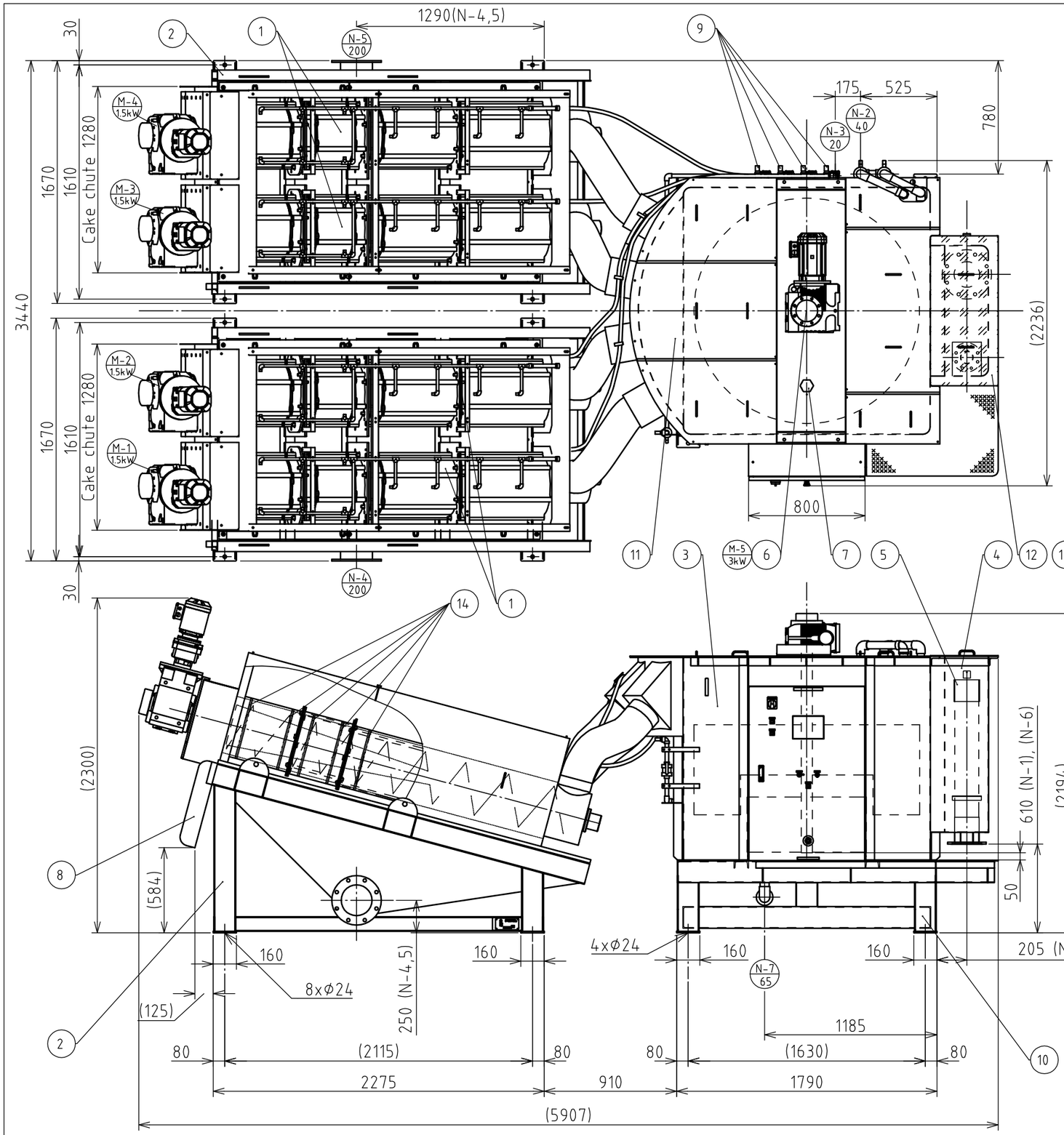


MOTOR LIST

No.	Name	Power Consumption (reduction ratio)
M-1	No.1 V-Screw Motor	1,5kW (1/504)
M-2	No.2 V-Screw Motor	1,5kW (1/504)
M-3	No.3 V-Screw Motor	1,5kW (1/504)
M-4	No.4 V-Screw Motor	1,5kW (1/504)
M-5	Flocculation Tank Agitation Motor	3kW (1/57)
TOTAL POWER		9kW

NOZZLE LIST

No.	DN	Name	Connection
N-1	80	Sludge inlet	PN10 Flange (1.4301)
N-2	40	Chemical inlet	Union socket (PVC)
N-3	20	Water inlet	Union socket (PVC)
N-4	200	No.1 Filtrated water outlet	PN10 Flange (1.4301)
N-5	200	No.2 Filtrated water outlet	PN10 Flange (1.4301)
N-6	150	Sludge over flow	PN10 Flange (1.4301)
N-7	65	Flocculation tank drain	Ball Valve (PVC)

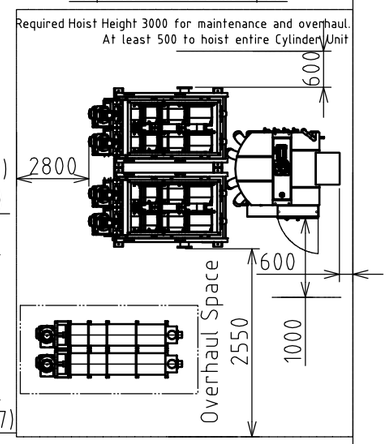
SPECIFICATION

CYLINDER UNIT	Φ400x4 Thickening zone -1.4301 Dewatering zone - 1.4301
TYPE	Multi-Discplate Screw Press
EMPTY WEIGHT	8070kg(2x3080kg-dewatering press +1910kg-flocculation tank)
OPERATING WEIGHT	13000kg=(2x3520kg-dewatering press +5960kg-flocculation tank)

Part list

No.	Name	Mat.	Remarks/Drawing
1	Cylinder unit	1.4301	
2	No.1 and No.2 Cylinder unit base	1.4301	Hole:8xΦ24
3	Flocculation tank	1.4301	□1700x1700x1500(H)
4	Flow control tank	1.4301	□900x400x1300(H)
5	Water level adjuster	1.4301 PVC	
6	Flocc. tank agitator	1.4301	Paddle type
7	Level switch	1.4301	Electrode type
8	Sludge cake chute	1.4301	
9	Solenoid valve	1.4401	DN20
10	Flocc. tank base	1.4301	Hole:4xΦ24
11	Flocc. tank cover	1.4301	
12	Flow control tank cover	PVC	Transparent
13	Control panel	DC-01	Siemens HMI
14	Inspection port	1.4301	

Required Maintenance Space



END USER/PROJECT:

TITLE	ASSEMBLY DRAWING
MODEL	ES-404-SA-CE VOLUTE
DRAWING No.	DE0209-SI-0
DATE	16/11/2016
SCALE	1:30
PAGE	1/1
APPROVED	SO
CHECKED	SO
DESIGNED	RT
	AMCON Europe s.r.o.

MARK	NOTICE	DATE	NAME
⚠X	--	--	--
⚠X			
⚠X			