



**CONTRACTOR APPOINTMENT FOR THE ONCE OFF REPLACEMENT OF SUBMERSIBLE PUMPS AT KING SHAKA INTERNATIONAL AIRPORT.**

**Bid Reference Number: KSIA7227/2023/RFP**

**QUESTIONS** AND **ANSWERS**. Please see questions and answers below. We have also attached pictures in the website

We need specifications on the below mentioned pumps. There are no model numbers nor any flow or pressure requirements mentioned.

Our suppliers will not be able to source any pricing with the information provided

Delivery Gate Entry Pump (Landside)	1	Jung Pumpen	Submersible	1.8kW	240V
Basement North Storm Water Pumps (Landside)	2	HCP Pump	Submersible	11 kW	380V
Basement South Storm Water Pumps (Landside)	2	HCP Pump	Submersible	311 kW	380V
Permit office basement tunnel Pumps (Landside)	2	Jung Pumpen	Submersible	0,75 kW	240V

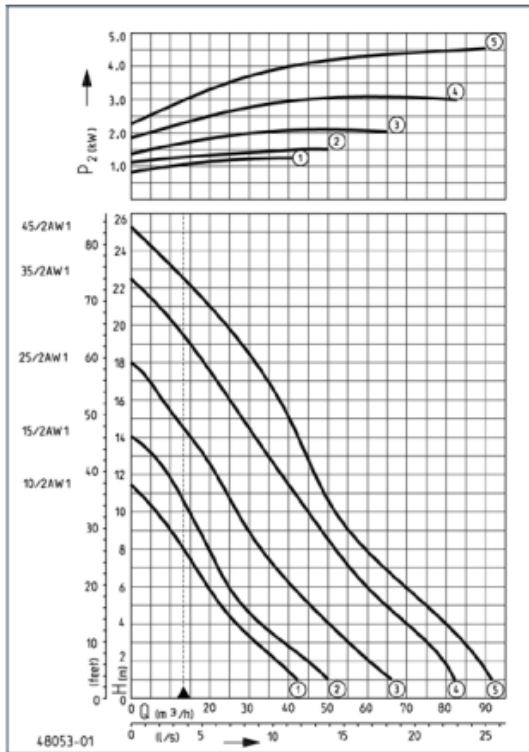
**ANSWERS BELOW**

**ANSWERS**

**1. Delivery Gate pump**

Jung pumpen 15/2 AW1, Ex JP47279

PERFORMANCE



Type	Art.-Nr.	Single unit		Duplex unit	
Type	Art.-Nr.	Type	Art.-Nr.	Type	Art.-Nr.
<b>Without ex-proof</b>					
10/2 AW1	JP47280	AD 25	JP00310	BD 25	JP45737
15/2 AW1	JP47278	AD 25	JP00310	BD 25	JP45737
25/2 AW1	JP09149	AD 46	JP14353	BD 46	JP45739
35/2 AW1	JP09151	AD 610	JP14354	BD 610	JP45741
45/2 AW1	JP46796	AD 910	JP47263	BD 910	JP47264
<b>With ex-proof</b>					
10/2 AW1, Ex	JP47281	AD 25 Ex	JP09683	BD 25 Ex	JP09681
15/2 AW1, Ex	JP47279	AD 25 Ex	JP09683	BD 25 Ex	JP09681
25/2 AW1, Ex	JP09150	AD 46 Ex	JP14355	BD 46 Ex	JP14360
35/2 AW1, Ex	JP09152	AD 610 Ex	JP14356	BD 610 Ex	JP14361
45/2 AW1, Ex	JP46870	AD 910 Ex	JP47265	BD 910 Ex	JP47266

Additional requirements, see technical data control units

Type	Delivery head H [m]	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22
10/2 AW1	Flow rate Q [m³/h]	45	37	31	27	22	19	16	13	10	7						
15/2 AW1		50	45	37	33	28	25	22	20	17	15	10					
25/2 AW1		68	61	55	51	46	41	37	33	30	27	22	16	9			
35/2 AW1		82	80	76	70	65	59	56	52	48	44	38	32	26	19	11	2
45/2 AW1		95	90	84	78	75	72	64	60	54	52	46	41	37	30	24	18

We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 tolerances

The minimum flow rate in the pressure pipe of  $v = 0,7$  m/s is marked in the Q-H-diagram (operative limit).

MULTIFREE DN 65, N = 2900 MIN-1

Type	Motor rating		Current	Wires	Fuse	S3	Free pas-sage	Discharge branch	Weight
Type	P1	P2							
10/2 AW1	1.7 kW	1.4 kW	3.3 A	6G1,5	10 A	50 %	65 mm	DN 65	43 kg
15/2 AW1	2.1 kW	1.7 kW	3.8 A	6G1,5	10 A	45 %	65 mm	DN 65	43 kg
25/2 AW1	2.9 kW	2.3 kW	4.9 A	6G1,5	10 A	35 %	65 mm	DN 65	43 kg
35/2 AW1	4.05 kW	3.34 kW	7.1 A	6G1,5	10 A	35 %	65 mm	DN 65	46 kg
45/2 AW1	6 kW	5 kW	9.4 A	6G1,5	20 A	20 %	65 mm	DN 65	51 kg

15/2 AW1 2.1 kW 1.7 kW 3.8 A 6 G1,5 10 A 45 % 65 mm DN 65 43 kg

2. Basement North Storm Water pump and Basement South Storm water pump are equal in size below is the specification of the pump:

**HCP Pump AF615 11KW 380V****Specifications**

Power	15 HP (11000 watts)
Discharge	6" (150mm)
Phase	3Ø
Start Method	Direct
Efficient / Maximum Head	16 / 24 meters
Efficient / Maximum Flow Rate	2500 / 6000 L/min
Solid Passage	70mm
Weight	217 kg

**3. Permit office**

Please see attached picture for specification. Please see pictures attached in the website