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Ksb centrifugal pump specifications

Type Series Booklet22 For detailed specifications, data and materials about our products and services, please refer to our online product catalog. Flow: 4 m³/h - 15,000 m³/h pressure: 10 barHead: 1 m - 140 m .. Water treatment technology data Q Max 15,000.0 m³/h up to 140.0 m design Horizontally divided hollow casing pump back pull-out design, single stage, single entry, available in various impeller types: .. Click here to call almost any application with an immediate price quote or +39 080.5367090 KSB supply pump. Water and wastewater, industry, energy, food and beverage industry, HVAC, marine, mining, oil and gas sector. At KSB, energy efficiency plays an important role in addition to quality. Our products have already met the statutory minimum efficiency level of the ErP regulations in 2015 and have made a valuable contribution at the component level. KSB valves are used in power plants, buildings, ships, and uk and global process and water engineering systems. This diverse product spectrum complements KSB's wide range of pumps, providing an all-in solution for hydraulic applications and putting us in a position to draw on 140 years of experience. Gate valve to DIN/EN with flange end (AKG-A) or butt welding end (AKGS-A), pressure seal design, body of forged or welded structure, non-rotating stem, split wedge with flexibly mounted disc, precisely align with body seat. Near flange end (AKR) or butt welded end (AKRS), pressure seal design, internally mounted hinge pins, forged and welded structure body, wear and corrosion resistant 17% chrome steel or Satellite.Vertical single stage fully floodable submersible motor pump with 17% abrasion and corrosion resistant chrome steel or Satellite.Swing check valve In the design made, IP68, with or without level control, maximum immersion depth: 10 m. stable on-floor plastic collection tank or impact-resistant underfloor plastic collection tank, floor drain and odor trap, both start and stop of amadraine submersible motor pump, swing check valve vertical single stage in a couple design close to fully floodable submersible motor pump, IP68, maximum immersion depth without level control or level control: 2 m.Vertical single stage fully floodable drainage pump with proximity coupling design (gray cast iron variant), non-explosion-proof. Wet submersible motor pump for discharge tube installation, channel imperer, single stage, with single entrance. An ATEX-compliant version is available. Wet submersible motor pump installed in discharge tube, ECB design axial propeller, single stage, single entrance. An ATEX-compliant version is available. Wet submersible motor pump for installation of discharge tubes, with mixed flow impellerAn ATEX-compliant version is available. Self-cleaning tank inserts for grooth installation on new concrete structures or concrete structures that require renovation. It is designed to prevent clogging of the pump by structural dirt and large amounts of waste and fiber-loaded drainage. Suitable for pump stations that release unpleasant odors and gases. The water and wastewater product protection module is an all-in-one device that diagnoses motor temperature measurement, bearing temperature measurement, leak measurement, vibration measurement, voltage measurement, pump, pump system or submersible mixer to ensure trouble-free and reliable operation. Wastewater pump station with solid separation system. Indirect hydraulic transport of wastewater, solid separators located upstream of the pump, for maximum economic efficiency, operational reliability and ease of service. Wet installed horizontal propeller pump with submersible motor equipped with direct drive or spur gear, rigid, ECB propeller with fiber water repellent blade, bolt-free connection to discharge tube. An explosion-proof version is available. Self-cleaning ECB propeller, tightly coupled design, direct drive and horizontal diving mixer. An ATEX-compliant version is available. Horizontal underwater mixer with self-cleaning ECB propeller, close coupling design, coaxial spur gear drive. An ATEX-compliant version is available. Vertical single stage diving motor pump for wet installation, with free flow impeller (F-max) or open dual vane impeller (D-max), stationary or transportable version. Single stage, single entry closed coupling pump set that is not self-priming. An ATEX-compliant version is available. Horizontal or vertical single stage dive pumps are closely designed with various next-generation imperer types, with wet or dry installations, stationary or transportable versions, energy-saving motors, and models for use in potentially explosive atmospheres. Cutter (S), free flow imperer (F) or oblique single vane imperer (D), vertical single stage diving motor pump for wet installation in stationary or transportable versions. Amarex N pump is a single stage, single entry closed coupled pump set that is not self priming. An ATEX-compliant version is available. Multifunctional AMTROBOX limit switch box. For open/closed position signaling via mechanical limit switches or proximity sensors. AMTROBOX (R1149) is attached to MR manual gearboxes, ACTAIR NG pneumatic actuators and HQ hydraulic actuators. Limit switch box specially designed for manual operation. For open/closed position signaling via mechanical limit switches or proximity sensors. AMTROBOX M installs in the S series of quarter levers (R1020) and manual transmission types MA 12 and MA 25 (R1021). Sturdy and multifunctional. For open/closed position signaling via mechanical limit switches or mechanical limit switchesSensor. AMTROBOX R (R1187) is attached to any actuator with MR manual gearbox, ACTAIR NG pneumatic actuator, HQ hydraulic actuator, and VDI/VDI interface. Double offset butterfly valve with epoxy coating. Full shut-off in either flow direction. Flanges end up with valve discs made of EN standard, body and nodal cast iron. Horizontal self-priming centrily pump, open or semi-open impeller, mechanical seal, adjusted through wear plate using ATEX compliant version. Horizontal self-priming centrily pump with proximity coupling design, open or semi-open impeller, adjusted through wear plate, with mechanical seal driven by electric motor or internal combustion engine. An ATEX-compliant version is available. Globe valve to DIN/EN with flange end, short face-to-face length to EN 558/14, inclined seat, bonnetless, EPDM encapsulated slotting plug, soft main and back seat, position indicator, locking device, travel stop, insulated cap with anti-condensation function. Maintenance-free and complete insulation is possible. Globe valve to DIN/EN with flange end, compact face-to-face length for drinking water supply system, inclined seat with inner and outer electrostatic plastic coating, vertical bonnet, EPDM encapsulation throttling plug, single piece body, position indicator, locking device, travel stop, soft main and back seat. Maintenance-free, (PN 10 DVGW approved). Flange end, bonnetless, throttling plug, scaling position indicator, travel stop, insulated cap with non-condensation function, balance valve to maintenance-free DIN/EN. Full insulation possible. Suitable for measuring flow rates with ultrasonic sensors, temperature measurement, sensors that do not come into contact with fluids, mobile measurements in combination with BOATRONIC MS measuring computers, permanent measurement setup with BOATRONIC MS-420 measuring computer, constant accuracy independent of differential pressure. It is also available in electrostatic plastic coatings and DVGW certified drinking water (BOA control EKB and BOA control IMS EKB, up to DN 200). Standard type series BOA-compact, BOA-super compact, BOA-W, BOA compact EKB, BOA control IMS, BOA control IMS EKB, bonnetless pressure holding body, control valve to DIN/EN based on soft seat. Drop tight from 0.05%, Kvs values from 6.3 to 700 m³/h and closing pressures up to 16 bar are available. Intelligent microprocessor control and pre-set electric actuators provide working force from 1000 N to 14,000 N. Electronic configuration of flow characteristics, Kvs values, working signals, and operating time using PC tools or manual parameterization units. Customized configurations can be implemented in the KSB factory up on request. Service-friendly control valve to DIN/EN with flange end (with linear or equal percentage control characteristics at Kvs value 0.1)Closed pressure up to 40 bar. All internal components are easy to replace without special tools including reversible seats. Noise levels reduced by standard two-stage pressure reduction combining a ray plug and a multi-hole cage. With electric actuator. Service-friendly control valves to DIN/EN with flange ends have linear or equal percentage control characteristics with Kvs values from 0.1 to 630 m³/h and closing pressures of up to 40 bar. All internal components are easy to replace without special tools including reversible seats. Noise levels reduced by standard two-stage pressure reduction combining a ray plug and a multi-hole cage. With pneumatic actuators. Bellows type globe valve with flange end, on/off disc or throttling plug, standard position indicator with color coding for identification of valve design, DIN/EN with replaceable valve disc. Bellows protected when the valve is in a fully open position; sheet/disc interface made of abrasion and corrosion resistant chrome steel or chrome nickel steel. The globe valve, automated to DIN/EN, features an electric actuator and 3-point actuation, working force from 2000 N to 14,000 N, and a hermetically sealed stem with maintenance-free PTFE V-packing (up to 250°C) or graphite ground packing (up to 350°C). Automatic globe valve to DIN/EN with flange end, spring-to-open or spring-to-close design, operating forces from 1500 N to 26,000 N, stem sealed with maintenance-free PTFE V packing (up to 250°C) or graphite ground packing (up to 350°C). Bellows type globe valve to DIN/EN with flange end (BOA-H and BOA-HV), but weld end or socket welding end (BOA-HE and BOA-HEV), on/off disc or throttling plug, sheet/disc interface made of corrosion resistant chrome steel or chrome nickel steel. Flange end, spring road valve disc, lift check valve to maintenance-free DIN/EN. Nozzle check valve to DIN/EN with flange end, venturi body and maximum flow rate of 2.5m/s. - Cast iron body, brass check disc, cast iron sheet, stainless steel sheet. Suitable for installation of horizontal or vertical pipes. Rapid closure without surge pressure. Lift check valve to DIN/EN with three stainless steel guide pin led spring plate or valve disc, helped by body shape and wafery type body. Low noise design with valve disc with plastic version (DN 15 - 100) or o-ring (DN 125 - 200), maintenance-free. Din/EN with flanged end with strainer, standard or fine screen; all nominal sizes with drain plug on the cover. Made of grey cast iron or nod cast iron. Globe valve to DIN/EN with wafery type body, ultra-compact DN face-to-face length for EN 558/94, tilted seat design with vertical bonnet, centering, dead end service, flange alignment hole for downstream demolition. Single piece body.Caps with anti-condensation function as standard, position indicator, locking device, movement stop, soft main and backseat. Maintenance-free and complete insulation is possible. Globe valve to DIN/EN with flange end, standard face-to-face length to EN 558/1, tilted seat design with vertical bonnet, single piece body, EPDM encapsulating throttling plug, soft main and back seat, position indicator, locking device, travel stop, insulated cap with anti-condensation function. Maintenance-free. Full insulation is possible. Din/EN with strainer, flange end, stainless steel body, standard or fine screen. All nominal sizes with drain plug on the cover. Lift check valve to DIN/EN with flange end, stainless steel body, check disc with closing spring and wrapped seat/disc interface. Globe valve to DIN/EN, stainless steel body, ground packing, rotating stem, on/off disc or throttling plug. Bellows type globe valves have flange ends, stainless steel bodies and interchangeable on/off disc or throttle plugs in DIN/EN. Sealed by center disc butterfly valve, elastomer liner (EPDM/XC or nitrile K) with lever, manual gearbox, pneumatic or electric actuator. Semi-lug body (T2), full lug body (T4). Body types T2 and T4 are suitable for downstream demolition and dead end service. Valve discs made of nodal cast iron or stainless steel. Connection to EN. Central disc butterfly valve with epoxy coating. Full shut-off in either flow direction. Flanges tie the ends to EN standards, nodal cast iron bodies, valve discs made of stainless steel. Central disc butterfly valve for building service, with thermal barrier and elastomer liner (EPDM XU or nitrile K), lever, manual gearbox or electric actuator (BOAXMAT-S and BOAXMAT-SF models). Semi-lug body (T2) or full lug body (T4) suitable for downstream demolition and dead end service. Valve disc made of stainless steel 1.4308, connection to EN. Maintenance-free high efficiency flange or threaded glandless pump with high efficiency electric motor and continuously variable differential pressure control. Maintenance-efficient high efficiency electric motor and continuously variable differential pressure control. Maintenance-free high efficiency flange or threaded glandless pump with high efficiency electric motor and twin pump design with continuously variable differential pressure control. Continuously variable differential pressure control for use in maintenance-free, highly efficient variable speed adenodular drinking water circulator pumps, screw ends or flanges, electric motors, drinking water supply systems and hot water supply systems. Maintenance-free, non-fixed speed drinking water circulator pump, screw end, multiple fixed speed level electric motors, used for drinking water supply system and hot water supplyContinuously variable differential pressure control for use in highly efficient variable speed non-variable rate non-variable drinking water circulator pumps, screw ends, electric motors, drinking water supply systems and hot water supply systems. Maintenance-free, high-efficiency and inefficient anefree circular pump, screwing, multiple fixed speed level electric motors, for use in drinking water supply systems. Automatic control unit for pressure control start and monitoring of pressure control or flow control stop and single pump. Connect horizontal high pressure barrel type pumps with radial impellers, single entry and double entry, multi-stage, flange or welded end nozzles to DIN, API 610 and ANSI. Single pump station/ dual pump station as a connectable package system where PE-LLD (polyethylene) collects tanks for embedded installation. Equipped with one or two submersible wastewater pumps of Amarex NS (explosion-proof or non-explosion-proof) or ama-porter (non-explosion-proof). Tank design to DIN/EN with DIN 1986-100 and EN 752/EN 476.Flanged end, elastomer coated wedge, bolt bonnet, rotating stem, inner screw and cylindrical cast iron body. Gate valves to DIN/EN are flexible wedges made of flange end, bolt bonnet, metal flange, rotating stem, screw interior, body, stainless steel axial cast iron, stem and seat. The din/EN tilting disc check valve features a lever and counterweight/hydraulic damper, nodded cast iron body and valve disc, and stainless steel body seat. Multistage, horizontal and proximity coupled centrily pump single pump sewage lifting unit or dual pump sewage lifting unit for automatic disposal of drainage and face in buildings and building sections below flood level. The float valve to DIN/EN is a body made of flange end (DN 40-300) or screw end (DN 25-32), nodr section cast iron, valve for controlling the largest and smallest liquid levels in the tank. Valve discs, stems, floats and stainless steel seats. Radial impeller, single entry, single stage, iso 2858/ISO 5199 in a pull-out design back a single pump horizontally divided volte casing pump for pressure controlled start, flow control stop and monitoring. It is also available as a variant with a wet shaft, a conical sealing chamber and/or a semi-open impeller (CPKNO). An ATEX-compliant version is available. Double offset butterfly valve, plastermer seat (fire safety design), metal seat or elastomer seat (FKM [VITON R] or NBR [nitrile]). Lever or manual transmission, pneumatic, electric or hydraulic actuator. Body made of nodal cast iron, cast steel, stainless steel, aluminum bronze or double stainless steel (254 SMC). Water-shaped bodies (T1), full lug bodies (T4) and T4 are suitable for run-flanged downstream demolition and dead-end service.En, Asme, Ziss. Tested and tested on API 607, double offset butterfly valves, certified plastermer or metal seat (fire safety), no ground packing, maintenance-free, lever or manual gearbox, pneumatic, electric or hydraulic actuator, body made of steel or stainless steel. The water-shaped body (T1), full lug body (T4) or flange body (T7) has a flat or raised face. Body types T4 and T7 are suitable for dead-end services. Connection to EN, Asme, or JIS. Certified by Germany's TA-Luft technical guidelines for air quality control. It combines a butaf fly/check valve with single-motion hydraulically controlled counterweight actuator. Single acting pneumatic actuator for mounting on 1/4 turn valve (butterfly valve or ball valve) for mounting on valves from DN 500 to 1400. Actuator flange to ISO 5211. Control pressure up to 8 bars. Install on valves with square or flat shaft ends. Force transmission by Scotch yoke kinematics provides output torques of up to 4000 Nm, ideal for operating quarter turn valves. Resetting to a fail-safe position in the event of a control air failure is affected by the spring assembly. Depending on the indicator of the visual position and the size of the actuator, the adjustable movement stops the closed position or open/closed position as standard. Optional individual or integrated manual overrides. Mounting control unit type AMTROBOX, AMTRONIC, SMARTRONIC or VDI/VIDE 3845. Suitable for ball valves and interfaces to ansi/ASME (NPT), but welded or socket welded ends, three-piece body, full bore and floating ball. Plastermer seat (also in fire safety design). Ball valve to ANSI/ASME with flange end, two-piece body, full bore, floating ball and plastmer sealing (fire safety design). Flange end, Y pattern, bolt cover, cast steel A216 WCB, stainless steel 304 screen, mesh width 1.5 mm.Strainer to ANSI/ASME (threaded socket (NPT) or socket welded end (SW), Y pattern, with bolted cover, forged steel A105, stainless steel Screen 30 mesh width 0.8 to 0.9 mm.Globe valves are sealed with FLANGED ANSI/ASME, cast steel/stainless steel body, stainless steel trim and bellows, bolt bonnet, outer screws and yokes, graphite ground packing and metal bellows, stainless steel/graphite gaskets. Globe valve to ANSI/ASME sealed with threaded socket (NPT) or socket welded end (SW), cast steel/stainless steel body, trim and bellows stainless steel, outer screws and yokes, graphite gland packing and metal bellows, stainless steel/graphite gaskets. Globe valve to ANSI/ASME with flange end, cast steel A216 WCB, trim 8 (Stellit/13% chrome steel) class 150/300/600, trim 5 (sterit/13% chrome steel) for class 600, bolt bonnet, outer screw and yoke, graphite glyd packing, stainless steel/graphValve to ANSI/ASME with flange end, forged steel A105, trim 8 (Satellite/13% chrome steel), bolt bonnet, outer screws and yokes, graphite gland packing, stainless steel/graphite gaskets, carbon steel and alloy steel. Globe valve to ANSI/ASME with flange end, cast steel A351 CF8/CF8M, trim 2 (304/304), trim 10 (316/316) class 150/300, bolt bonnet, outer screw and yoke, integral seat, graphite ground packing, stainless steel/graph eye gasket. Gate valve to DIN/EN with flange end or butt welding end, bolted bonnet, body made of cast steel, non-rotating stem, flexible wedge, seat/disc interface made of abrasion resistance, corrosion resistant 13% chrome steel or Satellite.Gate valve to FLANGED ANSI/ASME, cast steel A216 Trim 8 for WCB, Class 150/300/600 (Stellit/13% Chrome Steel), Trim 5 for Class 600 (Stellit/Stellit), Bolt Bonnet, Outer Screws and Yokes, Non-Rotating Stems, Flexible Wedges, Graphite Ground Packing, Stainless Steel/Graph Eyt Gaskets. Gate valve to ANSI/ASME with flange end, forged steel A105, trim 8 (Satellite/13% chrome steel), bolt bonnet, outer screws and yokes, non-rotating stem, single plate wedge, graphite gland packing, stainless steel/graphite gasket, reduced bore. Gate valves to ANSI/ASME available in threaded sockets (NPT), butt welded ends (BW) or socket welded ends (SW), trim 8 (SW), trim 8 (Satellite/13% chrome steel), bolted bonnets, outer screws and yokes, single plate wedges, graphite ground packing, stainless steel/graphite gaskets, carbon steel and alloy steel. Gate valve to ANSI/ASME with flange end, cast steel A351 CF8/CF8M, trim 2 (304/304), trim 10 (316/316), bolt bonnet, outer screw and yoke, non-rotating stem Flexible wedge, integral seat, graphite packing, lift check valve to ANSI/ASME with stainless gaseous flange end, forged steel A105, trim 8 (Stellit/13% chrome steel), reduced bore, bolt cover, spring load valve disc. Lift check valve to ANSI/ASME available in threaded socket (NPT), but welded end (BW) or socket welding end (SW), trim 8 (Satellite/13% chrome steel), bolt cover, spring road valve disc, carbon steel and alloy steel. Swing check valve to ANSI/ASME with flange end, cast steel A216 WCB, trim 8 (steril/13% chrome steel) class 150/300/600, trim 5 (sterit/stellit/stellity) for class 600, with bolt cover, internally mounted hinge pins (2-12), stainless steel/graft gaskets. Swing check valve on ANSI/ASME with flange end, forged steel A105, trim 8 (Sterit/13% chrome steel)Bore, with bolt cover, internally mounted hinge pin. Swing check valves to ANSI/ASME available in threaded sockets (NPT), butt welded ends (BW) or socket welded ends (SW), trim 8 (SW), trim 8 (Satellite/ 13% chrome steel), bolted covers (Class 300) or welded covers (classes 1500 and 2500), internally mounted hinge pins, carbon steel and alloy steel. Gate valves to DIN/EN feature flange ends, bolt bonnets, metal seating, rotating stems, inner screws, cast iron bodies and brass seats. DIN/EN with ball valve, cast iron body, glandular packing, rotating stem, on/off disc or throttling plug. Fully automatic, ready-made package dual pump pressure booster cover plate with single stage centrily pump with close combination design, very quiet operation, multistage centrily pump for use in domestic, public and industrial applications, two impellers, impeller pump pressure control of closely coupled design for use in public and industrial applications, feeding DN according to nominal flow rate. Seal with lip seal, single or double cartridge mechanical seal. An ATEX-compliant version is available. Single stage close coupling volute casing pump, rating to EN 733, replaceable shaft sleeve and casing wear ring, motor mounting with variable speed system. With the KSB SuPremE, it is an efficiency class IE4/IE5 magnetless synchronous relaxance motor up to IEC TS 60034-30-2:2016 that works with KSB PumpDrive 2 or KSB PumpDrive 2 eco variable speed systems without rota position sensors. Motor mounting points according to EN 50347 are envelope dimensions according to DIN V 42673 (07-2011). An ATEX-compliant version is available. Volute casing pump for horizontal or vertical installation, back pull-out design, single stage, rating to EN 733, radially divided volute casing, replaceable casing wear ring, volute casing with one-piece cast pump feet, closed radial impeller with multiplication curved vane, single to EN 12756 Horizontal single stage closed coupled annular casing pump with evaluation and main dimensions in ATEX compliant system EN 733, equipped with one mechanical seal, product lubricated radial ball bearing of motor housing, grease lubricated radial ball bearing of motor housing, magnetless KSB SuPremE motor of efficiency class IE4/IE5 and PumpDrive variable speed system, Replaceable casing wear ring and motor mount variable speed system. With the KSB SuPremE, it is an efficiency class IE4/IE5 magnetless synchronous relaxance motor up to IEC TS 60034-30-2:2016 that works with KSB PumpDrive 2 or KSB PumpDrive 2 eco variable speed systems without rota position sensors. Motor mounting point according to EN 50347,Dimensions

