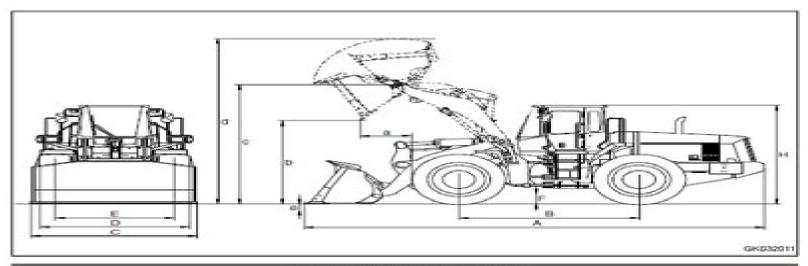
# 1.6 Dimensions, weights and operating data

#### 1.6.1 WA150-5H: Dimensions, weights and operating data



|     | Meas                                   | ureme          | nts, oper | rating data                                 |
|-----|----------------------------------------|----------------|-----------|---------------------------------------------|
|     | Bucket capacity to ISO 7546            | m <sup>3</sup> | 1.5       | without teeth and without BOC               |
|     | Material density                       | t/m²           | 1.8       |                                             |
|     | Bucket weight without teeth            | kg             | 640       |                                             |
|     | Static tipping load, straight          | kg             | 6,370     |                                             |
|     | Static tipping load, 40° angle         | kg             |           |                                             |
|     | Breakout force, hydraulic              | kN             | 76        |                                             |
|     | Lifting capacity, hydraulic, on ground | kN             | 88        |                                             |
|     | Operating weight *)                    | kg             | 8,090     |                                             |
| -01 | Reach at 45° discharge                 | mm             | 947       |                                             |
| b   | Dumping height at 45° discharge        | mm             | 2,731     | 7                                           |
| C   | Lift height, hinge pin                 | mm             | 3,504     |                                             |
| d   | Height to upper edge of bucket         | mm             | 4,688     |                                             |
| -0  | Digging depth                          | mm             | 80        |                                             |
| A   | Overall length, bucket on ground       | mm             | 6,316     | 7                                           |
| 8   | Wheel base                             | mom            | 2,600     | 7                                           |
| C   | Bucket width                           | (0000)         | 2,400     | These values refer to machines with 17,5R25 |
| D   | Width over tyres                       | mom            | 2,228     |                                             |
| E   | Gauge                                  | mm             | 1,872     |                                             |
| F   | Ground clearance                       | mom            | 420       | *) Machine without additional counterweight |
| H   | Overall height                         | more           | 3,063     |                                             |

# **Komatsu Performance Manual**

Joseph M. Juran, F. M. Gryna (jr), Richard S. Bingham

#### **Komatsu Performance Manual:**

Parallel Programming for Modern High Performance Computing Systems Pawel Czarnul, 2018-03-05 In view of the growing presence and popularity of multicore and manycore processors accelerators and coprocessors as well as clusters using such computing devices the development of efficient parallel applications has become a key challenge to be able to exploit the performance of such systems This book covers the scope of parallel programming for modern high performance computing systems It first discusses selected and popular state of the art computing devices and systems available today These include multicore CPUs manycore co processors such as Intel Xeon Phi accelerators such as GPUs and clusters as well as programming models supported on these platforms It next introduces parallelization through important programming paradigms such as master slave geometric Single Program Multiple Data SPMD and divide and conquer The practical and useful elements of the most popular and important APIs for programming parallel HPC systems are discussed including MPI OpenMP Pthreads CUDA OpenCL and OpenACC It also demonstrates through selected code listings how selected APIs can be used to implement important programming paradigms Furthermore it shows how the codes can be compiled and executed in a Linux environment The book also presents hybrid codes that integrate selected APIs for potentially multi level parallelization and utilization of heterogeneous resources and it shows how to use modern elements of these APIs Selected optimization techniques are also included such as overlapping communication and computations implemented using various APIs Features Discusses the popular and currently available computing devices and cluster systems Includes typical paradigms used in parallel programs Explores popular APIs for programming parallel applications Provides code templates that can be used for implementation of paradigms Provides hybrid code examples allowing multi level parallelization Covers the optimization of parallel programs Fuels and Lubricants Handbook , *Proceedings of the International Conference* on Applied Science and Technology on Engineering Science 2023 (iCAST-ES 2023) M. Udin Harun Al Rasyid, Mohammad Robihul Mufid, 2024-02-15 This is an open access book International Conference on Applied Science and Technology on Engineering Science 2023 iCAST ES 2023 is the fourth international conference organized by Indonesian Society of Applied Science iCAST ES 2023 is part of iCAST 2023 that focus on Engineering Science Topics of Interest iCAST ES 2023 Artificial Intelligence AI Internet of Things IoT Augmented Reality AR Virtual Reality VR Advanced Robotics3D PrintingNew materials and technologies for additive manufacturing Development of smart production system in Industry Smart builing innovations based on internet of thingsDigital Industry 4 0 in a renewable energyEnergy Efficiency in Smart FactoriesApplications of SME Mining Reference Handbook Raymond L. Lowrie, 2002 A practical field industry 4 0 in process control system reference for mining and mineral engineers that is small enough to carry into the field With its comprehensive store of charts graphs tables equations and rules of thumb this handbook is the essential technical reference for mobile mining professionals Engine Performance Analysis Komatsu Seisakujo, 1982\* Handbook of Robotic Surgery Stênio de Cássio

Zegui, Hongliang Ren, 2024-10-02 Handbook of Robotic Surgery serves as a primer covering the main areas of knowledge in robotic surgery This comprehensive book provides essential information on all aspects related to robotic surgery from the present up to the future The discussion presented in sections ranges from the historical background of robotic surgery up to more recent and future technological innovations such as remote controls surgically distant collaboration simulators modern surgical robotics fluorescence guided surgery and virtual reality The book also contains sections dedicated to the safety conditions in surgery and patient protection which will be suitable for surgeons health professionals biomedical engineering professionals healthcare administrators and students There are specific chapters for all areas in which robotic surgery has been used in daily clinical practice or is under development Written by doctors engineers and nurses thus eliminating communication barriers and making it accessible for health and engineering professionals Provides initial literature offering a broad overview of all aspects of robotic surgery that will serve as a solid theoretical base for future developments in robotic subfields Analyzes cost effectiveness of robotic surgery discussing its use in developing countries ethics medical legal aspects education training mentorship leadership certification of professionals and credentialing of robotic centers Contributed to by key opinion leaders from several nations and continents taking into account different socioeconomic and cultural regional realities which can influence the widespread use of robotic surgery in the world Production/operations Management Terry Hill, 1991 Covers key aspects of managing either the production function responsible for manufacturing a product or an operations function responsible for providing a service The book includes case studies reflecting the nature of management Springer Handbook of Augmented Reality Andrew Yeh Ching Nee, Soh Khim An LPBB edition is available Ong, 2023-01-01 The Springer Handbook of Augmented Reality presents a comprehensive and authoritative guide to augmented reality AR technology its numerous applications and its intersection with emerging technologies This book traces the history of AR from its early development discussing the fundamentals of AR and its associated science The handbook begins by presenting the development of AR over the last few years mentioning the key pioneers and important milestones It then moves to the fundamentals and principles of AR such as photogrammetry optics motion and objects tracking and marker based and marker less registration The book discusses both software toolkits and techniques and hardware related to AR before presenting the applications of AR This includes both end user applications like education and cultural heritage and professional applications within engineering fields medicine and architecture amongst others. The book concludes with the convergence of AR with other emerging technologies such as Industrial Internet of Things and Digital Twins The handbook presents a comprehensive reference on AR technology from an academic industrial and commercial perspective making it an invaluable resource for audiences from a variety of backgrounds Quality Control Handbook Joseph M. Juran, F. M. Gryna (jr), Richard S. Bingham, 1974 Reference book on quality control principles and techniques includes diagrams graphs illustrations references and statistical tables **Decisions** United States. Federal Mine Safety and Health Review

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