



Rodson Universal

[www.rodson.com](http://www.rodson.com)

[info@rodson.com](mailto:info@rodson.com)

Ref ef1047

## FLOATING COAL LOADER

YEAR:	2007
ABT:	7800 DWT
LOA/BEAM/DEPTH:	91.5 X 24.4 X 5.50 M
G/E WEICHAH ENGINE:	1000KW / 900RPM / X 3SETS (HFO 180 CST)
WEICHAH ENGINE:	200KW / 1800RPM X 1SET (MDO)
MAC'G CARGO CRANE - CAPA :	36TON / OUTREACH 26M X 3 UNITS (THEY ARE 2ND HAND BUILT IN 1997)
CONVEYOR - CARGO HANDLING :	2500 TON/HR HOPPER X 3SET / SWING CONVEYOR X 2SETS BELT CONVEYOR X 9 SETS
GRAB - GUVEN	
REMOTE CONTROL GRAB	17CBM X 4SETS





# Rodson Universal

[www.rodson.com](http://www.rodson.com)

[info@rodson.com](mailto:info@rodson.com)

NO	ARTICLE	SPEC'	Q'TY
2	GRAB	(RADIO REMOTE CONTROL GRAB) GRAB TO BE FITTED WITH HOOKS TO LIFT BULLDOZ - PARTICULAR DEAD WEIGHT : 12 TON VOLUME : 17CBM -15CBM -14CBM -13CBM MAX CAOACITY : 17CBM	4SETS
3	HOPPER	- INLET SIZE : 10 X 10MTR VOLUME : 70m3 DISCHARGE RATE : 1,250MTPH *TO PREVENT THE DUST POLLUTION, WATER SPRINKLING SYSTEM TO BE PROVIDED	3UNITS
4	CONVEYOR	BF 01 BELT WIDTH : 1,400mm BELT LENGH : 53,300mm BELT SPEED : 2.16mtr/sec GRADIENT 15° / 115KW	1UNIT
		BF 02 BELT WIDTH : 1400mm BELT LENGH : 17,950mm BELT SPEED : 2.16mtr/sec GRADIENT 0° / 22KW	1UNIT
		BF 03 BELT WIDTH : 1,400mm BELT LENGH : 44,083mm BELT SPEED : 2.16mtr/sec GRADIENT 15° / 115KW	1UNIT
		BC 04 BELT WIDTH : 1,600mm BELT LENGH : 101,161mm BELT SPEED : 3mtr/sec GRADIENT 11.5° / 132KW	1UNIT



# Rodson Universal

[www.rodson.com](http://www.rodson.com)

[info@rodson.com](mailto:info@rodson.com)

NO	ARTICLE	SPEC'	Q'TY
4	CONVEYOR	BC 05 BELT WIDTH : 1,600mm BELT LENGH : 66,700mm BELT SPEED : 3mtr/sec GRADIENT 15° / 132KW	1UNIT
		BC 06 BELT WIDTH : 1,600mm BELT LENGH : 92,549mm BELT SPEED : 3mtr/sec GRADIENT 14.2° / 175KW	2UNITS
		BC 07 BELT WIDTH : 1,800mm BELT LENGH : 70,697mm BELT SPEED : 3mtr/sec GRADIENT 15° / 175KW	2UNITS
		- DUST FREE CONVEYOR - DRIVE SINGLE SPEED ELECTRIC MOTOR FLUID COUPLING BRAKE & ANTI ROLLBACK DEVICE BELT TENSION IS FIXED SCREW TYPE TENSION UNIT - MAGNETIC METAL REOVER	
5	SHIP LOADER	- CONVEYOR BELT SPEED 3mtr/sec BELT WIDTH : 1800mm MOTOR 110KW - SHUTTING DEVICE SHUTTING TRAVEL 11.6mtr SHUTTING SPEED 5mtr/min MOTOR 2.2KW,1800RPM, 440V, 60HZ	2SETS



# Rodson Universal

[www.rodson.com](http://www.rodson.com)

[info@rodson.com](mailto:info@rodson.com)

NO	ARTICLE	SPEC'	Q'TY
5	SHIP LOADER	<ul style="list-style-type: none"> <li>- LIFTING MACHINES</li> <li>LIFTING ANGLE -8° ~ + 10°</li> <li>LIFTING SPEED 2min(0° ~ 10° )</li> <li>MOTOR 17KW, 1200RPM</li> <li>- SWEIVELLING GEAR</li> <li>DRIVE PART : 3.7KW, 440V, 60HZ</li> <li>SWIVELLING SPEED 0.1RPM</li> <li>- CHUTE</li> <li>SWIVELLING SCOPE 360°</li> <li>SWIVELLING SPEED 1.8RPM</li> <li>MOTOR 1.5KW, 1800RPM, 440V, 60HZ</li> <li>- POWER SUPPLY : 440V, 60HZ, 3P</li> <li>- SHIPLOADER HAS SUFFICIENT HEIGHT TO LOAD CAPESIZE SHIP</li> <li>MAIN STRUCTURE</li> <li>- PEDESTAL</li> <li>SLEWING BEARING IS FITTED ON TOP OF PEDESTAL</li> <li>- UPPER BODY</li> <li>ASSEMBLY WITH SLEWING &amp; LUFFING GEAR</li> <li>- BOOM</li> <li>BOOM OF TRUSS STRUCTURE WITH TELESCOPIC SECTION</li> <li>- BOOM OPERATION</li> <li>LUFFING ANGLE WITH WORKING -8 ~ +8°</li> <li>NON WORKING UNDER -8 ~ +8°</li> <li>SLEWING +90 ~ -45°</li> <li>LUFFING SPEED 2 MIN (0 ~8°)</li> <li>SLEWING SPEED 0.1 rpm</li> <li>TELESCOPIC MOVEMENT 6mtr/min</li> <li>- TRIMMING CHUTE</li> </ul>	2SETS



# Rodson Universal

[www.rodson.com](http://www.rodson.com)

[info@rodson.com](mailto:info@rodson.com)

NO	ARTICLE	SPEC'	Q'TY
5	SHIP LOADER	CHUTE IS 360° FREE BY MOTOR & EXTERNAL GEAR AND LUFF ± 0° SLEWING SPEED 1.8 rpm	2SETS
6	CONTROL	1) VOLTAGE OF MOTOR 440V , 60HZ , 3PHASES VOLTAGE OF CONTROL 220V , 60HZ 2) PLC UNIT	1UNITS
7	GENERATOR ENGINE	1) 3 SETS OF DIESEL GENERATOR 1080KW , 900 RPM RATED OUTPUT 1000KW FREQUENCY 60HZ REVOLUTION 900 RPM VOLTAGE AC 450V , 3PHASES EXCITATION BRUSHLESS , AVR AUTOMATIC VOLTAGE REGULATOR POWER FACTOR 0.8(lag) ENCLOSURE IP23 INSULATION CLASS F AMBIENT TEMPERATURE +45 degC SPACE HEATER AC 220V , 450W	3SETS
		2) HARBOR DIESEL GENERATOR 225KW , 1800 RPM RATED OUTPUT 200KW FREQUENCY 60HZ REVOLUTION 1800 RPM VOLTAGE AC 440V , 3PHASES EXCITATION BRUSHLESS POWER FACTOR 0.8(lag) ENCLOSURE IP23 INSULATION CLASS H AMBIENT TEMPERATURE +45 degC SPACE HEATER AC 220V	1SETS



# Rodson Universal

[www.rodson.com](http://www.rodson.com)

[info@rodson.com](mailto:info@rodson.com)

NO	ARTICLE	SPEC'	Q'TY
7	GENERATOR ENGINE	3) MAIN TRANSFORMER ENCLOSURE IP23 OUTPUT 45 KVA NO. OF PHASE 3 PRIMARY VOLTAGE 445V SECONDARY VOLTAGE 225V FREQUENCY 60HZ RATING CONTINUOUS INSULATION CLASS B COOLING SYSTEM SELF-COOLING	1SETS



