No.	Qty.	Object	Unit price	Amount
		Submersible motor pump Single-stage close-coupled pump unit with axial propeller for wet-well installation in vertical discharge tubes. Drive: dry-rotor surface-cooled three-phase asynchronous squirrel-cage motor. Enclosure IP 68 to IEC 60034, thermal class H. The pump sets are equipped with various sensors. - Thermal motor protection by PTC resistors integrated in the winding - Temperature monitoring at the lower bearing by PT 100 temperature sensor - Leakage monitoring of the mechanical seal system by integrated float switch - Leakage sensors in the motor and connection space to protect against penetrating moisture Option: - Temperature monitoring at the upper bearing by PT 100 temperature sensor yes/no*) - Vibration sensor in the area of the upper bearing yes/no*) 10 m power and control cable, absolutely watertight cable entry, cores embedded in cast resin, soldered strands as additional protection against moisture penetrating due to capillary action. Self-sealing and self-centering unit for installation in vertical discharge tube. Installation and removal possible even when discharge tube is flooded. **Technical data:** Type series: **Amacan P** Pump size: ..... Motor version: UA/XA*), UT/XT*) Medium handled: ..... (Liquids not chemically and mechanically aggressive to the pump materials) Rated flow: ..... l/s Rated head: ..... m Operating range: from ..... l/s to ..... l/s NPSH pump/available: ..... m Product temperature: Max. 40 °C Rated speed: ..... 1/min Rated power input: ..... kW Motor rating: ..... kW Operating voltage: ..... V Frequency: ..... Hz Rated current: ..... A Starting method: - Motor version UA/XA: d.o.l./soft start/transformer start/frequency inverter*) - Motor version UT/XT: d.o.l./star-delta/soft start/transformer start/frequency inverter*)		

*) Delete as applicable

No.	Qty.	Object	Unit price	Amount
		2-page product description: Reference No 1579.0211/... Dimension table: Reference No 1580.5/... General arrangement drawing: Reference No 1580.5/... Min. submergence required: ..... mm Discharge tube diameter required: ..... mm Screen bar distance required: ..... mm **Materials** Diffuser casing: JL 1030 Motor housing: JL 1040 Impeller (Propeller): 1.4517 Shaft: 1.4021/1.4057*) Shaft seal: - pump side: - Silicon carbide/silicon carbide - motor side: - Silicon carbide/silicon carbide **Coating** Zinc dust primer and 2-component HS paint 100 µm/250 µm*) Operating data is guaranteed to ISO 9906/A. Weight: ..... kg **Unit** as described above, for installation in open/covered intake chamber*), delivery and installation1) **Discharge tube** Welded steel, B/C/D design*), de-rusted to bright metal, with 2-component epoxy resin protective coating. Diameter D: ..... mm Total length: ..... mm - Length below floor: ..... mm - Length above floor ..... mm Qty. of flanged subassemblies: ..... pcs. Discharge nozzle DN: ..... mm Weight: ..... kg Delivery and installation1) **Cover for discharge tube** Pressure-proof, (split/one-piece design)*) with welding sleeve with inlet nozzle/ gland frame (cable gland with packing and filling)*) for power and control cable. Same protective coating as discharge tube. Weight: ..... kg Delivery and installation1)		

*) Delete as applicable
1) Installation structure or place of installation easily accessible to assembly crane

No.	Qty.	Object	Unit price	Amount
		Carrier cable see reference No. 1580.5/... with cable guide accessories for strain-relief of power and control cables. - with/without support*) - with 1/2/3 lifting lugs*) (depending on lifting height of crane) Overall length **L** (see reference No. 1580.5/... - last page): ..... mm Delivery and installation1)		
		Flow-straightening vane see reference No. 1580.5/... - open intake chamber yes/no*) - with suction umbrella d_8 yes/no*) - with suction umbrella d_9 yes/no*) - covered intake chamber yes/no*) Delivery and installation1)		

*) Delete as applicable
1) Installation structure or place of installation easily accessible to assembly crane

02.2011

1580.521/2-EN

KSB Aktiengesellschaft
P.O. Box 200743 • 06008 Halle (Saale) • Turmstraße 92 • 06110 Halle (Germany)
Tel. +49 (345) 48 26 0 • Fax +49 (345) 48 26 46 99 • www.ksb.com