



# AW Liquid Ring Pumps + Elec Cab

Atlas Copco's ELEC CAB is the ideal partner for the Atlas Copco AW range of liquid ring pumps.

This powerful combination brings enhanced functionality to our LRP products and provides additional value to the proven and reliable technology of liquid ring pumps. Integrated VSD and pressure set point control allow process optimization and energy savings.

### Advantages of our AW LRP + Elec-Cab combination:

- Optimised performance to suit the process conditions
- Variable Speed Drive with a typical turndown ratio 35 – 60 Hz
- Pressure set point control
- Reduced energy consumption when compared with traditional vacuum relief valves
- Adaptation of the vacuum supply exactly to the demand
- Control and monitoring functions
- Equal wear for multiple pump systems



### Selection guideline single stage pump AWS Single Stage + Elec Cab

		TR1			TR2		TR3			
		AWS 180	AWS 280	AWS 360	AWS 450	AWS 600	AWS 800	AWS 1100	AWS 1300	AWS 1600
		60 Hz*								
Nominal Capacity	[m³/h]	200	309	381	525	690	875	1250	1400	1500
	[cfm]	118	182	224	309	406	515	736	824	883
Nominal Motor Power	[kW]	7,5	11,2	14,9	18,6	22,4	29,8	44,7	44,7	45
	[HP]	10	15	20	25	30	40	60	60	60,4
Total Power Demand	[kW]	5,8	8,9	11,7	16,2	23,9	27,8	39,5	44,5	41,1
	[HP]	7,8	12	15,7	21,7	32	37,3	53	59,7	55,1
Recommended Elec Cab		7,5 kW	15 kW	15 kW	22 kW	30 kW	30 kW	45 kW	45 kW	45 kW
Available Elec Cab**		S / 2 / 4	- / 2 / 4	- / 2 / 4	- / 2 / 4	S / - / -	S / - / -	S / - / -	S / - / -	S / - / -

\*VSD pump always 60 Hz, frequency of fix speed pump according local power supply!

\*\*Elec Cab for 2- and 4- pump systems available, S-Version for a single pump available.

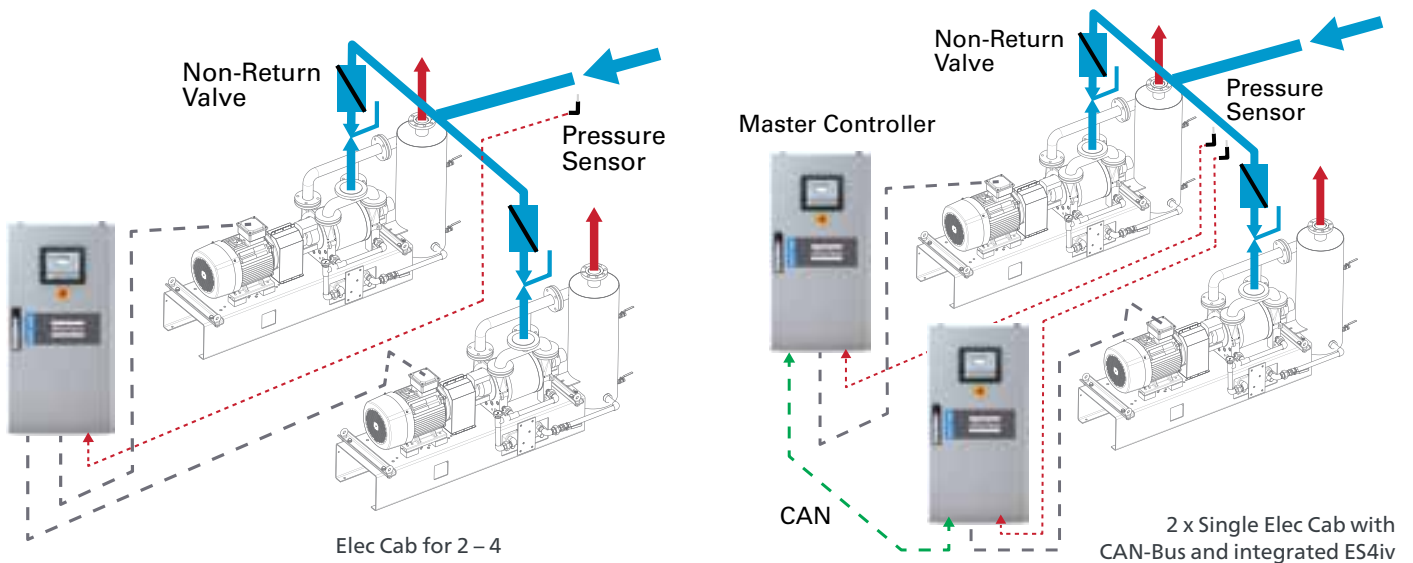
# Selection guideline double stage pump AWD Dual Stage + Elec Cab

		TR1		TR2	TR3
		AWD 200	AWD 400	AWD 610	AWD 1230
		60 Hz*			50 Hz
Nominal Capacity	[m³/h]	214	481	700	1250
	[cfm]	126	283	412	736
Nominal Motor Power	[kW]	7,5	14,9	29,8	45
	[HP]	10	20	40	60,4
Total Power Demand	[kW]	7,8	14,2	28,9	44,5
	[HP]	10,5	19,1	38,8	59,7
Recommended Elec Cab		15 kW	15 kW	30 kW	45 kW
Available Elec Cab **		- / 2 / 4	- / 2 / 4	S / - / -	S / - / -

\*VSD pump always 60 Hz, frequency of fix speed pump according local power supply.

\*\*Elec Cab for 2- and 4- pump systems available, S-Version for a single pump available.

## Systemization guideline



## Key notes for installation:

- Always install a non-return valve and an isolation valve before the inlet of each pump.
- The standard pressure sensor delivered with Elec Cab is 0,5 – 4,5V and can be installed a max. 15m from the cabinet. If you need further distance please use optional 4-20 mA remote pressure sensor with Extension Module, Kit 8092301491.
- For bigger pump size > 22 kW only Single Elec Cab will be available. To control multiple pumps each pump needs an Single Elec Cab which can be connected via CAN-Bus. Up to 4 pumps can be controlled by an integrated ES4iv.



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