

Ideco 1200HP Drilling Rig Package Inventory and Specs



Key Data

Rig Type	Mechanical
Nominal Drilling Cap. With 5"-19.5#/ft D.P.	12,000 ft (3650m)
With 3.1/2"-15.5#/ft D.P.	15,000 ft (4600m)
Workover Cap. With 2.7/8"-10.4#/ft D.P.	12,500 ft
Well Servicing with 2.7/8"-8.7#/ft EUE Tubing	27,000 ft
Drawworks Nominal Power	1200 HP
Max. Static Hook Load (with 10 lines)	570,000 LBS

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Main Components

1) Mast

MAST MAKE-TYPE	3	3
BUILT AS PER API STANDARD	NO	API 4-F
CLEAR HEIGHT OF MAST.	M	41,4
USE SINGLE-DOUBLE TRIPLE LENGHT.	:	TRIPLE
MAXIMUM API RATED STATIC HOOK LOAD WITH FULL SETBACK LOAD, WIND LOAD OF 115 KM/H AND MAX. NUMBER OF LINE STRUNG.	MTON	260
MAX.LINES STRUNG ON TRAVELLING BLOCK	NO	10
UPPER PART OF MAST PAINTED FOR DAY SIGNALLING TO AIR- NAVIGATION	YES/NO	YES
RED LIGHTS AS PER REGULATION ON TOP OF MAST	YES/NO	YES

2) Racking Platform

RACKING PLATFORM MAKE-TYPE	:	
RACKING PLATFORM CAPACITY OF 5" D.P	M	4000
RACKING PLATFORM CAPACITY OF 6.1/2"D.C	M	300
RACKING PLATFORM CAPACITY X D.P RANGE.	IN-IN	5" AND 3"1/2
RACKING PLATFORM CAPACITY X D.C RANGE.	IN-IN	8" – 6"1/2 – 4"3/4
HEIGHT FROM RIG FLOOR	M	26
DERRICKMAN WIND BREAKS	YES/NO	YES
WIND BREAKS TYPE AND HEIGHT	M	YES
DERRICKMAN ESCAPE DEVICE	YES/NO	YES
CASING STABBING BOARD MAKE-TYPE	:	
STABBING BOARD ADJUSTABLE FROM TO	M-M	6 : 12

Main Components

3) Substructure

SUBSTRUCTURE MAKE-TYPE	:	
SUBSTRUCTURE BUILT AS PER API STANDARD	NO	API 4-F
API RATED SETBACK LOAD CAPACITY	MTON	203
API RATED ROTARY LOAD CAPACITY	MTON	272
API RATED SIMULTANEOUSLY LOAD CAPACITY OF SETBACK AND ROTARY	MTON	475

4) Rig Floor

RIG FLOOR DIMENSIONS	M-M	6,2 X 6,5
RIG FLOOR HEIGHT FROM GROUND LEVEL	M	6,7
CLEAR HEIGHT BETWEEN ROTARY BEAMS AND GROUND LEVEL	M	5,4
DRILLER'S DOG HOSE		
DIMENSIONS L-W-H	MT 6 X 2,4 X	2,4

5) Crown Block

MAKE AND TYPE	:	
BUILT AS PER ISO	NO	API 8-A
RATED LOAD CAPACITY	MTON	285
SHEAVES NUMBER AND OUTSIDE DIAMETER	NO-IN	1 X 50; 5 X 42
SHEAVES FOR O.D. WIRE LINE	IN	1"1/4

6) Travelling Block

MAKE AND TYPE	:	GARDNER DENVER
BUILT AS PER ISO	NO	API 8-A
RATED LOAD CAPACITY	MTON	272
SHEAVES NUMBER AND OUTSIDE DIAMETER	NO-IN	5 X 42
SHEAVES FOR O.D. WIRE LINE	IN	1"1/4

Main Components

7) Hook Block

MAKE AND TYPE	:	BJ UNIMATIC 6250
BUILT AS PER ISO	NO	API 8-A
RATED LOAD CAPACITY	MTON	225

8) Swivel head

MAKE AND TYPE	:	IDECO OR EQUIVALENT
BUILT AS PER ISO	NO	API 8-C
STATIC RATED CAPACITY	MTON	315
RATED WORKING PRESSURE	PSI	5000
COMPLETE WITH ACCESS FITTING FOR WIRE LINE	IN	3"

9) Rig Storage Capacity

DIESEL FUEL		
DIESEL FUEL TOTAL STORAGE TANK CAPACITY	M ³	23,48 MC
DIESEL FUEL STORAGE TANKS QUANTITY	NR	1 + 1
DIESEL FUEL STORAGE TANK CAPACITY OF EACH	M ³	20,48 + 3,00 MC
DIESEL FUEL STORAGE TANK TO BE USED WITH MUD CAPACITY	M ³	3 MC
DIESEL FUEL DAY-TANK CAPACITY M3 2	M ³	2
DIESEL FUEL TRANSFER PUMPS	NR	CENTRIFUGAL
DRILLING WATER		
DRILLING WATER TOTAL CAPACITY	M ³	50
TANKS QUANTITY		1
DRILL WATER TRANSFER PUMP		1
TYPE		CENTRIFUGAL

Main Components

LIQUID MUM		
LIQUID MUD TOTAL CAPACITY	M ³	240
TANKS DIMENSIONS AND NUMBER MIGHT CHANGE AS THE RIG OWNER DOES NOT HAVE A MUD TANK SYSTEM		
LIQUID MUD TANK QUANTITY	NO	3
DESANDER	Y/N	YES
DESILTER	Y/N	YES
DEGASSER	Y/N	YES
MUD MIXING UNIT	Y/N	YES
PIPE RACK		
PIPE RACK CAPACITY		300

10) Rig Power Plant

1) ELECTRICAL POWER FOR 3RD PARTY EQUIPMENT

FOR MUD LOGGING UNIT		
POWER AVAILABLE	KVA	15
OUTPUT VOLTAGE	V	220
OUTPUT AMPERE	A	20

2) POWER GENERATOR SYSTEM

DIESEL ENGINE		
DIESEL ENGINE QUANTITY NO 3	NO	3
MAKE TYPE	:	GM 12 V 71 M
DIESEL ENGINE MUFFLERS W.SPARK ARRESTOR	YES/NO	YES
MUFFLERS	TYPE	TYPE COWL

Main Components

11) Rig Air Service

AIR COMPRESSOR ELECTRICAL DRIVEN		
QUANTITY NO 2	NO	2
MAKE-TYPE	:	CF 510/CE
DRIVEN BY MOTOR POWER	HP	10
MAX.FLOW RATE CAPACITY	M ³ /MIN	3
MAX.SERVICE PRESSURE	KG/CM ²	10
AIR COMPRESSOR DIESEL DRIVEN		
QUANTITY	NO	1
MAKE-TYPE	:	G.D
DRIVEN BY MOTOR POWER	HP	Compound
MAX.FLOW RATE CAPACITY	M ³ /MIN	1,4
MAX.SERVICE PRESSURE	KG/CM ²	10
AIR VESSEL		
QUANTITY	NO	6
AIR VESSEL CAPACITY OF EACH	M ³	0,5
AIR VESSEL LOCATION	:	ON SUBSTRUCTURE

12) Drawworks and Accessories

DRAWWORKS		
MAKE-TYPE	:	BD 1200
RATED INPUT POWER	HP	1200
MAIN DRUM RATED PULL CAPACITY	MTON	26,8
MAIN DRUM BRAKE TYPE (BAND OR DISC)	:	BAND
MAKE UP CATHEAD MAKE-TYPE	:	FOSTER 37 AH
BREAK OUT CATHEAD MAKE-TYPE	:	FOSTER 24 AH

Main Components

DRAWWORKS AUXILIARY BRAKE		
MAKE TYPE	:	PARMAC MOD 342 A
RATED BRAKE CAPACITY AT 50 RPM	KG.M	480
DRAWWORKS SAFETY DEVICE	HP	CF 510/CE
CROWN BLOCK SAFETY DEVICE PROTECTION	YES/NO	CROWN-O-MATIC
ADDITIONAL CROWN BLOCK SAFETY DEVICE PROTECTION (TRAVELING BLOCK LIMIT SWITCH)	YES/NO	YES
CROWN SAFETY DEVICE C/WITH ALARMS	YES/NO	YES
DRAWWORKS DRILLING MOTORS		
QUANTITY INSTALLED NO 3	NO	3
MAKE AND TYPE : GM 12 V 71 N	:	GM 12 V 71 N
MAX OUTPUT POWER HP 370	HP	370
PRESSURIZED COOLING AER INTAKE POINT	:	OUT OF HAZARDOUS AREA
SPARK ARRESTORS	:	YES
DEAD LINE ANCHOR		
DEAD LINE ANCHOR MAKE AND TYPE	:	NATIONAL EB
BUILT AS PER ISO	NO	API 8-C
RATED LOAD CAPACITY	MTON	34
SENSOR TYPE	:	E80
LOCATION	:	SUBSTRUCTURE
DRILLING LINE		
SIZE AND LENGTH	IN-	1"1/4 8200 FT (CAPACITY OF REEL)
BREAKING STRENGTH	MTON	71
BUILT AS PER API STANDARD	NO	API 9-A

Main Components

13) Rotation Equipment System

1) ROTARY TABLE & ACCESSORIES

ROTARY TABLE		
MAKE AND TYPE	:	IDECO 275
API RATED LOAD CAPACITY	MTON	323
MINIMUM OPENING	IN	27"1/2
DRIVEN BY MOTOR OR DRAWWORKS	:	DRAWWORKS
MASTER BUSHING		
MAKE AND TYPE	:	VARCO MSS
API INSERT BOWL SIZE	NO	RANGE 2"3/8 ÷ 8"5/8
KELLY BUSHING		
MAKE AND TYPE	:	VARCO HDP
FOR KELLY SHAPE AND SIZE		HEX 5"1/4
API INSERT BOWL SIZE	NO	RANGE 2"3/8 ÷ 8"5/8
ROTARY TABLE ANTISLIPPING PAD		
MAKE AND TYPE	:	CUSTOM SAFETY PRODUCTS

14) Rig Floor Tools

COUNTERBALANCE SYSTEM FOR MANUAL TONGS		
QUANTITY	NO	2
AIR POWERED	YES/NO	MECHANIC
SPINNING WRENCH		
MAKE AND TYPE	:	VARCO SSW-10
FOR O.D.TOOL-JOINTS	IN	3"1/2 AND 5"
OTHER RIG FLOOR EQUIPMENT		
MOUSE HOLE SIZE	IN	12"1/4
RAT HOLE SIZE	IN	8"1/2
MUD SAVER BUCKET FOR OD DRILL PIPES	YES/NO	YES
MUD SAVER BUCKET FOR OD DRILL PIPES	IN	5" – 3"1/2

Main Components

15) Utility Hoist Equipment

RIG FLOOR HOIST WINCH			
QUANTITY	NO	1	1
MAKE AND TYPE	:	I.R. LS 5000	I.R.
HYDRAULIC OR AIR OPERATED TYPE	:	AIR OPERATED	AIR OPERATED
RATED PULL CAPACITY	MTON	4000	1300
COMPLETE WITH SAFETY GUARD	YES/NO	YES	YES
COMPLETE WITH SAFETY LIMIT SWITCH	YES/NO	YES	YES
CERTIFIED AS PER LOCAL REGULATION	YES/NO	YES	YES
BOP HANDLING SYSTEM INSIDE THE SUBSTRUCTURE			
MAKE AND TYPE	:	HDI Trolley	
ELECTRIC OR HYDRAULIC DRIVEN	:	Manual	
RATED HOIST CAPACITY	MTON	30 TONS	
MAX.HORIZONTAL TRAVELING STROKE	M	6	

16) Mud Circulation System

1) HIGH PRESSURE MUD PUMPS

H.P. MUD PUMPS			
TOTAL INSTALLED	NO	M. P.NO.1	M. P.NO.2
MAKE	:	NATIONAL	NATIONAL
TYPE	:	TRIPLEX	TRIPLEX
MAX RATED INPUT POWER	HP	1000	1000
FLUID END TYPE : FORGED FORGED	:	FORGED	FORGED
FLUID END TYPE WORKING PRESSURE	PSI	5000	5000
PULSATION DUMPENER MAKE	:	HYDRIL	HYDRIL
PULSATION DUMPENER TYPE	:	K 20	K 20
PULSATION DUMPENER WORKING PRESSURE	PSI	5000	5000
RESET RELIEF VALVE MAKE	:	HARRISBURG	HARRISBURG

Main Components

MUD PUMP DRIVING MOTORS			
QUANTITY EACH MUD PUMP	NO	1	1
MOTOR MAKE	:	GM	NATIONAL
MOTOR TYPE	:	16 V 149 T	16 V 149 T
MOTOR RATED CONTINUOUS POWER	HP	1100	1100
MUD PUMP SURCHARGING PUMP			
QUANTITY EACH MUD PUMP	NO	1	
MAKE AND TYPE	:	MISSION 5 X 6	
IMPELLER DIAMETER	IN	10	
PACKING SEAL TYPE	:	W/AUTOM. LUBRIFICATION	
DRIVEN BY MOTOR POWER	HP	MUD PUMP	
MUD PUMP SUCTION LINES			
QUANTITY	NO	2	
SUCTION LINE O.D.	IN	10	
MUD PUMP SUCTION FILTERS			
QUANTITY	NO	2	
MAKE AND TYPE	:	SUCTION MUD SCREEN	
MUD PUMP DISCHARGE LINE FILTERS			
QUANTITY	NO	2	
TYPE	:	STRAINER	
MUD PUMP DISCHARGE LINES FLEXIBLE SECTION			
QUANTITY	NO	2	
INSIDE DIAMTER	IN	3"1/2	
RATED WORKING PRESSURE	PSI	4000	

Main Components

MUD PUMP DISCHARGE LINES RIGID SECTION		
QUANTITY	NO	2
INSIDE DIAMTER	IN	4"
RATED WORKING PRESSURE	PSI	5000
RIG FLOOR MUD MANIFOLD		
ALL CONNECTION ENDS	TYPE	WELDED
MUD MANIFOLD VALVES QUANTITY	NO	9
MUD MANIFOLD VALVES MAKE-TYPE	:	BAKER
VALVES SIZE AND WORK.PRESSURE	IN-PSI	4" 5000
BLEED OFF VALVE SIZE	IN-PSI	2" 5000
BLEED OFF VALVE TYPE	:	NEEDLE
CONNECTION PROVISION FOR MUD		
LOGGING UNIT PRESSURE SENSOR	YES/NO	YES
EXCLUSION VALVE SIZE	IN-PSI	2" 5000
CONNECTION PROVISION FOR MWD SENSOR	YES/NO	2" 5000
EXCLUSION VALVE SIZE	IN-PSI	2" 5000
CASING FILL-UP VALVE SIZE	IN-PSI	3" FROM LP MUD SYSTEM
STAND PIPE ASSEMBLY RIGID SECTION		
STAND PIPE QUANTITY	NO	2
INSIDE DIAMTER	IN	4
RATED WORKING PRESSURE	PSI	5000
BUILT AS PER API SPECIFICATION	:	API 5L
ROTARY HOSES		
QUANTITY	NO	1
INSIDE DIAMTER AND LENGTH	IN-M	3"1/2 X 75'
RATED WORKING PRESSURE	PSI	5000
BUILT AS PER API SPECIFICATION	NO	API 7K GR D

Main Components

SHALE SHAKERS PRIMARY		
QUANTITY INSTALLED NO 1	NO	1
MAKE AND TYPE	:	BRANDT ATL 1000 – LINEAR MOT
SCREEN AVAILABLE MAKE	:	BRANDT
SCREEN AVAILABLE TYPE	:	S + BLS

17) Lines for Cementing Jobs

HIGH PRESSURE CEMENTING LINES		
H.P. FIXED LINE CONNECTING CEMENT UNIT WITH RIG FLOOR QUANTITY	NO	1
INSIDE DIAMETER AND W.P.	IN-PSI	2" – 10000
END CONNECTION TYPE	:	WECO UNION FIG 1502

18) Down Hole Tubular Material

1) KELLIES

KELLIES		
KELLIES	NO	1
SHAPE	TYPE	HEXAGONAL
NOMINAL SIZE	IN	5 ¼' X 2 ¼"
TOTAL LENGTH	FT	40
UPPER KELLY COCK		
FOR KELLY SIZE	IN	1 PC - 5 ¼"
LOWER KELLY COCK		
FOR DP CONNECTION	TYPE	1 PC - NC50
MAKE		TIW
TYPE		KC
OUTSIDE DIAM.	IN	6 5/8
INSIDE DIAM	IN	2 ¾" '
WORKING PRESSURE	PSI	10000

Main Components

19) Pipe (DP) Handling Tools

LINK ELEVATOR			
SIZE	IN	2 3/8" - 108	2 3/4" - 132
QUANTITY		1 SET	1 SET
RATED LOAD CTY	TON	315	315
DRILL PIPE ELEVATORS			
QUANTITY	NO	1	1
MAKE		VARCO BY OR EQUIVALENT	VARCO BY OR EQUIVALENT
TYPE		MGG	RG
FOR OD DRILL PIPES	IN	5"	3 1/2"
MAX. RATING LOAD CAPACITY	TON	225	135
DRILL PIPE MANUAL SLIPS			
QUANTITY	NO	1	1
MAKE		VARCO BY OR EQUIVALENT	VARCO BY OR EQUIVALENT
TYPE		SDML	SDML
FOR OD DRILL PIPES	IN	5"	3 1/2"

20) Instrumentation

1) INSTRUMENTATION AT DRILLER'S CONSOLE

WEIGHT INDICATOR		
MAKE		MARTIN DECKER
TYPE		METRIC
WEIGHT INDICATOR SENSOR TYPE		E

Main Components

STAND PIPE PRESSURE GAUGES		
QUANTITY		1
MAKE		MARTIN DECKER
TYPE		H6D
PRESSURE RANGE INDICATOR		0 - 350
STAND PIPE PRESSURE TRANSDUCERS		
QUANTITY	NO	1
MAKE		MARTIN DECKER
TYPE	TYPE	HYDRAULIC
PRESSURE RANGE INDICATOR		0 - 350
TONGS PULL INDICATOR		
MAKE		MARTIN DECKER
TYPE		ANALOGIC
PULL INDICATOR SENSOR	TYPE	H6A
MAX. RATED LOAD	KG	7000
MUD PUMP STROKE COUNTER INDICATOR		
QUANTITY	NO	1 FOR EACH PUMP
MAKE		BINDING
TYPE		9100
SPM INDICATOR SENSOR		DIGITAL
MUD PUMP STROKE TOTALIZER		
QUANTITY	NO	1 FOR EACH PUMP
MAKE		BINDING 9100
TYPE	TYPE	DIGITAL

Main Components

21) Barracks

CONTRACTOR'S OFFICE		
QUANTITY	NO	1
DIMENSIONS		12 X 2,40 X 2,40
LIVING ROOM	Y/N	YES
SHOWER	Y/N	YES
FULL CLIMATE CONTROL	Y/N	YES
DRESSING BARRACKS		
QUANTITY	NO	1
DIMENSIONS		12 X 2,40 X 2,40
SHOWER	Y/N	YES
FULL CLIMATE CONTROL	Y/N	YES
WORKSHOP BARRACKS		
QUANTITY	NO	1
DIMENSIONS		12 X 2,40 X 2,40
WAREHOUSE BARRACKS		
QUANTITY	NO	1
DIMENSIONS		6 X 2,40 X 2,40
EXPANDABLE BARRACKS		
QUANTITY	NO	2 EXPANDABLE
DIMENSIONS		6 X 2,40 X 2,40
SHOWER	Y/N	2 EACH
TOILET	Y/N	2 EACH
WATER HEATER	Y/N	1 EACH
FULL CLIMATE CONTROL	Y/N	YES
WITH BEDS AND FURNITURE	Y/N	YES

Main Components

22) Rig Completion Equipment

RIG COMPLETION EQUIPMENT		
7-1/16 FLOW TEE WITH ALL EQUIPMENT TO GO TO THE SHAKER	1	TYPE
DRILL PIPE	3000 MT	3-1/2" IF WITH 2-1/8" ID
DRILL COLLARS	20	4 3/4"
DRILLING JAR	1	TO FIT THE 3-1/2" DRILL PIPE
ELEVATORS	1	2-3/8" NUE
ELEVATORS	1	2-3/8" EUE
ELEVATORS	1	2-7/8" NUE
ELEVATORS	1	2-7/8" EUE
ELEVATORS	1	2-7/8" DRILL PIPE
ELEVATORS	1	3-1/2" DRILL PIPE
SLIPS	1	2-3/8"
SLIPS	1	2-7/8"
SLIPS	1	3-1/2"
SLIPS	1	FOR DRILLING COLLARS
SAFETY CLAMP	1	FOR 4 1/4 AND 5" DC
POWER TONGS	1	FOR MAKEUP AND BRAKE OUT OF TUBING AND DRILL PIPE
PIPE WRENCHES	1	FOR WORKING WITH TUBING
BUMPER SUB	1	OD 4-1/4" 2-7/8" IF CONNECTIONS
FISHING JAR	1	OD 4-1/4" 2-7/8" IF CONNECTIONS
DRILL COLLARS	10	5"
DRILL COLLARS	10	4-1/4"
DRILLING JAR	1	YES

Main Components

BOP CONTROL UNIT 1 Koomey	1	Koomey
KOOMEY CONTROL PANEL 1 yes	1	YES
TOOL PUSHER CONTROL PANEL 1 yes	1	YES
BOP SPOOL FLANGED 7 1/16 X CASING FLANGE	1	YES
CHOKE/KILL VALVES 2 2 1/16	2	2 1/16
BOP RAMS 4	4	2 3/8, 2 7/8", 3 1/2" , blind
CHOKE MANIFOLD – KILL MANIFOLD 1 yes	1	YES
CHOKE MANIFOLD CONTROL BOX 1 yes	1	YES

