

KINGWELL-BOMCO
F1600HP MUD PUMP UNITIZATION

PUMP 1600 HP MUD

MODEL :	CSF-1600
TYPE:	TRIPLEX SINGLE ACTING PISTON
MAX. LINER SIZE:	7" (180MM)
STROKE:	12" (305MM)
STROKES RATING:	120RPM
POWER RATING:	1600HP (1193KW)
GEAR TYPE:	4.206:1
DISCHARGE OUTLET FLANGE:	5" FLANGE, 5,000 PSI
PINION SHAFT DIA.:	8-1/2" (215.9MM)
KEY:	2"×2" (50.8MM×50.8MM)
VALVE POTS :	VALVE-OVER-VALVE, API7
PULSATION DAMPENER:	KB-75
RELIEF VALVE:	SHEARING TYPE

BASED ON 100% VOLUMETRIC EFFICIENCY AND 90% MECHANICAL EFFICIENCY.

RECOMMENDED STROKES AND INPUT POWER FOR CONTINUOUS SERVICE.

MOTOR

MODEL:	YZ08/YZ08A
RATED POWER:	1070 HP (800 KW),
RATED VOLTAGE:	750 V
RATED CURRENT:	1150 A
RATED ROTATING SPEED:	970 RPM
RATED TORQUE:	8,000 N.M

EXCITING MODE:	SERIES
INSULATION CLASS:	H/H
COOLING:	PRESSURED AIR
BLOWER:	460/400 V AC, 60/50 HZ
PROTECTION CLASS:	POSITIVE PRESSURE EXPLOSION PROOF

PUMP DRIVEN BY TWO (2) DC MOTOR, AND UNITIZED WITH:

6''x8'' SUPERCHARGING PUMP, DRIVEN BY 75 HP, RPM EXPLOSION PROOF MOTOR. CONTROLLED FROM LOCAL AND DRILLER CABIN.

PULSATION DAMPENER, KB-75 TYPE

BELT, 1 x5ZV25J-7620, 2 x4ZV25J-7620

PRESSURE GAUGE, 5,000 PSI

3'' SHEARING TYPE RELIEF VALVE

JIB CRANE

LINER WASHING PUMP, DRIVEN BY 3HP, EXPLOSION PROOF MOTOR

SPANNER FOR ROTATING MUD PUMP CRANKSHAFT FOR MAINTENANCE.

8' LONG AND 3-1/2'' ID. 5,000 PSI WORKING PRESSURE

SUCTION MANIFOLD

12'' SUCTION MANIFOLD WITH STRAINER

DISCHARGE MANIFOLD

4'' ID, 5,000 PSI WORKING PRESSURE, AND 4'' LP CONNECTION.