

KS JAVA STAR 2

GENERAL

RIG NAME : KS Java Star 2
 RIG TYPE : Jack-up
 RIG DESIGN : Friede & Goldman Super M2
 YEAR BUILT / UPGRADED : 2014
 BUILDER : ZPMC, Nantong Shipyard China
 CLASSIFICATION : ABS (Maltese Cross Self Elevating Drilling Unit)
 FLAG : Marshall Island

MAIN PARTICULARS

HULL LENGTH : 196 ft
 HULL BREADTH : 183 ft
 HULL DEPTH : 25 ft
 TRANSIT DRAFT : 17 ft
 NO. OF LEGS / TYPE : 3, Triangular Truss
 LEG LENGTH : 411 ft / 357 ft below hull
 CANTILEVER REACH : 57.5 ft longitudinal
 15 ft transverse port & stbd
 ACCOMMODATION : 110 POB
 HELIDECK : Octagonal Helideck
 72.83 ft x 72.83 ft, 12.8 tons capacity
 Designated for Sikorsky S61N / S92
 MOORING SYSTEM : Winches 4 x 30 Tons
 Anchors 4 x 5 Tons Delta Flipper

STORAGE CAPACITIES

FUEL OIL : 4,035 bbls
 DRILL WATER : 6,597 bbls
 POTABLE WATER : 2,315 bbls
 LIQUID MUD (TOTAL) : 4,526 bbls
 BRINE : 928 bbls
 BASE OIL : 928 bbls
 BARITE / BENTONITE : 5,400 ft³
 BULK CEMENT : 5,400 ft³
 SACK STORAGE : 5,000 sacks

JACKING SYSTEM

MAKE / MODEL : F&G / Pinion Rack
 NO. OF PINIONS : 54 pinions
 MAX JACKING LOAD : 440 kips
 JACKING SPEED : 1.5 ft/sec

OPERATIONAL CAPABILITIES

WATER DEPTH : 300 ft
 DRILLING DEPTH : 30,000 ft
 VARIABLE LOAD : 9,000 kips
 4,188 kips
 6,000 kips
 4,188 kips

DRILLING
 TRANSIT
 SURVIVAL
 JACKING

CRANES

PORT SIDE : ZPMC FPAC-3 50mt @22 ft, 120ft boom
 STARBOARD SIDE : ZPMC FPAC-3 50mt @22 ft, 120ft boom



POWER SUPPLY SYSTEM

ENGINES NO. / MODEL : 5x CAT 3516B HD
 ENGINES POWER : 2,150 hp at 1,200 rpm each (10,750hp)
 POWER GENERATORS : 5x KATO 6P 2,050 hp at 1,200 rpm each
 EMERGENCY POWER : 1x CAT 3512B 1,910 hp at 1,800 rpm

DRILLING EQUIPMENT

DERRICK MAKE : NOV-Dreco 160D
 DERRICK DIMENSIONS : 32 ft x 35 ft x 160 ft
 STATIC HOOK LOAD : 1,500 kips
 DRAWWORKS : NOV / ADS-10T
 DRAWWORKS POWER : 3,000 hp w/ 1-3/4" x 7,500 ft drilling line
 TRAVELLING BLOCK : 1,500 kips 7 x 60" sheaves
 ROTARY TABLE : NOV-RST 495, 49-1/2" 1,500 kips
 TOP DRIVE : NOV-TDS 8SA 1,500 kips 7,500 psi
 1,150 hp 62,250 ft-lbs at 94 rpm

WELL CONTROL EQUIPMENT

DIVERTER : Vetco Gray, KFDJ 49-1/2" 500 psi
 BOP SPHERICAL : 1x Shaffer Spherical 13-5/8" 10k psi
 1x Shaffer Spherical 21-1/4" 2k psi
 BOP RAMS : 2x Shaffer SLX 13-5/8" 15k psi double
 1x T3 6012 21-1/4" 2k psi double

MUD SYSTEM

WORKING PRESSURE : 7,500 psi
 MUD PUMP : 3x NOV 14-P-220, Triplex, 2,200 hp
 SHALE SHAKERS : Brandt, 4x VSM300
 DESILTER : 20x 4" cones
 DESANDER : 3x 12" cones
 DEGASSER : Brandt, DG-12 / 1,200 gpm

KS DRILLING

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A member of KS Energy Limited