

Electrical connection module

Betonwash 2.0 Basic - Plant 1

	n.	Unitary power [kW]	Unitary electrical current [A]	Coincidence factor	Use factor	Power consumption [kW]	Current consumption [A]	Power installed [kW]	Current installed [A]
Betonwash	1	11,00	21,00	1,00	1,00	11,00	21,00	11,00	21,00
Agitator	1	4,00	8,00	1,00	1,00	4,00	8,00	4,00	8,00
Slurry water pump for plant	1	9,20	18,00	1,00	1,00	9,20	18,00	9,20	18,00
Slurry water pump for washing column	2	3,50	8,00	1,00	1,00	7,00	16,00	7,00	16,00
Totale						31,20	63,00	31,20	63,00

Betonwash 2.0 Basic - Plant 2

	n.	Unitary power [kW]	Unitary electrical current [A]	Coincidence factor	Use factor	Power consumption [kW]	Current consumption [A]	Power installed [kW]	Current installed [A]
Betonwash	1	11,00	21,00	1,00	1,00	11,00	21,00	11,00	21,00
Agitator	1	4,00	8,00	1,00	1,00	4,00	8,00	4,00	8,00
Slurry water pump for plant	1	9,20	18,00	1,00	1,00	9,20	18,00	9,20	18,00
Slurry water pump for washing column	2	3,50	8,00	1,00	1,00	7,00	16,00	7,00	16,00
Totale						31,20	63,00	31,20	63,00

Waterwash 2.0 - Plant 1

	n.	Unitary power [kW]	Unitary electrical current [A]	Coincidence factor	Use factor	Power consumption [kW]	Current consumption [A]	Power installed [kW]	Current installed [A]
Auxiliary	1	1,00	4,83	1,00	1,00	0,58	/	1,00	/
Lights	1	2,00	10,00	1,00	1,00	1,16	/	2,00	/
General container	1	12,00	8,79	0,65	0,60	2,72	/	12,00	/
Waterwash	1	18,00	40,00	1,00	1,00	10,48	/	18,00	/
Totale						14,95	/	33,00	/

Waterwash 2.0 - Plant 2

	n.	Unitary power [kW]	Unitary electrical current [A]	Coincidence factor	Use factor	Power consumption [kW]	Current consumption [A]	Power installed [kW]	Current installed [A]
Auxiliary	1	1,00	4,83	1,00	1,00	0,58	/	1,00	/
Lights	1	2,00	10,00	1,00	1,00	1,16	/	2,00	/
General container	1	12,00	8,79	0,65	0,60	2,72	/	12,00	/
Waterwash	1	18,00	40,00	1,00	1,00	10,48	/	18,00	/
Totale						14,95	/	33,00	/

Note

Power installed = users rated power

Power consumption = users number multiplied by coincidence factor, power installed, use factor

Coincidence factor = value which considers what percentage of users are used simultaneously

Betonwash 2.0 Basic - Plant 1

installed power : 32kW
 max required power : 32kW
 tension : 400V
 frequency : 50Hz
 neutral line : no
 Max admitted fluctuations : +-5% on voltage +- 1% on frequency

Betonwash 2.0 Basic - Plant 2

installed power : 32kW
 max required power : 32kW
 tension : 400V
 frequency : 50Hz
 neutral line : no
 Max admitted fluctuations : +-5% on voltage +- 1% on frequency

Waterwash 1.0 - Plant 1

installed power : 33kW
 max required power : 15kW
 tension : 400V
 frequency : 50Hz
 neutral line : Yes
 Max admitted fluctuations : +-5% on voltage +- 1% on frequency

Waterwash 1.0 - Plant 2

installed power : 33kW
 max required power : 15kW
 tension : 400V
 frequency : 50Hz
 neutral line : Yes
 Max admitted fluctuations : +-5% on voltage +- 1% on frequency