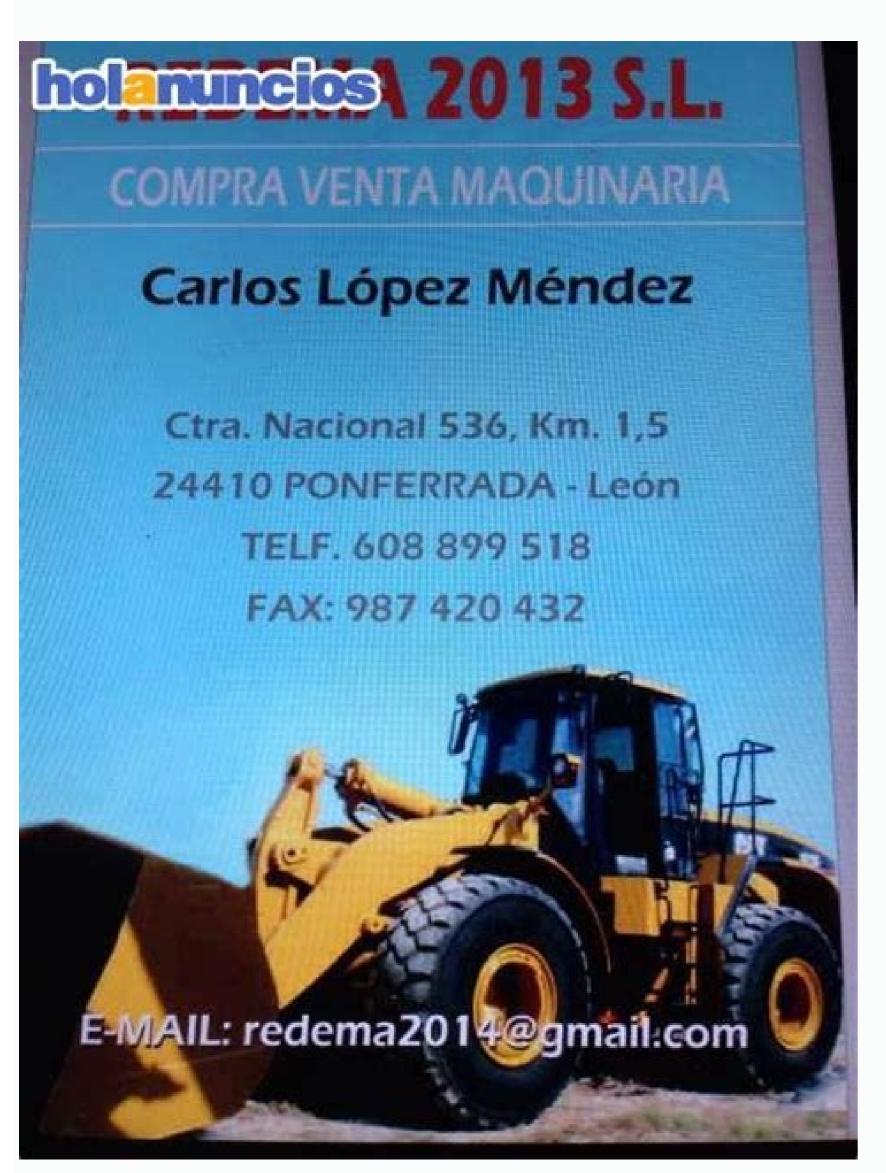
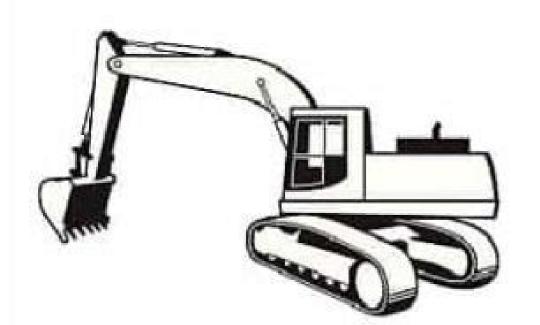
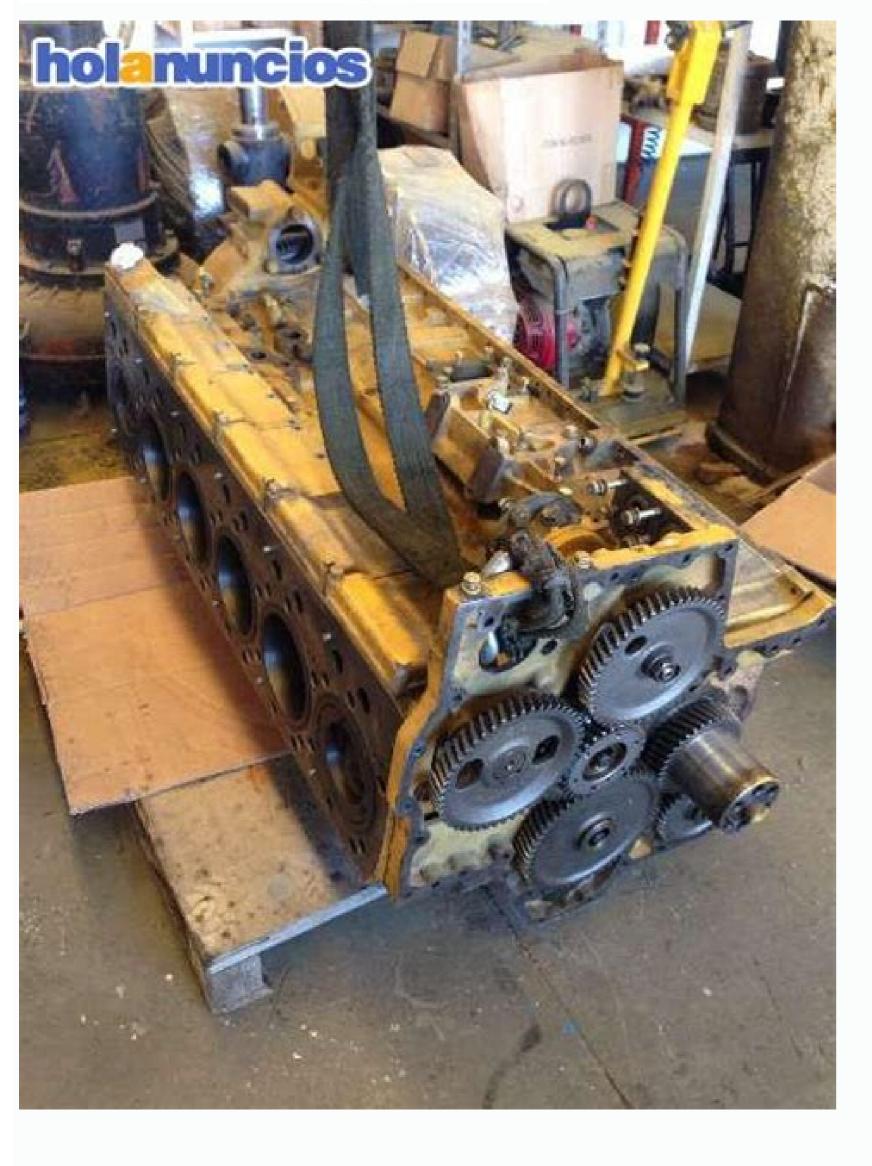
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• Operator seat can be adjusted to provide the most suitable operating posture. Therefore, it should be understood that the calculated figures do not always completely match the actual measured data. Owning and operating cost also varies depending upon the machine usage, and the calculation result differs by what job condition and factors are applied for the calculation. As a result, the bushings are turned over extremely easily. 1B-21 Coal Dozer Neither Komatsu Ltd. Some of the significant elements that comprise the operating cost factors are the consumption of fuel and lubricants, the service life of tires and undercarriage and the repair cost of components. 1A-2 CRAWLER-TYPE TRACTORS High productivity The high-power engine, highly efficient power train, large drawbar pull provided by the conventional undercarriage, and the high performance work equipment provided by the conventional undercarriage, and the high productivity. You can reduce the repair cost with the turning over the bushings drastically. When F1-R2 or F2-R2 preset pattern is selected, and travel control joystick moves from forward to reverse direction, the machine travels forward/reverse with F1/R2 or F2/R2 speed automatically. 1A-3 CRAWLER-TYPE TRACTORS • Reduction of man-hours for turning over the bushings by employment of wedge ring. This means, for example, intermediate speeds of 1st speed (4.3 km/h 2.7mph), such as 3.0 km/h 1.9 mph etc., are obtained by using the newly developed PPC valve with friction disc clutch. G-3 More precise index is shown under each section. speed Net kW (HP)/RPM k (264)/1900 179 (240)/1900 PERFORMANCE: Travel speed Forward 1st 2nd 3rd Reverse 1st 2n highly advanced undercarriage system utilizes an X-shape bogie structure with an independent see-saw movement for the track rollers. • The operator must confirm by walk-around check before starting the machine that the above- mentioned hazards do not exist. ***: Indonesia sorce *4: To top of cab q: Tier 3 and Stage 3A model Model Item D85ESS-2*** D85ESS-2A qD85EX-15E0 D85EX-15E0 (277) *) Spec conditions: Bulldozer Rear attachment Upper attachment Upper Steel cab, ROPS Semi-U tilt Giant ripper Ste (157,940) 108390 (238,960) 113200 (249,560) TRACTOR WEIGHT kg (lb) 51800 (114,200) 53200 (117,290) 83590 (184,290) 84510 (186,310) HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. 5 Snow shoe On snow • To prevent transverse slip 1) Is provided with rib. (cu.in) KOMATSU SAA6D107E-1 6-107 × 124 (4.21) imes 4.88) 6.69 (408) KOMATSU S6D125E 6-125 imes 150 (4.92 imes 5.91) 11.04 (674) KOMATSU SAA6D114E-3 6-114 imes 135 (4.49 imes 5.31) 8.27 (505) UNDERCARRIAGE: No. of rollers (carrier/track) Width of standard shoe mm (in) 2/8 860 (34) 2/8 915 (36.0) 2/8 915 (36.0) 2/8 915 (36) 2/8 760 (30) FUEL TANK CAPACITY (Refilled): ltr. • The sprocket removes any mud or soil collected between the track rails, so clogging of the track is reduced. They must not start work until they understand the machines to be used, method of construction and job site, and until they check and confirm that the operator is protected from all potential hazards. *5 : With hitch *6 : To top of ROPS canopy or cab q : Tier 3 and Stage 3A model Model Item D21A-8E0 qD31EX-22*** qD37EX-22 QD31EX-22 J1349 Net Hyd. 1,640,200 lb) MSRX (Minimal swing radius excavator) Operating weight 43,100 to approx. • To increase production or durability, the owner of a machine may want to convert a main part of the machine or attachments himself, or may want to put attachments other than a Komatsu design which is procured locally, even if it is not a special application. 1A-17 CRAWLER-TYPE TRACTORS D155A-5, D275A-5, D275 GROUND CONDITIONS AND MACHINE WEIGHT. The final objective for an owner of construction equipment is to perform the necessary construction job with the best efficiency and safety. 1B-6 BULLDOZERS *: Including dozer equipment in addition to bare tractor, excluding ROPS and cab **: L: Blade length H: Blade height ***: With ROPS cab *4: To top of ROPS cab Model Item D65E-12 D65P-12 D65EX-16*** D65PX-16*** D65PX-16*** OPERATING WEIGHT* kg (lb) 17620 (38,850) 18970 (41,820) 19180 (42,280) 20990 (46,270) BLADE CAPACITY LH2** SAE m3 (yd3) 5.12 (6.70) 3.89 (5.09) 4.80 (6.28) 3.69 (4.83) DIMENSION* A B C Overall length Overa width Overall height Ground pressure mm (ft.in) mm (ft. unit) Length Height Max. speed Net kW (HP)/RPM kW (HP) prevention of pitch squeaking. In such a case, any modifications and attachment installations that may endanger the operator must not be carried out. You are requested to consult Komatsu through its distributor. Features on new K-Bogie undercarriage system: • New K-Bogies with front and rear single bogies are utilized providing increased length of track on ground to improve machine stability. • Because there are no grousers, this shoe does not bite into the ground. The basic performance data in the handbook are the values when machines are used at ideal efficiency. 1B-1 SECTION 1B BULLDOZERS CONTENTS Blade Selection ... low. Clayey soil (P and PL) Be careful when using this part since the soil sets when dried. 1A-18 CRAWLER-TYPE TRACTORS D375A-3 SD NOTE: THE DRAWBAR PULL AND TRAVEL SPEED MAY BE SUBJECT TO CHANGE DEPENDING ON THE GROUND CONDITIONS AND MACHINE WEIGHT. Single grouser shoe *: Standard shoe **: Standard shoe **: See the classification of shoe application ***: Long track spec. G-13 GENERAL MOBILE CRUSHER & RECYCLERS Horsepower 150 to 207 kW (204 to 277 HP) FORWARDERS Max. It serves as a guide for the following cases: * Estimation of productivity for each machine * Selection of machines for purchasing construction equipment * Selection of machines for purchasing construction for purchasing construction equipment * Selection of machines for purchasing construction for purchasing construction equipment * Selection of machines for purchasing construction for purc costs. The introduction of this left and right "joystick" system permits simultaneous traveling and working, offering both ease and a shorter cycle time. Definitions — 2A-97 — — — Attachments 1B (Bulldozer) 2D 3A-167 (Log att.) 4A-44 — —1C (Ripper) 1D (Winch) Loader-5 - - - Specifications 5A-4 5B-3 8A-6 9A-3 10-3 11-3 Dimensions (shipping etc.) 5A-6 5B-4 8A-7 9A-4 - - - Component Dimensions - - - - Bucket (and Arm) Selection - - - - Undercarriage-Shoes/Tires 5A-15 - - - Ground Pressure - - - Spec. The owner of the machine should evaluate whether the equipment on the machine are enough to cover the job site condition and should equip the machine and the people with additional equipment if needed. speed Net kW (HP)/RPM kW (186)/1950 155 (207)/1950 153 (205)/1950 153 (205)/1950 116 (155)/1850 PERFORMANCE: Travel speed Forward 1st 2nd 3rd Reverse 1st 2nd 3rd Reverse 1st 2nd 3rd Reverse 1st 2nd 3rd Max. (U.S.Gal) 195 (51.5) 195 (5 cab Specifications (Low Ground Pressure Tractors) 30. In this case, the machine is used in special applications, special strengthening and/or the addition of protection structures may be needed. • Wear and damage occur rapidly when this shoe is used on general soil and rocky ground. • Good riding comfort is obtained as compared with a single grouser shoe. (D275, D375A and D575A SD) • Preset travel speed among three preset patterns, F1-R2, F2-R2 and manual shift. • The TORQFLOW transmission not only ensures smooth and responsive power shifting, but also makes instant speed and directional changes by a single lever. 1B-3 BULLDOZERS U-tiltdozer The wings on this blade minimize material spillage. (D65, D155A-5, D275A, D375A, D475A and D575A) • Double reduction final drives feature a large reduction ratio and minimize shocks to the power train components and extend the life of components • Komatsu's diesel engine delivers a strong horsepower and has a direct-injection system for fuel savings and cleaner exhaust. Rake dozer Having teeth, this blade provides good penetration into the soil for removal of stumps, roots and rocks. PPC control uses the highly reliable Komatsu hydraulic system enabling superb fine control. After receiving payment we will send you a link for download your manual (pdf
file). (D155AX-6 D275A, D275AX, D375A-6R and D475A) • Auto-shift down function Controller monitors engine speed, travel gear and travel speed. FLD00421 FVDM0808A Dual tilt Single tilt 3 4 DUAL TI LT SINGL E P I T C H D375A-5 Eng COUPLING PPC Final driveFinal drive Track Front HST pump Rear HST pump Rear HST pump Right side HST motor Left side 5 6 7 mph Travel Speed DrawbarPull 2 4 6 8 10 12 km/h US ton tonkN 400 500 600 300 200 100 0 F1 F2 F3 F3L Manual gearshift mode Automatic gearshift mode Automatic gearshift mode 70 60 50 70 60 50 40 30 20 10 0 0 12 3 4 5 6 7 mph Travel Speed DrawbarPull 2 4 6 8 10 12 km/h US ton tonkN 400 500 600 300 200 100 0 F1 F2 F3 F3L DrawbarPull Travel Speed US ton kN ton 60 50 40 30 20 10 0 0 2 4 6 8 10 12 km/h mph76543210 0 100 200 20 300 400 500 60 50 40 30 10 0 F1 F2 F3 DrawbarPull Travel Speed US ton kN ton 60 50 40 30 10 0 F1 F2 F3 DrawbarPull Travel Speed US ton kN ton 60 50 40 30 10 0 F1 F2 F3 DrawbarPull Travel Speed US ton kN ton 60 50 40 30 10 0 F1 F2 F3 DrawbarPull Travel Speed US ton kN ton 60 50 40 30 10 0 F1 F2 F3 DrawbarPull Travel Speed US ton kN ton 60 50 40 30 10 0 F1 F2 F3 DrawbarPull Travel Speed US ton kN ton 60 50 40 30 10 0 F1 F2 F3 DrawbarPull Travel Speed US ton kN ton 60 50 40 30 10 0 F1 F2 F3 F1 Lockup F3 Lockup x 103 lb x 103 kg 0 50 100 150 200 DRAWBARPULL TRAVEL SPEED F3 (LOCK UP) F2 (T/C) F2(T/C) of the track shoes. Useful for road construction, back filling etc. Pushing the joystick forward results in forward machine travel, while pulling it rearward reverses the machine. Parking brake is wet, multiple-disc type with a unique drag-prevention control to keep hydraulic oil clean. Travel Speed 35. Nevertheless, handbook users will be able to make proper approximate calculations based on the data given in the handbook, their work experience and knowledge of local conditions. Machine use factors 1) Operator's protection from hazard The employer has a duty to secure the safety of operators. • Due to carelessness, the people working around the machine may suffer injury when the machine reverses, turns, and the attachment moves, etc. (D375A-6, D475A-5E0 and D475ASD-5E0) • Automatic transmission with lockup torque converter A sharp reduction in fuel consumption and greater power train efficiency is achieved by the new automatic transmission and lock up torque converter. drawbar pull km/h (MPH) kg (lb/kN) 3.5 $(2.2)\ 6.8\ (4.2)\ 11.8\ (7.3)\ 4.6\ (2.9)\ 8.9\ (5.5)\ 15.8\ (9.8)\ -3.5\ (2.2)\ 6.8\ (4.2)\ 11.8\ (7.0)\ 14.0\ (8.7)\ -3.3\ (2.1)\ 6.2\ (3.9)\ 11.2\ (7.0)\ 14.0\ (8.7)\ 11.2\ (7.0)\ 14.0\ (8.7)\ 11.2\ (7.0)\ 14.0\ (8.7)\ 11.2\ (7.0)\ 14.0\ (8.7)\ 11.2\ (7.0)\ 14.0\ (8.7)\ 11.2\ (7.0)\ 14.0\ (8.7)\ 11.2\ (7.0)\ 14.0\ (8.7)\ 11.2\ (7.0)\ 14.0\ (8.7)\ 11.2\ (7$ Track gauge Length of track on ground mm (ft.in) mm (ft 11565 (37'11") 3660 (12') 5265 (17'3") 3660 (12') 5265 (17'3") 3660 (12') 4646 (15'3") 2770 (9'1") 4524 (14'10") 6680 (21'11") 10525 (34'6") 3610 (11'10") ENGINE: Model No. of cylinders- bore × stroke Piston displacement mm (in) ltr. 1B-6 Power-tilt power-pitch dozer because of Komatsu's fundamental program of conducting continuous improvements on its products. 5) Use of special application machine for special application, but does not include every special application machine because of the limited number of pages. Although sand and soil tend to enter more, they can be easily discharged and this part is being employed. 1A-10 CRAWLER-TYPE TRACTORS **: Without canopy or cab, exhaust pipe, pre-cleaner cap or other easily removed encumbrances. 1A-14 Drawbar Pull vs. • Hydraulic drive radiator cooling fan The engine cooling fan rotation speed is • Fuel efficient electronic controlled engine The engine is EPA Tier 3 and EU Stage 3A emission regulation certified. In such a case, it is recommended that Komatsu should be consulted through the distributor. (1) Rocky ground (2) Cold areas (below -25°C) (3) Hot areas (above 65°C) • Because there are no grouser, this shoe does not bite into the ground. • Steering clutches and brakes are interconnected for easy operation. SIGMADOZER A new frontal design concept adopted for digging and rolling up at the center of the blade increases soil holding capacity, simultaneously reducing sideway spillage. (Prevents sidesliding of the track shoes.) Types Determination criterion for different working environments Not full roller guard Add-on full roller guard Add-o Various widths are available to suit the degree of softness of the swampy ground. Therefore, operations and safety. • Palm Command PPC Controlled Blade Control Joystick Blade control joystick uses the PPC (Proportional Pressure Control) valve and palm command joystick the same as travel control joystick. It is essential to perform daily check & maintenance and periodic inspection & maintenance procedures shown in the operation manual of each machine. 1B-4 Blade Specifications: Straight-tiltdozer These expenditures are discussed in the section entitled Owning & Operating Costs. • Equip a machine with a fire extinguisher in preparation for emergency. (cu.in) KOMATSU SAA6D140E-3 6-140 × 165 (5.51 × 6.50) 15.24 (930) KOMATSU SAA6D140E-3 6-140 × 165 (5.51 × 6.50) 15.24 (930) KOMATSU SAA6D140E-3 6-140 × 165 (5.51 × 6.50) 15.24 (930) UNDERCARRIAGE: No. of rollers (carrier/track) Width of standard shoe mm (in) 2/6 560 (22.0) 2/7 560 (22 engineer. (Note 1) Swamp (PL and PLL) The part is effective for prevention of snaking of the track. G-14 GENERAL ENGINES Piston displacement 3.92 to 61.8 Itr (239 to 3771 cu in) S6D108E SAA6D107E S4D95LE SAA4D95LE SA12V170E SA12V170E SA12V140 SDA12V140 SA6D170E SA6D114E EGS850BS-6 EGS760BS-6 EGS760BS-6 EGS760BS-6 EGS360BS-6 EGS300BS-6 (6.2) 12.7 (7.9) — 3.6 (2.2) 6.0 (3.7) 10.0 (6.2) 4.7 (2.9) 7.9 (4.9) 12.7 (7.9) — DIMENSIONS: Overall height (tractor)** Overall height (tractor) overall 3.26 (199) KOMATSU SAA4D95LE-5 $4-95 \times 115$ (3.74 $\times 4.53$) 3.26 (199) UNDERCARRIAGE: No. of rollers (carrier/track) Width of standard shoe mm (in) 1/5 300 (11.8) 1/6 400 (15.7) 1/6 400 (15.7) 1/6 400 (15.7) 1/6 400 (15.7) travel speed mode *4: With hitch *5: To top of ROPS canopy or cab q: Tier 3 and Stage 3A model Model Item D21P-8E0 qD31PX-22** qD31PX-22 SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. Types Determination criterion for different working environments
Full roller guard Bogie full roller guard Split type full roller guard Rocks and soil containing boulders and gravel (A and E) The part is effective for prevention of catching pebbles. This handbook is revised yearly. Travel Speed 32. Travel • If an additional protection device is needed on the machine for operator protection, the Komatsu distributor should be consulted. If any problems are fixed. This chart provides clearer criterion for the choices in consideration of respective functions of different forms are fixed. This chart provides clearer criterion for the choices in consideration of respective functions of different forms. types of track roller guards. (This function can be deactivated with cancel switch). 1,598,300 lb) HYDRAULIC EXCAVATORS (Wheel type) Operating weight 8,620 to 22,390 kg (19,000 to 49,360 lb) PC1250SP-8 (R) PC1250SP-8 machine that has ample strength for the job. Features on K-Bogie Undercarriage System: • K-bogies oscillate with two fulcrums, and track roller vertical travel is greatly increased. drawbar pull km/h (MPH) kg (lb/kN) 2.6 (1.6) 4.4 (2.7) — 3.3 (2.1) 5.6 (3.5) 4.1 (2.5) 6.5 (4.0) 8.5 (5.3) 4.1 (2.5) 6.5 (4.0) 8.5 (5.3) 15300 (33,730/150) 0 to 8.5 (5.3) — 0 to 8.5 (5.3) — 0 to 8.5 (5.3) — 15300 (33,730/150) 3.4 (2.1) 5.6 (3.5) 8.5 (5.3) 4.1 (2.5) 6.5 (4.0) 8.5 (5.3) 15300 (33,730/150) DIMENSIONS: Overall height (tractor)** Overall height (tract rakedozer Straight-rakedozer Shear blade Trimming dozer Straight-tiltdozer Straight dozer Straig tiltdozer Wide power angle-tiltdozer Mechanical angle power tiltdozer Semi-U-tiltdozer Strengthened U-tiltdozer rake dozer Semi-U-dual tiltdozer Strengthened U-dual tiltdozer Str rocky ground, and bending and other damage may occur. (cu.in) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 124 (4.21 \times 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 \times 1 (carrier/track) Width of standard shoe mm (in) 1/6 400 (15.7) 1/6 460 (18.1) 1/6 460 (302)/1900 268 (360)/1900 264 (354)/1900 239 (320)/1900 268 (360)/ fitting to respective working environments. fan at max. However, when it is necessary to have lower noise than a regulation level of the area, it is possible to reduce noise levels by modifying the machine. (Note 1) Although soil and sand tend to enter less, once they enter, they may not be easily discharged depending on the type of soil, so make the choice in consideration of past experience with machines having been used in the subject area and of the working environments of the machine. These cannot be used on ground where there are scattered rocks. FVBH0305 Torque converter Engine Transmission FKD00444 FZD00685 Idler Sprocket X-bogie system Features 18. • The owner of a machine needs to maintain a machine by daily checks so that the causes described above do not exist. Travel Speed 34. With a sturdy construction, this blade is suitable for powerful cutting and dozing, especially heavy cutting on rocky ground. 1B-22 Production. in addition to bare tractor, excluding ROPS and cab **: L: Blade length H: Blade height ***: With ROPS cab *4: To top of ROPS cab Model Item D65P-12 D65PX-16*** OPERATING WEIGHT* kg (lb) 19670 (43,360) 21050 (46,410) BLADE CAPACITY LH2** SAE m3 (yd3) 3.69 (4.83) DIMENSION* A B C Overall length Overall width Overall width Overall visit in addition to bare tractor, excluding ROPS and cab **: L: Blade height ***: With ROPS cab *4: To top of ROPS cab Model Item D65P-12 D65PX-16*** OPERATING WEIGHT* kg (lb) 19670 (43,360) 21050 (46,410) BLADE CAPACITY LH2** SAE m3 (yd3) 3.69 (4.83) DIMENSION* A B C Overall length Overall width Ov height Ground pressure mm (ft.in) mm (ft.in occur. Shoe Application 38. Reduced digging resistance produces smoother flow of earth, enabling the dozing of large quantities of soil with less power. They cannot be used on rocky ground. (Manual gearshift mode is selectable with a switch) (D155AX-6) Fulcrum of major bogie Fulcrum of minor bogie Features 23. (U.S.Gal) 195 (51.5) 195
(51.5) 195 (51.5) 270 (71) *) Spec conditions: Bulldozer Rear attachment Upper attachment PAT — ROPS canopy PAT — ROPS canop 10 kg 3 3 20 40 60 80 100 120 140 0 100 200 300 400 500 600 700 0 F3 F2 F1 Drawbar Pull vs. Model Item D575A-3 SD OPERATING WEIGHT kg (lb) 98450 (217,040) 114580 (252,600) HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. G-8 GENERAL 3) Prevention of fire The owner and operator of a construction machine must follow the machine with top-of-the-line service products and consumables that meet increasing industry demands. 1B-10 Semi-U-(D31/D37/D39-22, D61, D65EX/PX/WX, D85EX/ PX, D155AX-6, D275, D375A, D475A, D475A SD and D575A SD) FLD00456 FZDM0699 Forward/reverse Blade control lever Speed direction control lever Speed Steering Raise/lower Tilt Angle Right sprocket Left sprocket Forward and reverse PCCS travel control lever PCCS blade control lever Right and left steering First, to second, to third shifting Lifting and lowering Tilting Left and right angling FVBH0229 Features 20. G-5 GENERAL From here go to appropriate sub-section index page Only the first page of each section is shown in above table. You can consult with the distributor, salesman, or Komatsu application engineer for additional details. (cu.in) KOMATSU SAA6D125E-5 6-125 \times 150 (4.9 \times 5.91) 11.04 (674) Width of standard shoe mm (in) 2/8 910 (36) 2/8 910 (36) FUEL TANK CAPACITY (Refilled): ltr. • Komatsu sells machines that conform to the surrounding noise level regulation in the area sold. 1A-9 CRAWLER-TYPE TRACTORS **: Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances. 1A-11 CRAWLER TYPE TRACTORS **: Without canopy or cab, exhaust pipe, pre-cleaner cap or other easily removed encumbrances. The 3-speed to match specific jobs. This contributes to increased job efficiency on fine or rough grading operation with optimum travel speed to match job conditions. 2) Tail of plate has been eliminated. • The road surface is liable to be roughed. We accept 1. You can consult with the distributor, salesman, or application engineer of Komatsu. G-4 GENERAL From here go to appropriate sub-section index page Only the first page of each section is shown in above table. Preface 7. drawbar pull km/h (MPH) (3.5) kg (lb/kN) 0 to 8.5 (5.3) - 15300 (32,630/145) 3.4 (2.1) 5.6 (3.5) 8.5 (5.3) - 14800 (32,630/145) 0 to 8.5 (5.3) - 14800 (32,630/145) 3.4 (2.1) 5.6 (3.5) 8.5 (5.3) - 15300 (32,630/145) 0 to 8.5 (5.3) - 10 to 8.5 (5.3) - 10 to 8.5 (5.3) - 10 to 8.5 (5.3) - 15300 (32,630/145) 3.4 (2.1) 5.6 (3.5) 8.5 (5.3) - 10 to 8.5 (5.3) control-type single lever for steering/directional and speed change All speed and directional changes, 1st to 3rd forward and reverse, and right-and left. 8 Center hole shoe Soil which clogs • There is a hole in the plate to remove any mud or soil. The means the machine is always operating at maximum efficiency. (Large Class) • Strengthening of undercarriage by increase of press fitting width of pin. G-2 3. Since this blade is suitable for moving lighter or loose materials over long distances. Extreme service shoe Swamp shoe (Circular arc shape) *: Standards over long distances. shoe **: See the classification of shoe application Model Shoe width mm (in.) Ground contact area m2 (in2) Ground pressure kg/cm2 (PSI/kPa) Application** D155A-6 560 (22) 3.53 (5472) 0.93 (13.2/91.2) A 610 (24) 3.84 $810\ (32)\ 6.22\ (9640)\ 0.84\ (11.9/82.4)\ C\ D375A-6\ 610\ (24)*4.86\ (7527)\ 1.10\ (15.6/108)\ A\ 710\ (28)\ 5.65\ (8760)\ 0.95\ (13.5/93.2)\ B\ 810\ (32)\ 6.45\ (9990)\ 0.85\ (12.1/83.4)\ C\ D375A-6\ 610\ (24)*4.86\ (7527)\ 1.10\ (15.6/108)\ A\ 710\ (28)*6.42\ (9957)\ 1.30\ (18.5/128)\ A$ $810\ (32)\ 7.33\ (11360)\ 1.15\ (16.4/113)\ B\ 910\ (36)\ 8.23\ (12762)\ 1.04\ (14.8/102)\ C\ D575A-3\ 760\ (30)\ 6.89\ (10670)\ 1.41\ (19.1/137.3)\ A\ 810\ (32)\ 7.34\ (11380)\ 1.33\ (18.8/129.4)\ B\ 860\ (34)*\ 7.79\ (12080)\ 1.26\ (17.8/122.6)\ B\ 910\ (36)\ 8.25\ (12780)\ 1.19\ (1380)\ 1.37\ (1380)\ 1.3$ (16.9/116.7) C D575A-3 SD 860 (34)* 9.43 (14620) 1.22 (17.3/119.6) A,B 910 (36) 9.98 (15470) 1.15 (16.4/112.8) B Model Shoe width mm (in.) Ground contact area m2 (in2) Ground pressure kg/cm2 (PSI/kPa) Application** D31PX-22 600 (23.6) 2.69 (4170) 0.26 (3.70/25.5) C D39PX-22 700 (27.6) $3.30\ (3800)\ 0.27\ (3.84/26.5)\ C\ D61PX-15E0\ 860\ (33.9)\ 5.45\ (8447)\ 0.28\ (3.98/27.5)\ C\ D65PX-16\ 940\ (37.4)\ 6.24\ (9670)\ 0.27\ (3.84/25.4)\ C\ D65PX-16\ 940\ (37.0)\ 6.18\ (9579)\ 0.31\ (4.41/30.4)\ C\ D65PX-15R\ 910\ (36)*$ is an arc, the ground contact area is large, and buoyancy is easily obtained. The part prevents stones from entering between rollers on the rocky soil The part is effective for prevention of disengagement or side-sliding of the track shoes. tilting adjustment Digging angle (Available stepless angle 2760 (9'1")*6 2760 (9'1") 1510 (4'11") 2185 (7'2") 3220 (10'7") 4175 (13'8") 1910 (6'3") 2550 (8'4") 2760 (9'1")*6 2760 (9'1") 1510 (4'11") 2240 (7'4") ENGINE: Model No. of cylinders- bore × stroke Piston displacement mm (in) ltr. 3 • Tripple grouse shoe • Double grouser shoe Hard ground Suitable for both soft and hard ground (for hydraulic excavator and dozer shovel) • The three grousers have the same height, hence turning ability is good. (U.S.Gal) 60 (15.9) 195 (51.5) 195 (conditions: Bulldozer Rear attachment Upper attachment Upper attachment Semi-U tilt Multi-shank ripper Steel cab, ROPS Semi-U tilt Giant ripper Steel cab, ROPS Specifications 27. tilting adjustment Digging angle kg (lb) mm (ft.in) mm (ft.in) mm (ft.in) mm (ft.in) mm (ft.in) Bulldozer Rear attachment Upper attachment Upper attachment Angledozer Winch Sweep canopy Angledozer Multi-shank ripper Canopy Semi-U tilt Multi-shank ripper Steel cab, ROPS Model Item D155A-5 D155A-6 q D155AX-6 D275A-5 OPERATING WEIGHT* kg (lb) 38700 (85,320) 41700 (91,930) 39500 (87,100) 49850 (109,900) TRACTOR WEIGHT kg (lb) 27900 (61,510) 32300 (71,200) 31000 (68,350) 37680 (83,070) HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. G-11 GENERAL WHEEL LOADERS Bucket capacity 0.6 to 20 m3 (0.8 to26.2 yd3) (C) indicates custom series. [Except D21] • Simple maintenance is promoted through adoption of spin-or OPERATING WEIGHT* kg (lb) 27650 (60,960) 27550 (60,740) TRACTOR WEIGHT kg (lb) 23500 (51,810) 23400 (51,590) HORSEPOWER SAE [1995 Gross ISO9249/SAE [1349 Net Hyd. • Walk-through operator compartment provides easy boarding and exiting. drawbar
pull km/h (MPH) kg (lb/kN) 3.9 (2.4) 6.8 (4.2) 10.6 (6.6) 5.0 (3.1) 8.6 (5.3) 13.4 on ground mm (ft.in) TOWING WINCHES PIPELAYERS TRIMMING DOZERS INDEX CONTENTS 16. *5 : To top of ROPS cab *6 : For USA q : Tier 3 and Stage 3A model Model Item qD61EX-15E0 *4 D65E-12 qD65EX-16 OPERATING WEIGHT kg (lb) 13920 (30,690) 14520 (32,010) 15620 (34,440) 17120 (37,740) HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. 1A-23 Roller Guard Installation (D61, D65, D155A-5, D155AX, D275, D375A, D475A and D575A) CURRENT NEW PRESS FITTING WIDTH WIDE NARROW Link pin Track link Bushing Dust seal NEWCURRENT Track grouser shoe, the grouser and plate portions of this shoe are thicker and stronger, providing high bending resistance and wear resistance. Is available in various widths to suit the softness of the soil. This system increases fuel efficiency, reduces the operating noise levels and requires less horsepower than belt driven fan. q: Tier 3 and Stage 3A model Model Item D275A-5R qD275AX-5E0 D375A-5 Information Application Information Demolition Trimming Dozer Productivity O & O Costs Benefits — — — Features — 1F-3 — Model Selection 2G-2 1F-3 — Model and Application — — — Specifications — 1F-7 — Dimensions — — — Working Range — — — Undercarriage-Shoes/Tires — 1F-6 — 15-22 Tire Life Ground Pressure and Pressure Standard Equipment — 1F-5 — Attachment 2G-4 — — Production — — 14A Calc. Semi-U-tiltdozer The blade combines penetration ability of straight blade with increased load capacity provided by short wings which include only the end bits. An optimum blade cutting angle for all types of materials and ground inclinations can be selected for increased loads and consequently increased production. Search by part number in all books Komatsu, Dressta, Doosan parts books Use your manual as you want Choose your type then model then manual type from the list below. A fast tilt speed and a large tilt angle also concentrate blade force where maximum penetration is needed. The data and tables in the handbook are based on Komatsu's bench and field tests, computer analysis and many years of experience. Method — Related Products (by model designation) — — — — — — — — — — — — — — — — — — Construction Methods 2G-2 1F-2 — Earthmoving Data — — (1'6") 870 (2'10") 55 2620 (5,780) 3970 (13') 1100 (3'7") 1200 (3'11") 445 (1'6") 890 (2'11") 57 2060 (4540) 3415 (1' 2") 1225 (4'0") 1100 (3'7") 1225 (4'0") 15 Model Item D85ESS-2A D85EX-15E0 D85EX-15E0 D85EX-15E0 OPERATING WEIGHT* kg (lb) 18230 (40,190) 24550 (54,120) 24450 (53,900) 26870 (59,240) BLADE CAPACITY LH2 ** SAE m3 (yd3) 6.1 (7.98) 4.4 (5.76) 7.66 (10.02) 5.2 (6.8) 7.6 0.60 (8.53) 5640 (18'6") 3715 (12'2") 3330 (10'11") 0.72 (10.21) 5640 (18'6") 3715 (12'2") 37 BULLDOZERS Horsepower 32.4 to 168 kW (43.4 to 225 HP) D575A-3 SD D275A-5 D275AX-5E0 D275A-5 D275AX-5E0 D85PX-15E0 D85PX-1 D85ESS-2 D85ESS-2Â D575A-3 D475ASD-5E0 D475A-5E0 D375A-6R D375A-6R D375A-6R D375A-6R D375A-6R D375A-5R PIPELAYERS Horsepower 168 to 269 kW (225 to 360 HP) D355C-3 D155C-1 D85C-21 D65EX-16 D65E access to a machine or worsen the function of brake, steering and ROPS, stability of a machine, etc., must not be performed. (cu.in) KOMATSU SAA6D170E-5 6-170 × 170 (6.69 × 6.69) 23.15 (1413) KOMATSU SAA6D170E-5 (1413) KOMATSU SAA6 SAA12V140E-5 12-140 × 165 (5.51 × 6.50) UNDERCARRIAGE: No. of rollers (carrier/track) Width of standard shoe mm (in) 2/7 610 (24.0) 2/8 810 (32.0) FUEL TANK CAPACITY (Refilled): ltr. drawbar pull km/h (MPH) kg (lb/kN) 3.7 (2.3) 6.7 (4.2) 11.0 (6.8) 5.0 (3.1) 8.2 (5.1) 13.9 (8.6) — 3.9 (2.4) 5.7 (3.5) 11.4 (7.1) 4.7 (2.9) 6.8 (4.2) 13.7 (8.5) — 3.8 (2.4) 5.6 (3.5) 11.6 (7.2) 14.0 (8.7) — 3.8 (2.4) 5.6 (3.5) 11.6 (7.2) 14.0 (8.7) — 3.8 (2.4) 6.7 (4.2) 11.2 (7.0) 4.9 (3.0) 8.7 (5.4) 14.9 (9.3) — DIMENSIONS: Overall height (tractor)** Overall height (t mm (ft.in) 5255 (17'3") 9290 (30'6") 2925 (9'7") 4300 (14'1") 3160 (10'4") 3985 (13'1") 2260 (7'5") 3480 (11'5") ENGINE: Model No. of cylinders- bore × stroke Piston displacement mm (in) ltr. • Automatic shift between 1st and 2nd speed depending on load or ground conditions to facilitate efficient operation. 1A-7 CRAWLER-TYPE TRACTORS • K-Bogie undercarriage system (8-roller, oscillating idler) New K-Bogie Undercarriage System combines prior advantages with new additional features. 1A-25 CRAWLER-TYPE TRACTORS Roller guard installation (Bulldozer) Small-middle Class When using bulldozers, it is necessary to make most appropriate choices of
the track roller guards fitting to respective working environments. 1B-15 SIGMADOZER, Sigma power-pitch dozer Power angle-tiltdozer Power angle-tiltdozer Power angle-tiltdozer sigma power-pitch dozer FVDM1660 50 50 40 30 20 10 0 40 30 20 10 0 0 0 1 2 3 4 5 6 7 mph Travel Speed DrawbarPull 2 4 6 8 10 12 km/h US ton tonkN 400 300 200 100 0 F1 F3 F2 FVBH0265 0 10 20 30 40 0 2 4 6 8 10 0 1 2 3 4 TRAVEL SPEED DRAWBARPULL 5 6 km/h MPH x kN x 10 lbkg x 10 kg 3 3 0 20 40 60 80 0 100 200 300 400 F3 F2 F1 50 50 40 30 20 10 0 40 30 20 10 0 0 0 1 2 3 4 5 6 7 mph Travel Speed DrawbarPull 2 4 6 8 10 12km/h US ton tonkN 400 300 200 100 0 F1 F2 F3 F3L Manual gearshift mode Automatic gearshift mode FVBH0316 20 10 0 0 2 4 6 8 10 12 14 0 1 2 3 4 TRABEL SPEED DRAWBARPULL 5 6 7 8 km/h MPH 30 x kN x 10 lbkg x 10 kg 3 3 20 40 60 0 100 200 0 F3 F1 F2 FVBH0264 60 50 40 30 20 10 0 0 2 4 6 8 10 12 14 0 1 2 3 4 TRABEL SPEED DRAWBARPULL 5 6 7 8 km/h MPH 70 x kN x 10 lbkg x 10 kg 3 3 20 40 60 80 100 120 140 0 100 200 300 400 500 600 700 0 F3 F2 F1 Drawbar Pull vs. (D61, D65, D85, D155A-5/D155AX, D275, D375A, D475A and D575A) KomStat Hydrostatic Transmission • 3-speed HST The D31/D37/D39-22 are equipped with Komatsu's exclusive KomStat Hydrostatic Transmission (HST) consists of dual-path and closed-circuit with two variable displacement piston pumps and two 3-speed variable displacement travel motors. If the owner of the machine makes modification himself without consulting Komatsu, there are risks of generating problems in the performance, durability and safety of the machine. With this "Komatsu Technology", and adding customer feedback, Komatsu is achieving great advancements in technology. (cu.in) KOMATSU SAA6D140E-5 6-140 \times 165 (5.51 \times 6.50) 11.04 (674) KOMATSU SA6D170E-3 6-170 \times 170 (6.69 \times 6.69) 23.15 (1413) KOMATSU SAA6D170E-5 6-170 × 170 (6.69 × 6.69) 23.15 (1413) UNDERCARRIAGE: No. of rollers (carrier/track) Width of standard shoe mm (in) 2/7 610 (24.0) 2/8 610 (24.0) 2/7 610 (24.0) 2/8 610 (24.0) 2/8 610 (24.0) ET ansmission ensures not only efficient power transmitting ability for reduced fuel costs, but also a single-lever speed control and F/R directional changes for easy operation. (cu.in) KOMATSU SAA6D107E-1 6-107 × 124 (4.21 × 4.88) 6.69 (408) KOMATSU 6D125E-2 6 -125 × 150 (4.92 × 5.91) 11.04 (674) KOMATSU SAA6D114E-3 6 - 114 × 135 (4.49 × 5.31) 8.27 (505) UNDERCARRIAGE: No. of rollers (carrier/track) Width of standard shoe mm (in) 2/7 600 (23.6) 2/8 600 (23.6) 2/8 600 (23.6) 2/7 510 (20.1) 2/7 139 (186)/1950 155 (207)/1950 153 (205)/1950 153 (205)/1950 153 (205)/1950 153 (205)/1950 153 (205)/1950 153 (205)/1950 153 (2.2) 5.5 (3.4) 11.2 (7.0) 4.4 (2.7) 6.6 (4.1) 13.4 (8.3) — 3.6 (2.2) 5.5 (3.4) 11.2 (7.0) 4.4 (2.7) 6.6 (4.1) 13.4 (8.3) — 3.6 (2.2) 5.5 (3.4) 11.2 (7.0) 4.4 (2.7) 6.6 (4.1) 13.4 (8.3) — 3.6 (2.2) 5.5 (3.4) 11.2 (7.0) 4.4 (2.7) 6.6 (4.1) 13.4 (8.3) (8.3) — 3.4 (2.1) 5.8 (3.6) 9.0 (6.0) 4.4 (2.7) 7.6 (4.7) 11.3 (7.0) — DIMENSIONS: Overall length (tractor)** Overall length (tractor) overall len (14'3") 5790 (19'0") 2610 (8'7") 3870 (12'8") 3155 (10'4")*5 3155 (10'4")*5 3155 (10'4") 2980 (9'9") 4335 (14'3") 5790 (19'0") 2980 (9'9") 4335 (14'3") 5790 (19'0") 2980 (9'9") 4335 (14'3") 5790 (19'0") 2980 (9'9") 4335 (14'3") 5790 (19'0") 2980 (9'9") 4335 (14'3") 5790 (19'0") 2980 (9'9") 4335 (14'3") 5790 (19'0") 2980 (9'9") 4335 (14'3") 5790 (19'0") 2980 (9'9") 4335 (14'3") 5790 (19'0") 2980 (9'9") 4335 (14'3") 5790 (19'0") 2980 (19'0") 2 2305 (7'7") 3135 (10'3") 1925 (6'4") 2930 (9'7") ENGINE: Model No. of cylinders- bore × stroke Piston displacement of a machine The most important factor to maximize machine operation is performing maintenance and management of the machine correctly. 6 Flat shoe Paved roads Indoor work • Projections have been eliminated (heads of shoe bolts are recessed), permitting work on paved roads without damaging road surface. (cu.in) KOMATSU SAA4D107E-1 4-107 × 124 (4.21 × 4.88) 4.46 (272) KOMATSU SAA4D107E-1 4-107 × 124 (4.21 × 4.88) 4.46 (272) KOMATSU SAA6D107E-1 6-107 × 124 (4.21 × 4.88) 6.69 (408) UNDERCARRIAGE: No. of rollers (carrier/track) Width of standard shoe mm (in) 1/6 600 (23.6) 1/6 635 (25.0) 2/7 710 (28) FUEL TANK CAPACITY (Refilled): ltr. (UU) 2C LIFTING CAPACITY 2D ATTACHMENTS 2E LOADING SHOVELS 2F WHEEL-TYPE EXCAVATORS 2G DEMOLITION 2H SCRAP & MATERIAL HANDLING 2J SPECIAL APPLICATION MACHINES 3 WHEEL LOADERS 3B ROLLERS 5C TIRE ROLLERS 6 BACKHOE LOADERS 7 COMPACT LOADERS 7A SKID STEER LOADERS 7A SKID STEER LOADERS 8A MOBILE CRUSHERS & RECYCLERS 8B MOBILE SOIL RECYCLERS 9 FOREST MACHINES 9 FOREST MACHINES 9A HARVESTERS 9B FORWARDERS 9C TRACKED FELLER BUNCHERS & HARVESTER 9D HARVESTER HEADS 10 GENERATOR SETS 11 ENGINES 12 TIRES 12 TIRES 12 TIRES 13 RECOMMENDATION 13A FOR SEVERE ENVIRONMENTS 13B FOR MINING 14 PRODUCTIVITY 14B EARTHMOVING DATA 15 OWNING & OPERATING COSTS 15 OWNING & OPERATING COSTS 16 UNIT CONVERSION TABLES 16 UNIT CONVERSION TABLES INDEX 4. Products We offer a wide variety of Komatsu spare parts. Preface 9. • Unique dust seals prevent dust from entering into pin-to-bushing clearance for extended service. Simply tilt the 20 10 0 0 2 4 6 8 10 12 14 km/h 120 tonkN 400 500 600 300 200 100 0 700 800 900 1000 1100 0 1 2 3 4 5 6 87 mph 70 60 50 40 30 20 10 0 US ton 80 90 100 110 130 120 Travel Speed DrawbarPull F1 F1 F2 F3L F2 F3 F3 Manual gearshift mode Automatic gearshift mode 0 0 000 200 400 600 800 1000 1200 1400 1600 1800 2 4 6 8 10 12 km/h ton kN USton MPH TRAVEL SPEED DRAWBARPULL 2 4 6 20 40 60 80 100 120 140 F1(Lockup) 160 180 20 40 60 80 100 120 140 160 180 200 F2(Lockup) F2 F3 F1 FVBH0252 Drawbar Pull vs. Job efficiency factors 1) Skill of operator In order to obtain high productivity, the skill of the operator needs to match the performance of the machine. lift above ground Max. 1A-16 CRAWLER-TYPE TRACTORS D61EX-15E0 D65E-12 D65EX-16, D65EX-16, D65EX-16 D65ES-12 D85EX-15E0 D85ES-2, D85ES-2A D85EX-15E0 D85ES-2 D85ES-2A D85EX-15E0 D85ES-2 D85EX-15E0 D85ES-12 D85EX-15E0 D85ES-12 D85EX-15E0 D85ES-12 D85EX-15E0 D85EX-15E through rubber shock absorber reduces vibration and shock. 1B-5 BULLDOZERS *: With spill guard Model D85-2A D85-15E0 D85 angle-tiltdozer Mechanical angle power tiltdozer Semi-U-tiltdozer Strengthened semi-U-tiltdozer Strengthened U-tiltdozer dual tiltdozer Strengthened semi-U-dual tiltdozer Strengthened U-dual tiltdozer Strengthened U-dual tiltdozer Strengthened U-tiltdozer Strengthene Mechanical tilt coal dozer Power tilt coal dozer Power tilt coal dozer Cushion dozer Welded type pusher plate Bolt-on type pusher plate Angle-rake dozer Straight-rake dozer Straight rock rake doze Strengthened SIGMADOZER Blade Availability 49.
This is available when optional dual tilt dozer is installed.) (D61, D65EX/PX, D85EX/PX, D155AX-6, D275, D375A, D475A SD and D575A SD) Easy maintenance • Bolt-on type sprocket or segmented sprocket teeth for easy in-field replacement. (Note 1) Slopes The part is effective for prevention of disengagement of the track shoes. 1A-15 CRAWLER-TYPE TRACTORS ** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances. • It is quite difficult to prevent the vibration of the land and flying debris by modification of the machine. drawbar pull km/h (MPH) kg (lb/kN) 3.2 (2.0) 5.6 (3.5) 8.7 (5.4) 4.3 (2.7) 7.2 (4.5) 11.0 (6.8) — 3.2 (2.0) 5.6 (3.5) 8.7 (5.4) 4.3 (2.7) 7.2 (4.5) 11.0 (6.8) — 3.6 (2.2) 5.5 (3.4) 11.2 (7.0) 4.4 (2.7) 6.6 (4.1) 13.4 (8.3) — DIMENSIONS: Overall length (tractor) overall length (tracto height* Track gauge Length of track on ground mm (ft.in) mm (ft.in $(17^{1}10^{"})$ 2390 $(7^{'}10^{"})$ 3460 $(11^{'}4^{"})$ 2330 $(7^{'}8^{"})$ 3165 $(10^{'}4^{"})$ 2330 $(7^{'}8^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3410 $(11^{'}2^{"})$ 3155 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3155 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 2390 $(7^{'}10^{"})$ 3165 $(10^{'}4^{"})$ 3165 $(10^{'}4^{"})$ 3165 $(10^{'}4^{"})$ 3165 $(10^{'}4^{"})$ 3170 $(10^{'}4$ 179 (240)/1900 179 (240)/1900 PERFORMANCE: Travel speed Forward 1st 2nd 3rd Reverse 1st 2nd 3rd Max. Komatsu will evaluate individual special application machine to meet job requirements. speed Net kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM 32.4 (43.4)/2450 60 (80)/2200 58 (78)/2200 53 (71)/2200 66 (89)/2200 53 (71)/2200 66 (89)/2200 58 (78)/2200 59 (79)/2200 66 (89)/2200 59 (79)/2200 68 (91)/ working around the machine. (Prevents side-sliding of the track shoes.) Types Determination criterion for different working environments Not full roller guard Center and end section track guard Short length guard for installation at the center section End section track guard Rocks and soil containing boulders and gravel (A and E) The part is not

suitable The part is not suitable Sand and soil (A, E and P) No noticeable difference from use of the end- section only track guard Although sand and soil tend to enter more, they can be easily discharged and this part is being employed. Clayey soil (P and PL) The part is effective for prevention of disengagement or side-sliding of the track

. • Excellent riding comfort is provided due to less vibration and shock when traveling over rough

shoesSwamp (PL and PLL) Slopes The part is not suitable The part is not suitable Roller Guard Installation 41. (D61-15E0, D65-16, D85-15E0, D155AX-6, D275AX-5E0, D375A-6) Features 24. 1A-2 Specifications

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to 12.1 US ton) VIBRATORY ROLLERS Operating weight 2,440 to 4,000 kg (5,380 to 8,820 lb) ARTICULATED DUMP TRUCKS Hauling capacity 24 to 37 ton (26.5 to 40.0 US ton) GD825A-2 GD705A-4 GD555-3A GD555-3A GD555-3A GD555-3A GD555-3A GD675-3E0 GD675-3E0 GD675-5 GD661A-1 GD655-3A
GD655-3E0 GD655-5 GD611A-1 GD623A-1 CD110R-2 CD60R-1 HM400-2 HM400-2 HM400-2 HM300-2 HM300-2 HM300-2 HM300-2 RHM300-2 RHM300-2 RIGID DUMP TRUCKS Hauling capacity 25 to 290 ton (28 to 320 US ton) 930E-4 930E-4SE 960E 830E-AC860E-1K
HD1500-7 HD255-5 HD785-7 HD605-7 (E0) HD605-
 across the globe. NOTE: Please consult your local distributor for availability of track rollers guard for the model that you require. (cu.in) KOMATSU S6D125E-2 6-125 × 150 (4.92 × 5.91) 11.04 (674) KOMATSU SAA6D125E-5 6-125 × 150 (4.92 × 5.91) 11.04 (674) KOMATSU SAA6D125E-5
6-125 × 150 (4.92 × 5.91) 11.04 (674) UNDERCARRIAGE: No. of rollers (carrier/track) Width of standard shoe mm (in) 2/8 510 (20.1) 2/7 560 (22) FUEL TANK CAPACITY (Refilled): ltr. • The riding conform is a little inferior to the triple and double grouser shoes. Therefore, when you need the most updated information or
 specifications, obtain the latest catalogs through your distributor. 2) Grousers are stepped. (Small-middle Class) The most important matters for the bushings. (U.S.Gal) 1200 (317) 1670 (441) *) Spec conditions: Bulldozer Rear
 attachment Upper attachment Semi-U tilt Giant ripper Steel cab, ROPS Semi-U ti
the related section in the handbook. • Use in the following places will shorten the cutting life of the rubber. Type of shoe Applicable soil and work Advantages Disadvantages Remarks Shoe Selection 40. G-1 SPECIFICATIONS & APPLICATION HANDBOOK Edition 30 December 2009 Please note that the performance information included in this book
is for estimation purposes only. Impact load to undercarriage components is minimized and durability of components is improved since track rollers are always in contact with track link. 3) Selection of construction method To attain the job objective, the contractor must select the proper method of construction or process. In such a case, check in
 advance to determine if it conforms to the regulation of the area. Search by part number/ part name in one book. *5: To top of ROPS cab q: Tier 3 and Stage 3A model Model Item qD61PX-15E0 D65PX-16 QD65PX-16 QD65PX-16
 15620 (34,440) 16940 (37,350) 18890 (41,640) 18870 (41,600) HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. If you've ever wanted a comprehensive digital hub that allows 24/7 access to machine telematics data, parts manuals, software and parts ordering — all in a single place — we'll partner with you to make sure
dependability maintenance-free, wet, multiple-disc brakes are utilized. Click "Buy now" button. The owner of a machine has to recognize the regulations about the safety and environment legislated by each country and local government against construction machines, and has to use machines that conform to the applicable regulations. The tilting
function of this blade increases production and versatility. This function reduces gear shifting time during repeated round trip operations. Exercise care regarding safety, vibration, noise and flying debris (soil and stone) for the people who work around machines and for the surrounding area before putting a machine into a job site. • Uniquely
 capacity of work equipment, traveling speed and types of mechanical, hydraulic and electrical systems. • Riding comfort is improved by reducing vibration and shock when traveling over rough terrain. • Modular design The sealed, modular d
servicing work clean, smooth and easy. speed Net kW (HP)/RPM kW (H
 6.5 (4.0) 9.0 (5.6) — DIMENSIONS: Overall length (tractor)*4 Overall length (tractor)*5") 3250 (10'8")
the various factors included in the handbook, resulting in different figures depending on the selection of these factors and the machine use factors and the machine use factors before utilizing this handbook. (D21 and D61) • Hydrostaticors and the machine use factors are factors are factors.
DIMENSIONS: Overall length (tractor) overall l
3.00\ (4650)\ 0.53\ (7.54/52.0)\ B\ 610\ (24)\ 3.26\ (5050)\ 0.49\ (6.97/48.1)\ B\ 660\ (26)\ 3.53\ (5473)\ 0.45\ (6.40/44.1)\ B\ D65EX-16\ 510\ (20)*\ 3.04\ (4712)\ 0.56\ (8.01/55.2)\ B\ 560\ (22)\ 3.34\ (5177)\ 0.52\ (7.35/50.7)\ B\ 610\ (24)\ 3.64\ (5642)\ 0.48\ (6.83/66.9)\ B\ 660\ (26)\ 3.93\ (6092)\ 0.44\ (6.26/61.4)\ B\ D65PX-16\ 915\ (36)*\ 6.01\ (9318)\ 0.31\ (4.47/30.8)\ C\ D65P-12\ 915\ (36)*
 brakes KomStat uses HST dynamic brakes to ensure safe operation. Be careful to avoid traveling over rocks when carrying out operations on job sites where there are scattered rocks. (Prevents side sliding of the track shoes.) (Note 1) The part is effective for prevention of disengagement of the track shoes. speed Net kW (HP)/RPM 
(HP)/RPM 68 (91)/2200 66 (89)/2200 79 (105)/2200 79 (107)/2200 79 (107)/2200 79 (107)/2200 79 (107)/2200 79 (107)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/2200 97 (130)/
 pitch extensions are minimized for extended service life. This function provides comfortable operation and high productivity without manual downshifting. vary in different areas of the world. The engine is turbocharged and features Common Rail Injection system (CRI) and air-to-air aftercooling to maximize power, fuel efficiency and emission
compliance. Clayey soil (A, E and P) Slopes The part is not suitable The part is not suitable Roller Guard installation 42. MEMO 44. Given below are the criterion for the machine makes modification himself without consulting Komatsu, there are risks of generating problems in the performance, durability and safety of the
 (14'1") 3160 (10'4") 3990 (13'1") 2260 (7'5") 3480 (11'5") 5770 (18'11") 10330 (33'11") 3220 (10'7") 4695 (15'5") 3220 (10'7") 4695 (15'5") 3280 (10'4") 3200 (10'4") 3200 (10'4") 3200 (10'4") 3200 (10'4") 3200 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (10'4") 3210 (1
 UNDERCARRIAGE: No. of rollers (carrier/track) Width of standard shoe mm (in) 2/6 860 (33.9) FUEL TANK CAPACITY (Refilled): ltr. Komatsu has additional attachments and optional parts. • This shoe does not readily bite into the ground, so the traction force is low. The operator should be given clear job instruction. Blade Selection 47.
1A-20 CRAWLER-TYPE TRACTORS Definition: Ground pressure = tractor machine operating weight / total ground contact area where; total ground contact area where; total ground contact area = length of track on ground x shoe Applicable soil and work Advantages
 attachment Upper attachment PAT — ROPS canopy PAT — ROPS canopy Semi-U tilt — ROPS canopy SIGMADOZER — ROPS canopy SIGMA
 18900 (41,670) 14280 (31,490) HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. They have abundant information and experience and can provide valuable assistance in machine selection. 1A-25 Upper Attachment ......
vibrations and shocks for high mobility and comfortable ride even on rugged terrain. Typical attachments and optional parts are shown in this handbook. 2) Protection from breakdown or lessening of machine life In order to lower O&O cost, it is important to lengthen the economical life of a machine while reducing machine failure. If the contractor is
 uncertain about the selection, it is recommended that the contractor consult a Komatsu application engineer. drawbar pull km/h (MPH) kg (lb/kN) 3.2 (2.0) 5.6 (3.5) 8.7 (5.4) 4.3 (2.7) 6.6 (4.1) 13.4 (8.3) — 3.6 (2.2) 5.5 (3.4) 11.2 (7.0) 4.4 (2.7) 6.6 (4.1) 13.4 (8.3) — 3.6 (2.2) 5.5 (3.4) 11.2 (7.0)
 3860\ (12'8")\ 2270\ (7'5")\ 3150\ (10'4")\ 2270\ (7'5")\ 3150\ (10'4")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ (13'0")\ 2790\ 
 (7' 4") 3285 (10'9") ENGINE: Model No. of cylinders- bore × stroke Piston displacement mm (in) ltr. • Low profile design assures excellent machine balance and comfort. (D21, D65 and D155A-5/ D155AX) • Blade control joystick Blade
lift, angle and tilt operations are instantly accomplished with a joystick right single-lever. Tilt it to the right for a right turn. The operator must also read and understand the safety manual of the applicable manufacturers association in each area (AEM in USA, CECE in Europe, etc). (U.S.Gal) 490 (129) *) Spec conditions: Bulldozer Rear
attachment Upper attachment Straight tilt — Steel cab, ROPS Straight tilt — Steel cab, ROPS Specifications (Low Ground Pressure Tractor Hydraulic Excavator Wheel Loader Dump Truck Backhoe Loader Skid Steer Loader Features (description) 1A-2 2A-2 3A-2 4A-2 6-2 7A-2
 Series Selection -2A-10 --- Specifications 1A-9 2A-11 3A-12 4A-5 6-3 7A-3 Dimensions (shipping etc.) 1A-9, 1B-6 2A-29 3A-22 4A-10 6-5 7A-4 Working Range -2A-40 3A-22 --- Bucket (and Arm) Selection -2A-80 3A-144 --- Undercarriage-
 Shoes/Tires 1A-23 2A-66 3A-181 4A-48 — Ground Pressure 1A-20 2A-70 — Spec. To achieve high levels of productivity and ecology, Komatsu developed the main components with an advanced control system. *** : With variable travel speed mode *4 : Long track spec. Definitions — — — — Attachments 5A-8, 5A-16 — — — — Loader-truck
Engine Model ----11-4 High Altitude Deration ----11-4 High Altitude Deration Index Table 5. This blade also has a high HP/loose cubic yards for easy handling of heavy materials. If the shoe is too wide, the load on the track shoe increases and results in bends in the shoes, cracks in the links, breakage and slipping out of the pins and loosening
of the bolts. We continuously conduct tests to improve the reliability of the data. The ground surface is not damaged when the machine travels over it, so it is suitable for soil compaction and leveling work. If it does not conform, the owner must either make the necessary modifications to the machine to make it conform, or not operate the machine
there. The data in the handbook is accurate at the time of printing; however, Komatsu may make changes in the specifications and materials without notice. The employer should assess the skill of each operator and assign the operator to an appropriate job. Types Determination criterion for different working environments Full roller guard Integral
structure full roller guard 3-part split type full roller guard Local add-on type Rocks and soil containing boulders and gravel (A and E) The part is effective for prevention of catching pebbles. 1A-12 CRAWLER-TYPE TRACTORS **: Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances. Plowing earth or snow to one side
is possible by angling the blade. Although Komatsu supplies machines that conform to each regulation in the world, it is necessary to confirm through the machine to work. 1A-9 Specifications (Low Ground Pressure Tractors) .......
 GENERAL HYDRAULIC EXCAVATORS (Back hoe) Operating weight 380 to approx. 1A-27 17. The contractor can use his past results and experience to select the most appropriate machine. • For discharging ice and snow 1) Holes are provided in plate portion. (D275, D375A and D575A SD) Fulcrum of major bogie Fulcrum of minor bogie Features 22.
                                                                                                                                                                                                                                                                                                                                                                                                      . (U.S.Gal) 2100 (555) 2100 (555) *) Spec conditions: Bulldozer Rear attachment Upper attachment Semi-U dozer Giant ripper Steel cab, ROPS Super dozer Counterweight Steel cab, ROPS
 Specifications 29. The fan rotation speed depends on engine coolant and hydraulic oil temperatures, the higher the fan speed. (U.S.Gal) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 415 (109.6) 41
 Sweep canopy Specifications 26. • The oscillating idler and increased sprocket lead angle improve riding comfort when traveling over rough terrain. 1A-1 SECTION 1A CRAWLER-TYPE TRACTORS CONTENTS Features ....
 job conditions. Angle dozer The blade can be set straight or angled to both sides. (Note 1) Although soil and sand tend to enter less, once they enter, they may not be easily discharged depending on the type of soil, so make the choice in consideration of past experience with machines having been used in the subject area and of the working
 environments of the machine. In such a case, it is recommended that Komatsu be consulted through the distributor. 1A-24 CRAWLER-TYPE TRACTORS 7 Road liner (rubber, so the machine can travel on paved roads without damaging the road surface.
 Automatic lock-up torque converter When the lock-up clutch is engaged, the pump and the turbine are virtually connected and the internal power loss of the torque converter is minimized. 1A-19 CRAWLER-TYPE TRACTORS D61PX-15E0 D65PX-15E0 NOTE: THE DRAWBAR PULL AND TRAVEL SPEED MAY BE SUBJECT TO CHANGE
DEPENDING ON THE GROUND CONDITIONS AND MACHINE WEIGHT. • Unsuitable for ground other than swampy ground. ***: Indonesia sorce *4: Long track spec. 4) Choice and use of attachments or optional parts care should be taken in the selection of attachments or optional parts care should be taken in the selection of attachments or optional parts care should be taken in the selection of attachments or optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts care should be taken in the selection of attachments and optional parts are should be taken in the selection of attachments
39. Travel Speed 33. • Large capacity blade Large capacity blade, powerful digging force, large up-and-down movement of the blade, and high strength provided by high tensile steel. G-7 GENERAL 2) Selection of type of machine and specification The contractor should select the kind, size and specification of machine that can obtain the optimum job
 efficiency. (D31/D37/D39-22, D61, D65EX/PX, D85EX/PX, D155AX and D275AX) • Palm Command Control System (PCCS) joystick controls for all directional movements. 1A-27 CRAWLER-TYPE TRACTORS *: With ROPS brackets, except D65-12 and D85ESS-2A *5: Include floor sheet and air conditioner **: With inside
power angle-tilt dozer *6 : Include floor sheet *** : Two-pole type *4 : ROPS & steel cab Item Weight kg (lb) Overall height mm (ft.in) Mode Canvas or plastic canopy *ROPS cab D21A-8E0 70 (150) 310 (680) 566 (1,250) 2475 (8'1") 2450 (8') D21P-8E0 2500 (8'2") 2475 (8'1")
2475 (8'1") D31EX-22 - 310 (680) 650 (1,430) - 2760 (9'1") 2760 (9'1") 2760 (9'1") 2760 (9'1") D31PX-22 D37EX-22 - 330 (730) 670 (1,480) - 2825 (9'3") D39PX-22 D51EX-22 - - 1716 (3783)*5 - - 3002 (9'10") D51PX-22 D61EX-15E0 - 390 (860)*** 710 (1,565)*4 - 3150 (10'4") 3150 (10'4") 3150 (10'4") 2760 (9'1") D31PX-22 D
(10'4") D61PX-15E0 D65E, P-12 140 (310) 420 (930)^{***} 760 (1,675)^{*4} 2995 (9'10") 3165 (10'5") D65EX-16 — 390 (860)^{***} 781 (1730)^{*4} — 3340 (10'11")
3324\ (10'11")\ D85EX-15R\ D85PX-15E0\ D
 D375A-5 - 760\ (1,680)^{***}\ 1175\ (2,590)^{*}4 - 4230\ (13'11'')\ D375A-5E0 - 1270\ (2800)^{***}\ - 4646\ (15'\ 3'')\ D575A-3 - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{***}\ 2450\ (5,400)^{*}4 - 4880\ (16')\ D575A-3\ SD - 1970\ (4,340)^{*}4 - 4880\ (16')\ D575
4880 (16') 4880 (16') OVERALLHEIGHT G.L Upper Attachment 43. Clayey soil (A, E and P) Be careful when using this part since the soil sets when dried. Specifications may vary depending upon production location; all models are not always available everywhere in the world. • Track rollers follow track link movement to extend the undercarriage life.
The automatic gearshift transmission selects the optimal gear range depending on the working conditions and load placed on the machine, 1B-18 Super Dozer ....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . (U.S.Gal) 60 (15.9) 195 (51.5) 195 (51.5) 195 (51.5) *) Spec conditions: Bulldozer Rear attachment Upper attachment PAT — PAT — ROPS canopy PAT —
ROPS canopy PAT — ROPS canopy Model Item q D37EX-22*** q D39EX-22 
GENERAL PREFACE This handbook referes to machine specifications, productivity and owning & operation cost for construction equipment sold by Komatsu. 1A-23 CRAWLER-TYPE TRACTORS Applications of different shoes in accordance with soil characteristics and working conditions. WHEEL DOZERS Horsepower 338 to 853 kW (454 to 853 HP)
COMPACT TRACK LOADERS Bucket capacity 0.4 to 0.45 m3 (0.52 to 0.59 vd3) SKID STEER LOADERS Bucket capacity 0.16 to 0.45 m3 (0.21 to 0.59 vd3) WA500-3 WA500-3 WA500-6 (R) WA480-5 WA480-6 WA470-5 WA470-5 WA470-6 WA200-5 WA200-6
WA200PZ-6 WA150-5 WA150-6 WA150-5 WA160-3 WD600-3 WD60
WA50-6 WA430-5 WA430-6 WA380-3 WA380-5 WA380-5 WA320-5 (C) WA320-5 WA320-6 WA320-7 WA250-6 WA250-6 WA250-8 WA250-7 WA250-8 WA2
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