

# Main Specification -- AC VFD Rig

Specifications \ Rig Model		ZJ40/2250DB	ZJ50/3150DB	ZJ70/4500DB
Nominal Drilling Depth	4-1/2" DP	4000 m 13,000 ft	5000 m 16,000 ft	7000 m 23,000 ft
	5" DP	3200 m 10,500 ft	4500 m 15,000 ft	6000 m 20,000 ft
General Specifications	Max. Static Hook Load kN (lbs)	2250 (500,000)	3150 (700,000)	4500 (1,000,000)
	Hook Speed m/s (in/s)	0-1.48 (0-58)	0-1.60 (0-63)	0-1.58 (0-62)
	Line Strung	10	12	12
	Drilling Line mm (in)	32 (1-1/4")	35 (1-3/8")	38 (1-1/2")
	Max. Fast Line Pull kN (lbs)	275 (61,822)	340 (76,435)	485 (109,000)
Drawworks	Model	JC40DB	JC50DB	JC70DB
	Power Rating kW (HP)	746 (1000)	1118 (1500)	1492 (2000)
	Transmission	Single Shaft and Gear Driven		
	Main Brake	Hydraulic Disc Brake		
	Auxiliary Brake	AC Motor Braking / Eaton Disc Brake		
Crown Block		TC225	TC315	TC450
Traveling Block		YC225	YC315	YC450
Sheave Diameter mm (in)		1120 (44")	1270 (50")	1524 (60")
Hook		DG225	DG315	DG450
Swivel	Model	SL225	SL450	SL450
	Stem Dia. mm (in)	75 (3")	75 (3")	75 (3")
Rotary Table	Opening Dia. mm (in)	698.5 (27-1/2")	952.5 (37-1/2")	952.5 (37-1/2")
	Drive Mode	Independent Rotary Drive		
Mast	Height m (ft)	43 (141')	45 (147')	45 (147')
	Max. Static Load kN (lbs)	2250 (500,000)	3150 (700,000)	4500 (1,000,000)
Substructure	Type	Self-Elevating	Swing up	Swing up
	Height m (ft)	7.5 (25')	9 / 7.5 (30' / 25')	10.5 / 9 (35' / 30')
	Clear Height m (ft)	6.26 (20')	7.62 / 6.26 (25' / 20')	9 / 7.62 (30' / 25')
Mud Pumps	Model × Number	F-1300 × 2	F-1600 × 3	F-1600 × 3
	Drive Mode	AC Electrical Motor Driven		

