

01 Specs 01Titel	BT 3,0-80-4 IE3	25.10.2016 AO VS.02	Project No.																														
Item / No.	Description/ Quantity/ Unit	Unit Price	Total																														
01.1 Position	<p>Description: Single-stage glanded centrifugal pump in monobloc design for installation on a base. Low-vibration and low-noise monobloc design with lantern and rigidly connected standard motor. With forced-flow circulation, direction of rotation-independent bellows mechanical seal and cavitation-reducing impeller. Flanges with pressure measuring connections R 1/8. Pump housing and lantern are cataphoretic-coated. High-efficiency motors as standard; from 0.75 kW nominal motor power: motors in IE3 technology.</p> <p>Suitable only for wet assembly.</p> <p>Environmental conditions for dry application (water quality): Installation and operation in freshwater.*</p> <p>Technical data:</p> <table border="0"> <tr> <td>Housing:</td> <td>Cast iron</td> </tr> <tr> <td>Shaft:</td> <td>Grade 316 stainless steel</td> </tr> <tr> <td>Impeller:</td> <td>Grade 14 cast iron</td> </tr> <tr> <td>Mechanical seal:</td> <td>AQ1EGG (Standard)</td> </tr> <tr> <td>Side opening:</td> <td>Cast iron</td> </tr> <tr> <td>Fluid pumped:</td> <td>Water, pure 100%</td> </tr> <tr> <td>Operating temperature:</td> <td>20°C - 140°C</td> </tr> <tr> <td>Operating pressure:</td> <td>0 - 16 bar</td> </tr> <tr> <td>Type of current:</td> <td>3~ 400V/50Hz</td> </tr> <tr> <td>Nominal motor power:</td> <td>3,0kW</td> </tr> <tr> <td>Nominal speed:</td> <td>1450 1/min</td> </tr> <tr> <td>Nominal current:</td> <td>6,5 A</td> </tr> <tr> <td>Protection class:</td> <td>IP 55</td> </tr> <tr> <td>Pressure port:</td> <td>DN 80 / PN 16</td> </tr> <tr> <td>Suction port:</td> <td>DN 100 / PN 16</td> </tr> </table>	Housing:	Cast iron	Shaft:	Grade 316 stainless steel	Impeller:	Grade 14 cast iron	Mechanical seal:	AQ1EGG (Standard)	Side opening:	Cast iron	Fluid pumped:	Water, pure 100%	Operating temperature:	20°C - 140°C	Operating pressure:	0 - 16 bar	Type of current:	3~ 400V/50Hz	Nominal motor power:	3,0kW	Nominal speed:	1450 1/min	Nominal current:	6,5 A	Protection class:	IP 55	Pressure port:	DN 80 / PN 16	Suction port:	DN 100 / PN 16		
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Item / No.	Description/ Quantity/ Unit			Unit Price	Total
	* water-quality-matrix				
	Freshwater	Poolwater	Seawater		
PH.Value	7,2 -7,6	7,2 -7,6	8		
Hardness	8 -15 ° DH; 142 -267 ppm CaCo3	8 -15 ° DH; 142 -267 ppm CaCo3	20 -30 ° DH; 356 - 534 ppm CaCo3		
Free Chlorine	< 0,3 mg/l; < 0,036 moz/gal	0,3 -0,6 mg/l; 0,036 - 0,072 moz/gal	< 0,3 mg/l; < 0,036 moz/gal		
Chlorine concentration	< 250 mg/l; < 30,28 moz/gal	< 200 mg/l; < 24,2 moz/gal	<=22000 mg/l; <=2664 moz/gal		
Salinity	n. d.	n. d.	<= 4%; <= 40.000 ppm		
Total Dry Residue	< 50 mg/l; < 6,06 moz/gal	< 50 mg/l; < 6,06 moz/gal	< 250mg/l; < 30,28 moz/gal		
Temperature	4 -35° C; 39 - 95 ° F	4 -30° C; 39 - 86 ° F	4 - 20 ° C; 39 - 68 ° F		
Supply and delivery according to manufacturer specifications.					
Product / proof of delivery: BT 3,0-80-4 IE3 Art. 45309					
OASE GmbH Tecklenburger Str. 161 48477 Hörstel / Germany Phone: +49 5454 800					
(or equivalent) Entered by the bidder					