

IDECO 725HP RIG

MODEL: IDECO H-725

MAST:

- Model: Gin Pole Mast BBM133-430
- Height: 138ft
- Number of max lines: 10
- Number of Sheaves: 6
- Main Cluster Sheave Diameter: 44"
- Fast Line Sheave Diameter: 54"



DRAWWORKS:



- Model: IDECO H-725-D & COMPOUND DRAWWORKS
- HP Rating: 725 HP
- Drawwoks Hoisting Drum: 40 3/4" x 18" OD
- Brakes Type Cooling: Circulating
- Rotary Speeds: 2 Fwd-1 Rev
- Drilling Rope Size: 1 1/8"

Hydromatic Brake:

- Model: McKinney 23CCW
- Brake Capacity: 5000 HP
- Diameter: 23"
- Maximum Speed: 1550 rpm

SUBSTRUCTURE:

- Capacity: 425klbs
- Size: 14' high x 26' wide x 56' long
- Height: 14 ft

ROTARY TABLE:

- **Model:** RG-ZP275
- **Rated Static Load:** 4540kN
- **Max Rotation Speed:** 300 rpm
- **Hatch Diameter:** 27-1/2"
- **Transmission Ratio:** 3.67
- **Overall Dimension:** 2392x167x685 mm
- **Floor Height:** 14 ft



DRIVE GROUP:

- **Engine Model:** CAT C-15
- **HP Rating:** 2 x500hp
- **Generator Model:** CAT-3412
- **HP/Kw Rating:** 2x 890hp/ 2x 664kW
- **Full load RPM:** 1800
- **Frequency:** 60hz

TOP DRIVE:



- **Model:** CANRIG- 6027/AC
- **Capacity:** 275mt
- **Motor rating:** 600hp
- **Max RPM:** 180
- **Weight:** 22klbs
- **Break-out capacity:** 54000 ft.lb
- **Make-up capacity:** 50000 ft.lb

Top Drive Engine:

- **Model:** CAT: D399
- **Power:** 1100hp
- **Full load RPM:** 1200
- **Alternator:** 1200rpm- 600V- 1000A
- **Hydraulic system dynamo:** 1755rpm- 19,5A- 60hz

MUD SYSTEM:

Mud Pumps:

- Pump Model: 2x F1600 Triplex Mud Pump
- Rated Horsepower: 1,600 HP
- Rated Pump Speed: 120 SPM
- Maximum Liner Size by Stroke Length: 7" x 12"
- Gear Ratio: 4.206:1



Pump Engines:

- Engine Model: CAT 3512 & CAT D399
- Rated Horsepower: 1996 HP & 1310 HP
- Full load RPM: 1800 & 1200

Mud Pits:



- Total Tank Capacity: 1300bbl
- Agitators: 6x 7,5kW + 4x 11kW
- Hopper Centrifuge: 3x 75kW 6"x8"x14" (2 on hopper pit, 1 on suction pit)
- 800bbl water containing pits

Solid Control System:



- Shale Shakers: 2x NOV King Cobra Brand
 - Shaker Engines: 2x(2x2,2kW)
- Mud Cleaner: Derrick FLC-503
 - Desilter: 16x 4" Hydrocyclones & 75kW
 - 6"x8"x14" Centrifugal pump
 - Desander: 2x 10" Hydrocyclones & 75kW
 - 6"x8"x14" Centrifugal pump

Other Mud System Equipments:

- De-gasser: Kemtron KT-DG-1200 Vacuum Degasser
- Poor Boy De-gasser
- Stand Pipe: 4 ½" x 5000psi

WELL CONTROL SYSTEM:

• **BOP Stack**

- 13 5/8" x 5000psi Annular BOP
- 13 5/8" x 5000psi Double Ram BOP w/ 9 5/8" - 7" - 5" - 4 ½" - 3 ½" - Blind rams
- 13 5/8" x 5000psi Drilling spool w/ 2x 4 1/16" x 5000psi
- 4 1/16" x 5M gate valves for choke line & kill line



• **Choke Manifold**



- 4 1/16" x 5000psi gate valve: 5ea
- 2 9/16" x 5000psi gate valve: 6ea
- 2 1/16" x 5000psi gate valve: 1ea
- 2 9/16" x 5000psi mechanical adjustable valve: 1ea
- 2 9/16" x 5000psi hydraulic adjustable valve: 1ea
- 2" x 20' x 5000psi Co-flex hose: 1ea

• **Choke Control Panel**



- Model: JY1-35BT
- Operating Pressure: 5000psi
- Rated Output Pressure: 3 Mpa

- **Koomey Closing Unit**

- Accumulator bottle: 19ea
- Output: 8ea
- 1 ea pneumatic motor & 1 ea electrical motor
- Pressure gauge: 3ea (Accumulator-Manifold-Annular)
- Pressure control valve: 8ea



HANDLING EQUIPMENTS:

- **1 ea 225 tonnes Travelling Block**
- **Elevators**
 - 2 ea 4 ½" DDZ 250 Tonnes Elevator
 - 2 ea 3 ½" DDZ 150 Tonnes Elevator
- **Slips**
 - 2 ea 9 ½" DCS-L Slip
 - 1 ea 8" DCS-L Slip, 1 ea 8" DCS-R Slip
 - 2 ea 6 ½" DCS-R Slip
 - 1 ea 4 ¾" DCS-R Slip
 - 1 ea 4 ½" SDXL DP Slip
 - 2 ea 4 ½" - 3 ½" SDXL DP Slip
 - 2 ea SDXL 3 ½" DP Slip
 - 2 ea SDML 2 7/8" – 3 ½" DP Slip
- **Safety Clamps**
 - 1 ea 9 ½" Safety Clamps
 - 1 ea 8" WA-C Safety Clamps
 - 1 ea 6 1/2" WA-C Safety Clamps
 - 1 ea 4 ¾" WA-C Safety Clamps
- **Lifting Subs**
 - 2 ea 7 5/8 Reg Lifting Sub
 - 5 ea 6 5/8 Reg Lifting Sub
 - 6 ea 4 ½ IF Lifting Sub

- 5 ea 4 IF Lifting Sub
- 9 ea 3 ½ IF Lifting Sub

- **Ring Tongs**
 - SRLF Rig Tong, 75 KN.m

- **DP Spinner**



- Model: Q250
- Size Range: 3 ½" – 10"
- Power: 16hp
- Spinning Speed: 0-120 rpm
- Max. Stall Torque: 1840 ft.lb

KELLY& SWIVEL :

- King Oil Tools 25MB-14 300t Swivel
- Square 4 1/4" Kelly, 6 5/8 REG LH B- 4 IF P

RECORDER

- 3-pen Geograph, Poor Boy

CASING HANDLING EQUIPMENTS

- **Elevators**
 - 1 ea 20" SLX 250 tonnes Side Door Elevator
 - 1 ea 13 3/8" SLX 150 tonnes Side Door Elevator
 - 1 ea 9 5/8" SLX 150 tonnes Side Door Elevator
 - 1 ea 7" SLX 150 tonnes Side Door Elevator
 - 1 ea 5" SLX 100 tonnes Side Door Elevator
 - 1 ea 4 1/2" SLX 100 tonnes Side Door Elevator
 - 1 ea 20" Single Joint Elevator
 - 1 ea 13 3/8" Single Joint Elevator

- 1 ea 9 5/8" Single Joint Elevator
- 1 ea 7" Single Joint Elevator
- **Power Tong**
 - Hydraulic Casing Power tong for 7", 9 5/8" & 13 3/8"
 - 2320 psi Power Tong Hydraulic Unit
- **Slips**
 - 2 ea 315 tonnes Slip Spider
 - 2 ea 340 tonnes 7" Slip Spider Insert
 - 2 ea 340 tonnes 9 5/8" Slip Spider Insert
 - 2 ea 315 tonnes 13 3/8" Slip Spider Insert
 - 1 ea 20" Casing Bushing

TUBULARS

- 5 ea 9 1/2" 217 ppf Drill Collar
- 1 ea 9 1/2" 217 ppf Short Drill Collar
- 17 ea 8" 147 ppf Drill Collar
- 3 ea 8" 147 ppf Short Drill Collar
- 33 ea 99 ppf 6 1/2" Drill Collar
- 2 ea 6 1/2" 99 ppf Short Drill Collar
- 21 ea 47 ppf 4 3/4" Drill Collar
- 2 ea 4 3/4" 47 ppf Short Drill Collar
- 21 ea 41 ppf 4 1/2" Heavy Weight Drill Pipe
- 18 ea 25,3 ppf 3 1/2" Heavy Weight Drill Pipe
- 290 ea 16,6 ppf 4 1/2" G-105 grade Drill Pipe
- 3 ea 16,6 ppf 4 1/2" G-105 grade Short Drill Pipe
- 320 ea 13,3 ppf 3 1/2" G-105 grade Drill Pipe
- 3 ea 13,3 ppf 3 1/2" G-105 grade Short Drill Pipe
- **Stabilizers**
 - 1 ea Integral Blade 17 1/2" Stabilizer
 - 2 ea Sleeve Type 12 1/4" Stabilizer
 - 3 ea Sleeve Type 8 1/2" Stabilizer
 - 2 ea Integral Blade 6" Stabilizer
 - 3 ea 12 1/8" Near-Bit Stabilizer
 - 3 ea 8 3/8" Near-Bit Stabilizer
 - 3 ea 5 7/8" Near-Bit Stabilizer

FISHING TOOLS

- **GOTCO 150 Series 11 ¾" Overshot**
 - 9 ½" Spiral Grapple & Spiral Control
 - 8" Basket Grapple & Basket Control
- **GOTCO 150 Series 9 5/8" Overshot**
 - 8" Spiral Grapple & Spiral Control
 - 6 ½" Basket Grapple & Basket Control & Mill Control
- **GOTCO 150 Series 8 ½" Overshot**
 - 6 ½" Spiral Grapple & Spiral Control
 - 6 ¼" Spiral Grapple & Spiral Control
 - 5" Basket Grapple & Basket Control & Mill Control
 - 4 ½" Basket Grapple & Basket Control & Mill Control
 - 3 ½" Basket Grapple & Basket Control & Mill Control
- **GOTCO 150 Series 5 5/8" Overshot**
 - 4 ¾" Spiral Grapple & Spiral Control
 - 3 ½" Basket Grapple & Basket Control & Mill Control
- **11" Reverse Circulation Junk Basket**
- **7 7/8" Reverse Circulation Junk Basket**
- **5 ½" Reverse Circulation Junk Basket**
- **11 ½" Fishing Magnet**
- **8" Fishing Magnet**
- **4 ¾" Taper Tap**
- **1 ¼" – 3 ½" Taper Tap**

CLUTCH TYPES:

- **Rotary Clutch: 18 FK 500**
- **Rotary Brake: 18 FK 500**
- **Drive Engines: 20 FK 500 x 2**
- **Mud Pump Engine: 22 FK 500 x 4**
- **Drawworks: 24 FK 500 x3**
- **Drum: 40 FK 525**

CHAIN TYPES :

- 96-50x1 (Transmission Lubrication)
- 100-50x1 (Drawworks Lubrication)
- 102-100x2 (Rotary)
- 148-100x4 (1. Drive Engine Transmission)
- 130-100x3 (1. Drive Engine Transmission)
- 93-100x2 (2. Drive Engine Drawworks)
- 66-140x2 (Rotary Transmission)
- 121-140x2 (Rotary Transmission)
- 96-100x1 (Cathead)
- 102-100x3 (Hydromatic)

AIR SUPPLY



- Curtis; 25 HP, 125 PSI, 460 Volt Compressor
- Quincy; 3HP, 125 PSI, 460 Volt Compressor
- EKOMAK; 75 HP, 125PSI, 460 Volt Compressor

HYDRAULIC UNIT

- Varco; 2500 PSI, Max. 32 gpm hydraulic power unit