MPM

BOOM HOIST SPEED (0° TO 70° BOOM ANGLE)

Low Speed	5 minutes - 53 seconds
High Speed	1 minute - 45 seconds

TRAVEL SPEED

Low Range	.3 MPH
High Range	1.5 MPH

SWING SPEED

2.84 RPM

**PERFORMANCE SPECIFICATIONS & DRUM CAPACITY****FRONT & REAR DRUM CAPACITIES**
1" DIA. ROPE

Layer	Total Rope	
	Feet	Meters
1	126.5	38.6
2	262.3	80.0
3	407.3	124.1
4	561.7	171.2
5	725.4	221.1
6	898.4	273.8
7	1,080.7	329.4
8	1,272.3	387.8
9	1,473.2	449.0
10	1,683.4	513.1
Above is recommended working layers Below is storage layers only		
11	1,903.0	580.03
12	2,131.8	649.8

FRONT & REAR DRUM CAPACITIES
1 1/8" DIA. ROPE

Layer	Total Rope	
	Feet	Meters
1	101.8	31.0
2	212.1	64.7
3	330.7	100.9
4	457.9	139.7
5	593.5	181.0
6	737.5	224.9
7	890.0	271.5
Above is recommended working layers Below is storage layers only		
8	1050.9	320.5
9	1220.3	372.2
10	1398.1	426.4

THIRD DRUM CAPACITY
3/4" DIA. ROPE

Layer	Total Rope	
	Feet	Meters
1	107.8	32.9
2	223.7	68.2
3	347.7	106.0
4	479.9	146.3
5	620.2	189.0
Above is recommended working layers Below is storage layers only		
6	768.6	234.3
7	925.1	282.0



HC 185 HYDRAULIC CRAWLER CRANE GENERAL SPECIFICATIONS

WEIGHTS

	LBS.	KG.
Lifting Crane with standard counterweight 50' (15.2 mm) boom with hammerhead tip, transport package, 3rd drum and 44" (965 mm) shoes	265,860	120,626
Counterweight Including:		
Basic with 2-removal cylinders	37,280	16,915
Overlay	35,000	15,880
Crawler side frame counterweight	16,000	7,258
Crane boom outer hammerhead (six sheave)	4,970	2,255
Crane boom outer base	2,390	1,085
Crane boom inner, misc. and 3rd drum	8,015	3,636
Crawler side frames 44" (1,118 mm) shoes	76,160	34,545
Travel weight includes upper, carbody, transportation package, boom inner, counterweight handling sheaves and 3rd drum	94,060	42,676
Travel weight includes upper, carbody, but NO boom inner, transport package, 3rd drum	84,045	38,132