

**TRAKTOR GUSENIČAR
CRAWLER TRACTOR**

TG - 220 CE

Neto snaga na zamajcu
Flywheel Power 170 kW/230 KS/HP
Radna težina
Operating Weight 22215 kg
Kapacitet dasaka
Blades Capacity 3,36-5,75 m³
Brzina
Speed 0-12,2 km/h



IMK  **14. oktobar**

MOTOR

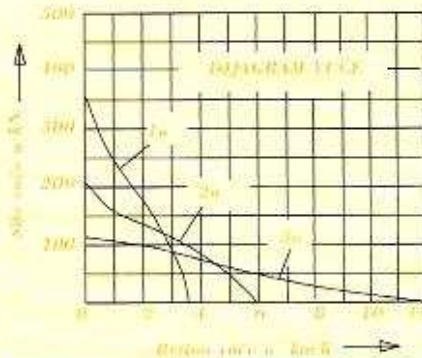
CUMMINS, model QSC - TIER 3, 4-taktni, vodom hlađeni, diesel, 6 cilindara (prečnik/hod klipa 114/135 mm). Radna zapremina 8,3 l. Neto snaga na zamajcu 170 kW (230 KS) pri 2100 o/min (ISO 9249).

Motor sa direktnim ubrizgavanjem, suvim prečistačem vazduha, elektrosistemom za startovanje od 24V.

TRANSMISIJA

Hidrodinamička transmisija POWER SHIFT, jednostepeni pretvarač obrtnog momenta i menjač sa velikim kapacitetom uljnih kvačila. Hidraulički sistem omogućava promenu brzine i pravca pod opterećenjem.

Brzina	Napred	Nazad
1-a	0-3,5 km/h	0-3,7 km/h
2-a	0-6,0 km/h	0-6,2 km/h
3-a	0-11,7 km/h	0-12,2 km/h



UPRAVLJANJE

Nožnim pedalama sa hidrauličnom komandom bočnih kvačila i kočnicama. Uljem hlađena višediskosna bočna kvačila bez podešavanja. Uljem hlađene trakaste kočnice. Mehanička parkirna kočnica. Bočna kvačila i kočnice servisiraju se kao posebne jedinice.

BOČNI REDUKTORI

Zupčanici sa pravim zubima, dvostruka redukcija, zaptivanje sistemom LIFETIME. Pogonski točkovi su sa segmentima čime se omogućava laka zamena.

HODNI STROJ

Gusenični kosturi varene kutijaste konstrukcije. Šasija traktora povešana spreda poprečnom gredom za vešanje koja se oslanja na kosture gusenica preko gumenih podmetača. Zatezanje lanaca hidraulično. Gusenični lanac sa zaptivenim osovinicama i spojničkim člankom. Zatezni točak, noseći i vodeći valjci zaptiveni sistemom LIFETIME.

Broj nosećih valjaka	6+6
Broj vodećih valjaka	2+2
Broj papuča	38+38
Širina papuča - standardna	560 mm
Visina rebra papuče	71,5 mm
Dužina naleganja gusenice	2700 mm
Površna naleganja	30240 cm ²
Dozvoljena oscilacija	400 mm

ENGINE

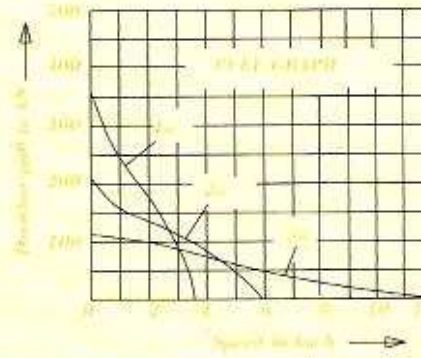
CUMMINS, model QSC - TIER 3, 4-stroke water cooled diesel engine, 6 cylinders (diameter piston stroke 114/135 mm). Operational capacity 8,3 l. Net power on flywheel 170 kW (230 HP) at 2100 rpm (ISO 9249).

Engine with direct injection, dry air filter, electric system for starting of 24V.

TRANSMISSION

Hydrodynamic transmission POWER SHIFT, single-stage torque converter and gearbox with high capacity of oil clutches. Hydraulic system enables speed and direction gearshift under loading.

Speed	Forward	Backward
1-a	0-3,5 km/h	0-3,7 km/h
2-a	0-6,0 km/h	0-6,2 km/h
3-a	0-11,7 km/h	0-12,2 km/h



STEERING

Foot pedals with hydraulic side clutch and the steering side brakes. Oil-cooled multiply disc clutch without adjustment. Oil-cooled brake band. Parking brake mechanic. Steering clutches and brakes are serviced as separate units.

FINAL DRIVE

Twofold reduction straight teeth gears, LIFETIME sealing. Drive wheels with segments for easy replacement.

UNDERCARRIAGE

Welded box type structure track frames. Tractor chassis forward linked with transversal beams for hanging that leaned on crawler track frame over rubber pads. Hydraulic chain tightening. Track chains with sealed shaft and master link. Idler, rollers carrying and leading with LIFETIME sealing.

Number of carrying rollers	6+6
Number of leading rollers	2+2
Number of Shoes	38+38
Shoe width - standard	560 mm
Height of shoe rib	71,5 mm
Track contact length	2700 mm
Track contact area	30240 cm ²
Allowed oscillations	400mm

KABINA

Integralna kabina zatvorenog tipa ROPS (ISO 3471) i FOPS (ISO 3449) sa sigurnosnim staklima, zvučno i toplotno izolovana, sa udobnim i podesivim sedištem. Opremljena je brisačem prednjeg stakla, grejačem i ventilatorom.

KAPACITETI PUNJENJA

Gorivo u rezervoaru	435 l
Sistem za hlađenje	60 l
Hidroinstalacija	110 l
Sistem za podmazivanje:	
Motor	26 l
Pretvarač, menjač, bočna kvačila	140 l
Bočni reduktori	60 l
Hodni stroj	7 l

TEŽINA

Transportna težina - uključeno: uređaj anglozera, pokretna poteznica, standardna oprema, sredstvo za hlađenje, sva ulja i 10% goriva 21750 kg
Radna težina - uključeno: transportna težina, pun rezervoar goriva i rukovaoc 22215 kg

STANDARDNA OPREMA

Suvi prečistač vazduha sa zaštitnim elementom i kontrolom zaprljanosti; Akumulator 2x12x135 Ah; Duvajući ventilator sa štitnikom; Vučna kuka - prednja; Pumpa za nalivanje goriva; Pedala za smanjenje gasa; Svetlo: 2 napred, 1 pozadi; Štitnici valjka; Štitnik kartera motora; Štitnik menjača; Poklopac motora i bočni poklopci; Pokretna poteznica (330 kg); Vratilo za odvod snage.

KOMANDE

Sistem komandovanja i instrument tabla omogućavaju lak i efikasan rad sa mašinom. Preglednost instrument table povećava sigurnost u radu.

Blokirana poluga menjača isključuje mogućnost neželjenog uključivanja. Nožna pedala za smanjenje gasa omogućava postizanje malih (pužnih) brzina.

HIDRAULIČNI SISTEM

Dve zupčaste pumpe protoka 229 l/min (pri 2100 o/min)

Dva razvodnika

Razvodnik I za buldozersku i anglozersku dasku i ripper sa ventilom sigurnosti (112 bar)

Komanda buldozera ili anglozera: dizanje, neutralni, spuštanje, plivajući

Komanda ripera: dizanje, neutralni, spuštanje

Razvodnik II za tilt sa ventilom sigurnosti (130 bar)

Komanda tilta: neutralni, iskretanje u levo i iskretanje u desno

CAB

Closed cab type ROPS (ISO 3471) and FOPS (ISO 3449) with safety glasses, sound and thermal isolated, with comfortable and adjustable seats. Equipped with front glass wiper, heater i and fan.

SERVICE CAPACITIES

Fuel level in tank	435 l
Cooling system	60 l
Hydroinstallation	110 l
Lubrication system:	
Engine	26 l
Torque converter, gearbox, steering clutches	140 l
Final drive	60 l
Undercarriage	7 l

WEIGHT

Transportation weight - included: anglozer attachment, movable drawbar, standard equipment, coolant, all oil and 10% of fuel 21750 kg
Operating weight - included: Transportation weight, full oil tank and operator 22215 kg

STANDARD EQUIPMENT

Dry air filter with with protective elements and soiling check out; Battery 2x12x135 Ah; Fan with shield; Draw hook - front; pump for fuel tanking Light: 2 forward, 1 rear; Roller shields; Engine crankcase shield; Gear box shield; Engine cover and side cover Movable drawbar (330 kg); Shaft for power outlet.

CONTROLS

Control system and Instrument panel allow easy and efficient operation. Visibility of the instrument panel enables safety in the work.

Transmission lock in lever eliminates undesired exclusion. Foot pedal for for gas reducing allows low (worm gears).

HYDRAULIC SYSTEM

Two gear pumps, total flow 229 l/min (at 2100 rpm)

Two distributors

Distributor I for bulldozer and anglozers blade and ripper with safety valve (112 bar)

Anglozers and bulldozer control unit: lifting, neutral, lowering, floating

Ripper control unit: neutral, lowering, floating

Distributor II for tilt with safety valve (130 bar)

Tilt control unit: neutral, tilting to the left and tilting to the right

Hidraulični cilindri duplog dejstva Hydro double acting cylinders	Broj cilindara No of cylinders	Prečnik x hod (mm) Bore x stroke (mm)
Dizanje daske (buldozer ili anglozera)/Blade lifting (bulldozer & angledozer)	2	123 x 63 x 1000
Tiltovanje (buldozer) / Tilting (bulldozer)	1	180 x 70 x 150
Ripper dizanje / Ripper lifting	2	160 x 70 x 500

OPREMA TRAKTORA

Izbor dozerskih dasaka shodno upotrebi: ravna buldozerska dasaka sa hidrauličnim tiltom upotrebljava se za rad na kratkim rastojanjima, angldozerska dasaka sa mehaničkim tiltom upotrebljava se za bočno odvajanje sa uglom zakošenja od 25° na obe strane.

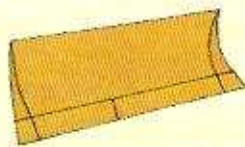
OPREMA PO ZAHTEVU

Klima uređaj; Ejektorski sistem za prečišćavanje vazduha; Akumulator tropificirani; Papuča širine 560 mm; Back up - alarm; Zaštita od vandalizma; Poteznica stabilna (160 kg); Ripper sa tri zuba.

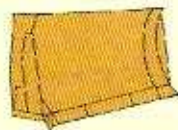
RIPER

Riper sa više zuba, hidraulično komandovan, čvrstog paralelogramskog tipa. Broj zuba se bira prema uslovima rada.

Širina grede	2220 mm
Presek grede	370x280 mm
Broj zuba	3
Rastojanje između zuba	1000 mm
Dubina zarivanja zuba	650 mm
Visina dizanja zuba	575 mm
Ugao kopanja	55°
Težina ripera	2800 kg



Angldozerska dasaka
Angle blade



Buldozerska dasaka
Straight blade



"U" daska
"U" blade



Ripper
Ripper

TRACTOR EQUIPMENT

Doser blade selection under use: flat bulldozer blade with hydraulic tilt is used for exploitation in short distance, angldozer blade with mechanic tilt is used for side breaking off with inclination angle 25° on both side.

OPTIONAL EQUIPMENT

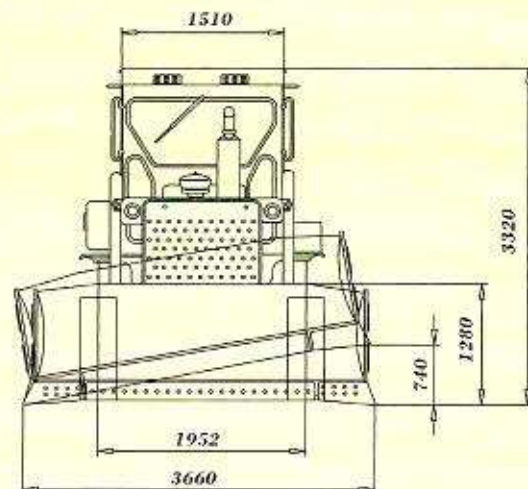
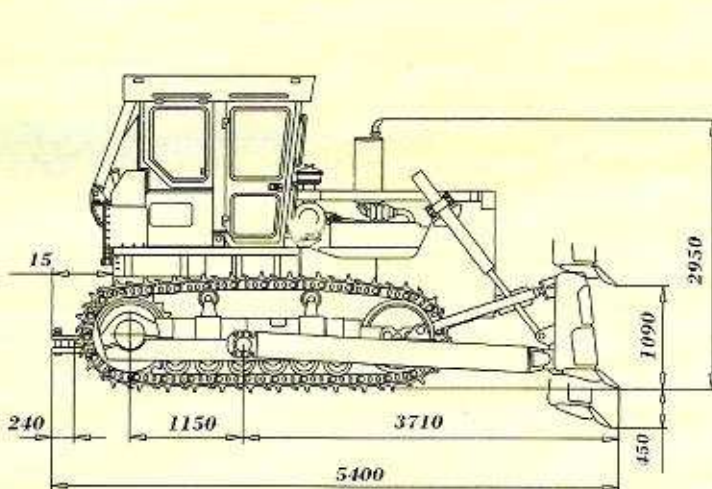
Air-conditioner device; Injection system for air filtering; Battery used for operation under tropic condition; shoe width 560 mm; Back up - alarm; Protection of destruction; Drawbar rigid (160 kg); Ripper with three shanks

RIPPER

Multiply shank ripper, hydraulic control, rigid parallelogram type. Shank number depnd on operation conditions.

Beam width	2220 mm
Cross-section beam	370x280 mm
Number of shanks	3
The distance between shank	1000 mm
Shank plunging depth.....	650 mm
Shank lifting height	575 mm
Digging angle	55°
Ripper weight	2800 kg

Tip dozera Type of dozer	Ukupna dužina sa uređajem Total length with attach	Daska (širina x visina) Blade (width x height)	Kapacitet daske SAE 1265 Blade capacity SAE 1265	Max. visina iznad zemlje Max height above ground	Max. dubina ispod zemlje Max depth below ground	Max. tilovanje Max tilt	Ukupna težina uređaja Total weight of attach	Ukupna težina mašine Total weight of machine	Specifični pritisak Specific pressure
	mm	mm	m ³	mm	mm	mm	kg	kg	kg/cm ²
Angldozer	5940	4200x950	3,36	1135	430	300	3620	22695	0,75
Buldozer	5670	3660x1280	4,53	1090	450	740	3140	22215	0,73
"U" daska	6045	3640x1280	5,75	1100	410	770	3540	22615	0,75



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