

# TECHNICAL SPECIFICATIONS OF ONHYM DRILLING RIG IDECO H1700 MODEL

Item	Description		
1	<b>RIG NAME</b>	IDECO	
2	<b>RIG TYPE</b>	H1700	
3	<b>AVERAGE FUEL CONSUMPTION</b>	3,5 - 4,5	M3/DAY
4	<b>AVERAGE OIL LUBRICANT CONSUMPTION IN DRILLING OPERATIONS</b>	40	KG/DAY
5	<b>YEAR OF RIG DELIVRY</b>	1977	
6	<b>TRUCK TRIPS REQUIRED FOR MOVING</b>	72	
7	<b>MAXIMUM DRILLING DEPTH CAPACITY</b>	17000	ft
8	<b>POWER PLANT</b>		
		CATERPILLAR	
		D398- B-TAC	
	Diesel Engines	5	
	Maximum continuous power	5x777	HP
	at rotation speed	1200	RPM
	Converters	National	
		C300-64	
	AC generators	CATERPILLAR	
		3304	
		3	
	maximum continuous power	3x100	KVA
	outpout volts	220/380	V
	frequency	50	Hz
9	<b>MAST</b>		
		IDECO	
		FM 143-24'-650	
	total height from rig floor level	143	ft
	total height from ground level	161	ft
	API static hook load capacity	750.000	lbs
	with max number of lines	12	
	<b>racking capacity of</b>		
	5" OD drill pipes	14.760	ft
	4"1/2 OD drill pipe	17.280	ft
	3"1/2 OD drill pipe	27.000	ft
10	<b>SUBSTRUCTURE</b>		
	Two Mast Box-type substructures (height)	10,5	ft
	Two Engines Box-type substructures (height)	7,5	ft
	Total substructures height	18	ft
11	<b>CROWN BLOCK</b>		
	sheaves (NoxOD)	6x50"	Noxinch
	sheaves grooved for OD line	1"1/4	inch
12	<b>HOOK BLOCK (TRAVELING BLOCK)</b>		
		IDECO	
		UTB	
	API rated capacity	360	mton
	sheaves	6	
	sheaves grooved for OD line	1" 1/4	inch
13	<b>SWIVEL</b>		
		IDECO	
		TL400	
	rated capacity	400	mton
14	<b>DEAD LINE ANCHOR</b>		
		NATIONAL	
		EB	
	for OD drilling line	1"1/4	inch
15	<b>DRAWWORKS</b>		
		IDECO	
		H1700	

	Hoisting drum size (ODxL)	28"x50"	inch x inch
	hoisting drum grooved x OD line	yesx1" 1/4	inch
	Rims	52"x10"3/4	ODxWidth
	make up cathead	American 55 MUA	
	break out cathead	American 55 BOA	
	electrical brake	BAYLORx6032	
	torque capacity at 50 RPM		ft.lbs
	sandline drum capacity	9"/16 - 15.800	ft
	crown o matic device	Koomey	
16	<b>MUD SYSTEM</b>		
	<b>Mud Pumps (Triplex)</b>	National 10P130	
		2	
	Max liner size	6" 1/4	inch
	Max HP	1300	HP
	<b>Pulsation Dampener</b>	Hydril K20-5000	
	<b>Surcharging pump</b>	BJ 5x6	
	<b>Mud tanks</b>	5 6000	cu.ft
	<b>Three one skid mounted water storage</b>	2118	cu.ft
	<b>Shale shaker</b>	SWACO	
	<b>Mud dessander</b>	SWACO	
	<b>Mud cleaner</b>	BRANDT	
	<b>Horizontal degasser</b>	SWACO	
	<b>Mud mixing pump</b>	MISSION	