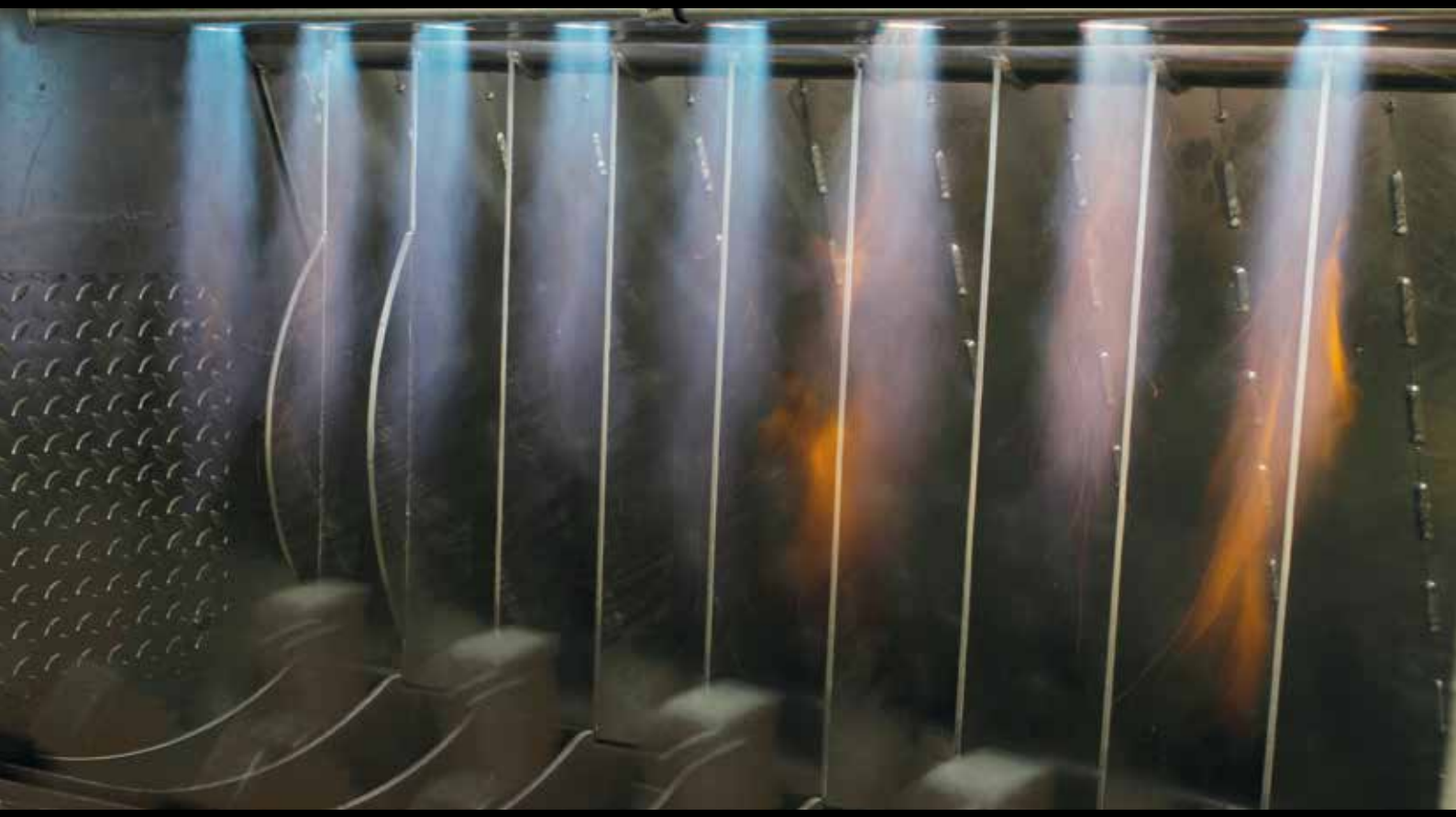
JWE BAUMANN FOODTEC



SDM

2-Roll Dehairing Machines with Windlass Conveyor Tank

JWE SDM 16-60

Technical Data

JWE DM 16
2-Roll Dehairing Machine

	Natural gas singeing
	JWE DM 16-20
Performance data	
Passage width [mm]	2000
Nominal output [pigs/h]	30
Maximum slaughter weight [kg]	200
Minimum slaughter weight [kg]	25
Drive unit	
Connected load, drive motor [kW]	3.0
Speed of large dehairing roll [min^{-1}]	60
Speed of small dehairing roll [min^{-1}]	80
Singeing, natural gas	
Number of burners [no.]	9
Connected load, blower motor [kW]	1.2
Exhaust gas cowl connection, Ø [mm]	250
Gas supply pipe, Ø [inch]	3
Gas connection to the dehairing machine, Ø [inch]	1½
Gas pressure – main burner (flow pressure) [mbar]	30 – 50
Gas pressure – ignition burner rail [mbar]	min. 30 – 50
Connected load [m^3/h]	50
Connected load [kg/h]	-
Consumption during 15 second flame time [m^3]	0.20
Consumption during 15 second flame time [kg]	-
Water spray	
Cold water connection, Ø [inch]	¾
Electric power supply	
Total connected load, JWE DM 80 I [kW]	4.2
Dimensions and weights	
Length [mm]	970
Width [mm]	2420
Height [mm]	2500
Weight [kg]	1500
Weight in operating condition [kg]	1700

Propane gas-fired singeing	without singeing
JWE DM 16-20	**JWE DM 16-20**
2000	2000
30	30
200	200
25	25
3.0	3.0
60	60
80	80
9	-
1.2	-
250	-
2	-
¾	-
1.5	-
50	-
-	-
30	-
-	-
0.20	-
	-
¾	¾
4.2	3.0
970	970
2420	2420
2500	2500
1500	1300
1700	1500

JWE SM 60-4
Windlass Conveyor Tank

	Steam heater
	JWE SM 60-4-20
Performance data	
Passage width [mm]	2000
Nominal output [pigs/h]	25
Maximum slaughter weight [kg]	200
Minimum slaughter weight [kg]	25
Drive unit	
Connected load, conveyor motor, windlass [kW]	0.12
Speed, conveyor motor, windlass [min^{-1}]	0.43
Water circulation	
Number of pumps	1
Connected load, pumps [kW]	3.0
Scalding water	
Scalding water requirements [m^3]	1.9
Scalding water temperature [°C]	62
Initial temperature [°C]	10
Water supply/draining, scalding tank	
Hot water connection, Ø [inch]	1½
Cold water connection, Ø [inch]	1½
Tank outlet, Ø [inch]	3
Steam heater	
Supply temperature, steam [°C]	110
Steam pressure [bar]	1.1
Heat required for heating [kW]	110
Heat required for reheating [kW]	50
Steam connection, Ø [inch]	1½
Pneumatics for controlling the steam metering valve [bar]	6
Electric power supply	
Total connected load, JWE SM 60-4 [kW]	3.12
Dimensions and weights	
Length [mm]	1580
Width [mm]	2420
Height [mm]	2700
Weight [kg]	1300
Weight in operating condition [kg]	3600

	Hot water heat exchanger heater
	JWE SM 60-4-20
Performance data	
Passage width [mm]	2000
Nominal output [pigs/h]	25
Maximum slaughter weight [kg]	200
Minimum slaughter weight [kg]	25
Drive unit	
Connected load, conveyor motor, windlass [kW]	0.12
Speed, conveyor motor, windlass [min^{-1}]	0.43
Water circulation	
Number of pumps	1
Connected load, pumps [kW]	3.0
Scalding water	
Scalding water requirements [m^3]	1.9
Scalding water temperature [°C]	62
Initial temperature [°C]	10
Water supply/draining, scalding tank	
Hot water connection, Ø [inch]	1½
Cold water connection, Ø [inch]	1½
Tank outlet, Ø [inch]	3
Hot water heat exchange heater	
Flow temperature [°C]	90-95
Flow pressure [bar]	1-2
Heat required for heating [kW]	110
Heat required for reheating [kW]	60
Heating surface [m^3]	3.0
Flow connection, Ø [inch]	1½
Down stream connection, Ø [inch]	1½
Pneumatics for controlling the solenoid valve [bar]	6
Electric power supply	
otal connected load, JWE SM 60-4 [kW]	3.12
Dimensions and weights	
Length [mm]	1580
Width [mm]	2420
Height [mm]	2700
Weight [kg]	1600
Weight in operating condition [kg]	3900

JWE SM 60-4
Windlass Conveyor Tank

	Electric heating
	JWE SM 60-4-20
Performance data	
Passage width [mm]	2000
Nominal output [pigs/h]	25
Maximum slaughter weight [kg]	200
Minimum slaughter weight [kg]	25
Drive unit	
Connected load, conveyor motor, windlass [kW]	0.12
Speed, conveyor motor, windlass [min^{-1}]	0.43
Water circulation	
Number of pumps	1
Connected load, pumps [kW]	3.0
Scalding water	
Scalding water requirements [m^3]	1.9
Scalding water temperature [°C]	62
Initial temperature [°C]	10
Water supply/draining, scalding tank	
Hot water connection, Ø [inch]	1½
Cold water connection, Ø [inch]	1½
Tank outlet, Ø [inch]	3
Electric heater	
Electrical connection [kW]	40
Heat required for heating [kW]	110
Heat required for reheating [kW]	50
Heat transfer oil [l]	120
Electric power supply	
Total connected load, JWE SM 60-4 [kW]	43.12
Dimensions amnd weights	
Length [mm]	1580
Width [mm]	2420
Height [mm]	2700
Weight [kg]	1400
Weight in operating condition [kg]	3900

Determination of the total weight of the JWE 16-60 in the operating condition

The total weight of the JWE 16-60 in the operating condition is calculated as follows:

Weight in operating condition in [kg] of the selected JWE 16 dehairing machine (see Tab. page 2-3)
+ Weight in operating condition in [kg] of the selected JWE 60-4 windlass conveyor tank (see Tab. page 4-6)

= Total weight in operating condition of the JWE 16-60 in [kg]

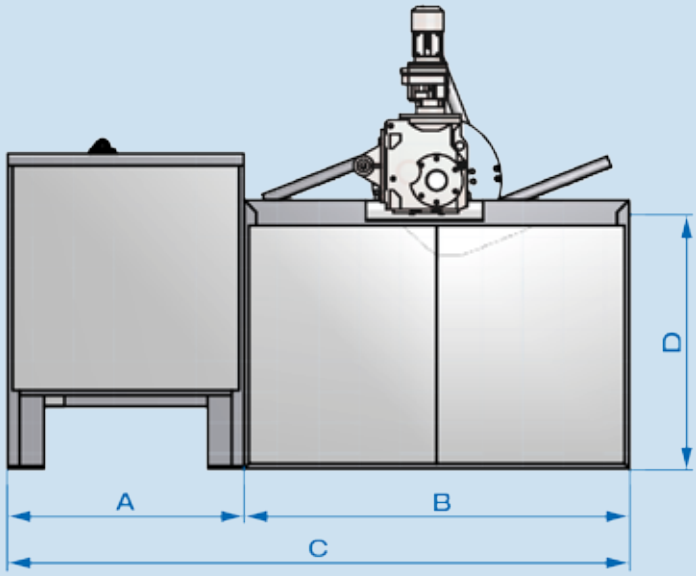
Determination of the required total electrical power connected load

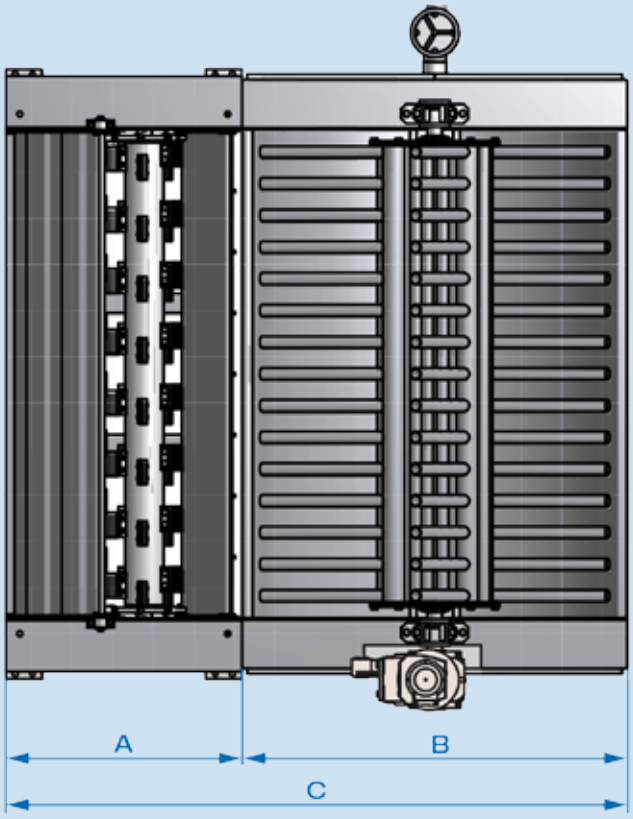
The required total electrical power connected load [kW] of the JWE 16-60 is calculated as follow:

Total connected load in [kW] of the selected JWE 16 dehairing machine (see Tab. page 2-3)
+ Total connected load in [kW] of the selected JWE 60-4 windlass conveyor tank (see Tab. page 4-6)

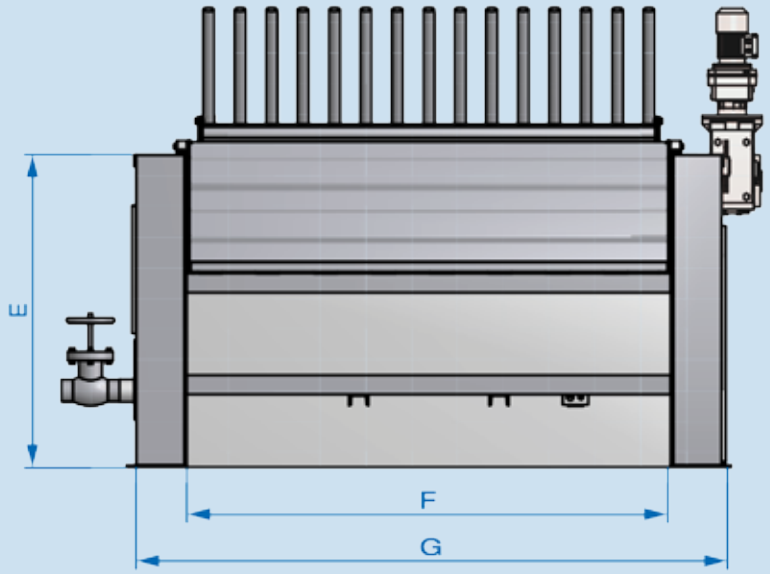
= Total electrical power connected load of the JWE 16-60 in [kW]

JWE SDM 16-60





JWE SDM 16-60	Dimension A [mm]	Dimension B [mm]	Dimension C [mm]
JWE SDM 16-60-4-20	970	1580	2550



Dimension D [mm]	Dimension E [mm]	Dimension F [mm]	Dimension G [mm]
1080	1290	2000	2420

JWE-Baumann hat, was zählt: Kompetenz, Erfahrung, Engagement und immer die beste technische Lösung für jeden einzelnen Kunden. Deshalb gehört JWE-Baumann zu den führenden Herstellern qualitativ hochwertiger Schlachthausmaschinen. Weltweit.

JWE-Baumann has what counts: expertise, experience, commitment and always the best possible solution for the requirements of our customers. These are the qualities that mark JWE-Baumann as one of the market leaders for high-class abattoir machines. Wordwide.



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