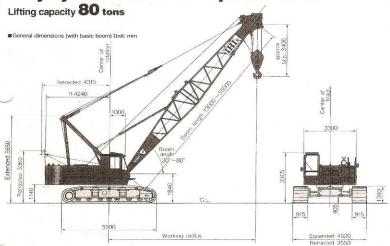


Fully Hydraulic Crawler—Spanner Crane



The world is our stage. IHI Technology-on land or sea.

DCH800: a muscular crawler crane, the kind of machine that can be equipped with the proper attachments and used at nearly any foundation or digging job at most construction sites. This hard-worker does equally well on land or water-excellent for the heavy construction needed for harbors, for example.

The superstructure is equipped with a latice boom that uses an independently arranged two-drum-on-a-single-shaft (DOUBLE WING) system with a maximum lifting capacity of 80 tons and a drum winding speed of 70 meters per minute. And the big diesel puts out 230ps, maximum, at 2,100 rpm.

Operations are 100% hydraulic, to take full advantage of the power of this machine. Further, hydraulic spanner crawlers are used to provide the safe stability operators want when working. And its turning radius is a mere 4.24 meters, a definite improvement.

The crawler frame itself is a compact as possible, and can be transported with a trailer

Heavy equipment benefits from the application of IHI technology: Witness the multi-purpose, multi-use, fully hydraulic DCH800 crawler crane.

Performance						
Swing speed	3.0 rpm					
Travel speed	'1.5km/h					
Gradeability	40% (22°)					
Operation system						
Power source	Hydraulic					
Transmission system	Hydraulic					
Drum type	Independent two drum on single shaft (DOUBLE WING)					
Swing system	Swing bearing					
Hydraulic pump	Variable displacement axial plunger pump×3 Gear pump×1					
Engine						
Model	Fino EP100T					
Type	4 cycle, water cooled Direct injection diesel					
Cylinder bore stroke	6-120mm×130mm					
Total displacement	8.8211					
Rated output	230PS/2100rpm					
Max. torque	71kg+m/1400rpm					
Rated fuel consumption rate	172g/PS+h					
Fuel tank capacity	3501					

NOTE: Speeds change with load level.



Specifications

Maximum	lifting load×working radius	80ton×3.7m			
Basic boon	n length	13.0 m			
Max. boom	length	55.0m			
Max. lengt	h of boom + fly jib	62.0m (46.0m + 16.0m)			
Max. lengt Rope speed	Boom holsting and lowering	*68 m/min High speed 70 m/min, Low speed 35 m/min			
	Load hoisting and lowering				
speed	Jib load hoisting and lowering	High speed 70m/min, Low speed 35m/min			
	Boom hoisting	12-part lines			
"art lines	80ton hook	8-part lines			
4 80 0 0	10ton hook	10 10 10 10 10 10 10 10			
Counterweight		23.0 tons			
Crane tota (with 13m l	weight soom and 80 ton hook block)	78.8tons (Basic Boom)			
Average qu	ound bearing pressure	0.76 kg/cm ²			

NOTE: Speeds change with load level.

Place of use	Rope diameter (mm)	Guaranteed strength (t)	Rope type		
Main hoisting	φ26	49.9	C		
Boom hoisting	φ20	30.0	C		
Boom suspension	640	120.0	C		
Aux hoisting	ø26	49.9	C		
lib boom suspension	ø28	59.3	E		
lib strut suspension	628	59.3	Е		

NOTE: Rope type

C ···· 6×Fi (29) IWRC, preformed, regular Z lay.

E ···· 6×Fi (29) IWRC, preformed, regular Z lay.

MRated lifting loads (William 1903 of Imprintal loads for some standing factor over 1.15)

Working Radius	1.00	Boom length (m)													
(m)	13.0	16.0	19.0	22.0	25.0	28.0	31.0	34.0	37.0	40.0	43.0	46.0	49.0	52.0	55.0
3.7	80.0														
4.0	75.0														
4.5	70.5	64.0													-
5.0	58.8	58.6	56.0												2.000
5.5	50.3	50.2	50.1	50.0				11205							
6.0	43.9	43.8	43.7	43.6	43.5		leogranus.								
7.0	35.0	34.8	34.7	34.6	34.5	34.4	34.3								
8.0	28.9	28.8	28.7	28.6	28.5	28.4	28.3	28.2	28.1						1 141
9.0	24.6	24.5	24.4	24.3	24.2	24.1	24.0	23.9	23.8	23.7	23.5				
10.0	21.4	21.3	21.2	21.1	21.0	20.9	20.8	20.7	20.6	20.5	20.4	19.0	17.2		
12.0	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1	16.0	15.9	15.8	15.7	14.9	12.7	
14.0		13.6	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.8	12.7	12.6	12.5	10.7	9.6
16.0	n-	10.5	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4	9.5	8.3
18.0				9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.5	7.3
20.0				8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	6.4
22.0				Control Village	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	5.5
24.0						6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	4.8
26.0					-		5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.2
28.0				anne mod				4.8	4.7	4.6	4.5	4.4	4.3	4.2	3.6
30.0								4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.2
32.0									3.8	3.7	3.6	3.5	3.4	3.3	2.6
34.0		1000					- 000			3.3	3.2	3.1	3.0	2.9	2.2
36.0	S										2.8	2.7	2.6	2.5	1.8
38.0											2.5	2.4	2.3	2.1	1.4

- I. The weight of the sling, hook and auxiliary
- 1. The weight of the alims, hook and auxiliary. Elting denotes are considered a part of the hoad:

 Main larek 60 for hook block 1,100 kg. Main hook 50 for hook block 700 kg. Main hook 50 for hook block 400 kg. In hook 1,00 for hook block 400 kg. In hook 1,00 for hook block 400 kg. In hook 1,00 kg. In hook 1,00
- 600kg 1.700kg 2,100kg 2,500kg

15.0 m sib boom

- 3. Recommended hold calle partiti

 For leads which like. For loads ration: Use:
 For leads which like. For loads ration: Use:
 Dates——2 part like. Gloss 6 part like.
 Dates——3 part like. Gloss 6 part like.
 Dates—1 part like. Gloss 6 part like.
 Dates—1 part like. Gloss 6 part like.
 Dates—1 part like.
 Dates—1 part like. Gloss—1 part like.
 Dates—1 part like.

- 6. The allowable load when lifting by a jib at a The alternable fact when Illing by a 16 at a radius less the contex of relations of the machine in the status less that may be illied by the warb hoom teath the boose lineared to that tradius, but is not be occeed the fact tradius, but is not be occeed the fact tradius, but is not be occeed the following:

 | Ib length | tm | Dem | 12 ns | 16 ns | 16 ns | 15 ms | 16 ns | 1
- The angle formed by the extended center line of the main hoom and the centerline of the jib should not exceed 3.7" when a load is lifted.