JS22WR

BRAKING SYSTEMS

	JS15WR	JS18WR	JS22WR
Safety Brake system with Heavy Duty discs brakes	✓	✓	✓
Emergency Brake activated by Killer-Switch	✓	✓	✓
Mechanical secured Parking Brake	✓	✓	✓
Hydraulic driven 4-wheels Brake System	✓	✓	✓

SAFETY DEVICES

Travel alarm: back-wards driving alarm	✓	✓	✓
Amber security-beacon with rotating-flash light signal	✓	✓	✓
HVBC-security valves on rams	✓	✓	✓
2nd Amber security-beacon to further enhance security on working site	✓	✓	✓
Fire Extinguisher brackets	✓	✓	✓
Magnetic Door-Catch Security System®	✓	✓	✓
Safe Drive - road/rail mode to enhance safe moving in all conditions	✓	✓	✓
Safety Lock for Attachment avoiding disconnecting during work	✓	✓	✓
Doorsteps with security, anti-gliding grip for safe access to cabin	✓	✓	✓
Chevrons on counterweight for enhanced visibility	✓	✓	✓
Rear View camera: enhanced security due to visibility at the back	✓	✓	✓
Sllick Rail Tyre for perfect grip during accelaration & braking	✓	✓	✓
Slew security-lock; locks the slew of the turret	✓	✓	✓
2GO System: hydraulic Safety System to avoid unvoluntary starting of machine	✓	✓	✓
Increased safety due to superior all-around visibility from cab			
Safety-belts for 1st and 2nd seat	✓	✓	✓
Automatic Buggy Pressure System: adapts pressure according to working conditions	✓	✓	✓
Homologated ROPS Certified Cabin according to ISO 12117-1:2008	✓	✓	✓
Market's lowest noise level (reduces fatique of Operator)	100 dB(A)	100 dB(A)	100 dB(A)

OPTIONS

	JS15WR	JS18WR	JS22WR
Climate control	✓	✓	✓
Pneumatic Seat	✓	✓	✓
Extra Led Working lamp	✓	✓	✓
Stabiliser Street Paths	✓	✓	✓
Foot-rest	✓	✓	✓
Mesh Front Screen Guard	✓	✓	✓
Parking Heating	✓	✓	✓
Emergency Fuel pump	✓	✓	✓
Rockinger Hitch Towing system	✓	✓	✓
Homologated Rockinger Hitch Towing system (up to 240 tons*)	✓	✓	✓
Pneumatic brakes	✓	✓	✓
Emergency shaft for being towed	✓	✓	✓
Prolec 100 Safety Systems for height limitation	✓	✓	✓
Prolec 200 Safetly System for limit rotation & overload	✓	✓	✓
Prolec 500 Safety Systems for height & rotation	✓	✓	✓
Prolec Rail PRO Safety System (CE Railway Certified)	✓	✓	✓
First Emergency Kit	✓	✓	✓
Front blind over full length	✓	✓	✓
3-party Tab-Boom	✓	✓	std
All Around Camera (360º) with recording	✓	✓	✓
Rear view camera	✓	✓	✓
Extended warranty IH CARE	✓	✓	✓
Hydraulic Emergency system in case of diesel engine failure	✓	✓	✓
GSM-R Radio Koliber (other brands possible as well)	✓	✓	✓
Wide range of interchangeable Attachments	✓	✓	✓
Full Mecalaf Railway Lights; 3*front; 2*rear; 7 modes	✓	✓	✓
Two Tone Railway Siren	✓	✓	✓
Automized Lubrication System	✓	✓	✓
Upper Structure Safety Rails	✓	✓	✓
Stage V / Tier 5 Emission Rating (required for CE Certification)	✓	✓	✓
Red Emergency 'STOP'-buttons at 4 corners	✓	✓	✓
Client specific marking, signing or colour	✓	✓	✓
Registration in ERATV (European Register of Authorized Types of Vehicles) for CE Certified machines	✗	✗	std

* pneumatic brakes required in order to stop 240tons

MAN PLATFORM | **RAIL RADIO** | **ROCKINGER HITCH** | **EMERGENCY SHAFT**

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www.ihsystems.pl

RAIL-ROAD EXCAVATORS

IH SYSTEMS

SPECIFICATION

	JS15WR	JS18WR	JS22WR
Engine	JCB DieselMAX 448	JCB DieselMAX 448	JCB DieselMAX 448
Emission Rating	Stage V	Stage V	Stage V
Displacement	4,8 ltr	4,8 ltr	4,8 ltr
Combustion engine	JCB448	JCB448	JCB448
Rated Power	93 kW 125 HP	93 kW 125 HP	129 kW 173 HP
Fuel injection	Electronic	Electronic	Electronic
Aspiration	Turbocharged Intercooled	Turbocharged Intercooled	Turbocharged Intercooled
Cooling	Yes	Yes	Yes
Exhaust Gas recirculation	33km/h (22 mph)	28km/h (17 mph)	30km/h (19 mph)
Max. travel speed on road	25km/h (15 mph)	25km/h (15 mph)	25km/h (15 mph)
Max. travel speed on track	8180 kg	9410 kg	12630 kg
Max. capacity	220 litres	310 litres	310 litres
Gasoil tank capacity	1435/1520 mm	1435/1520 mm	1435/1520 mm
Railway track gauge	rubber-steel-Haulier railway tyres according to G1 PN-EN 15273-2	rubber-steel-Haulier railway tyres according to G1 PN-EN 15273-2	rubber-steel-Haulier railway tyres according to G1 PN-EN 15273-2
Railway Drive system	MonoBoom	MonoBoom	3 party Tab-Boom
Gauge profile	2100mm	2250mm	2250mm
Boom	Open system	Open system	Open system
Dipper	2x123 ltr/min	2x130 ltr/min	2x156 ltr/min
Hydraulic system	main cir. 340 bar	main cir. 340 bar	main cir. 340 bar
Hydraulic flow	123 ltr/min	130 ltr/min	138 ltr/min
Max. Pressure	34 ltr/min	36 ltr/min	36 ltr/min
Pipework high flow	approx 16t	approx 18t	approx 22t
Pipework low flow	2	2	2
Mass	4 Twin Rail Haulier	4 Twin Rail Haulier	4 Twin Rail Haulier
Motorized axes	Yes	Yes	Yes
Tyres	Yes	Yes	Yes
Refuelling pump	Yes	Yes	Yes
Tipping Link	Yes	Yes	Yes
2x12V Power sockets			

	JS15WR	JS18WR	JS22WR
Cabin	2 pers; ROPS Certif.	2 pers; ROPS Certif.	2 pers; ROPS Certif.
RailTouch® screen	Yes	Yes	Yes
Radio/MP3-system	Yes	Yes	Yes
FuelActive®	Yes	Yes	Yes
Toolbox	Yes	Yes	Yes
Cabin lighting	LED	LED	LED
Road lights	Yes	Yes	Yes
Work lights	LED: front x4, rear x2	LED: front x4, rear x2	LED: front x4, rear x2
Toolkit	Yes	Yes	Yes
Batteries	2X12V 110 Ah	2X12V 110 Ah	2X12V 110 Ah
LiveLink	36 months	36 months	36 months
Warranty	standard 12 mo.	standard 12 mo.	standard 12 mo.
Open Track Permision for CE Certified	NO	NO	Conform EU-non-TSI RR-vehicle certified by UTK
Homologation CE Certificaion Adaptation to Railway-requirements Quality-standards	in full compliance with EU regulations CE Certifion only possible with Tier V engine according to EN ISO 15085; ISO9001; ISO3834-2, certified by TÜV NORD according to ISO 9001-2015 certified by TÜV NORD In accordance with EU-homologation		
Closed Track Permission Norms Welding & Buggy Norms and Cerificates	PN-EN 12663, PN-EN 15273, PN-EN 13715, PN-EN 13262, PN-EN 13261, PN-EN 15085, PR-EN 14363, PN-EN 16019 PR-EN 14363, PN-EN 16019, PN-EN 15020, PN-EN 15566, PN-EN 15551, PN-EN 12299, PN-EN 16235, PN-EN 15839, PN-EN 13749, PN-EN 13775, PN-EN 13260, PN-EN 13979, PN-EN 12080, PN-EN 15437, PN-EN 16452, PN-EN 15734, PN-EN 14198, PN-EN 14531, PN-EN 15595, PN-EN 61508, PN-EN 50126, PN-EN 15877, PN-EN 15153 PN-EN 15746		
Technical requirements for travelling and working on railway			

RAILTOUCH® SCREEN

Allows quick, easy access to all machine functions.