

GRANULATION PROCESS EQUIPMENTS	GENEMA
--------------------------------	----------------------------------------------------------------------------------------

GENEMA-NextGEN40-Granulator	Rev:1 https://www.genemamachine.com
------------------------------------	-------------------------------------------------------------------------------------------

01	DESCRIPTION: Granulator machine for the granulation of the powder raw material fed under suitable conditions.	40	ORIGIN: 100% Türkiye
02		41	BRAND: GENEMA
03	INPUT: Powder	42	MANUFACTURER: Biofet Gübre ve Tarım Teknolojileri San. Tic. A.Ş.
04	DESIRED OUTPUT: 2-4 mm Granular Product	43	ADDRESS: Güllübağlar mah. Işıl Cad. No:9A Pendik-Istanbul/Türkiye
05	SITE & UTILITY DATA	44	OPERATION
06	LOCATION: <input checked="" type="radio"/> INDOOR <input type="radio"/> OUTDOOR	45	PROCESS: <input type="radio"/> BATCH <input checked="" type="radio"/> CONTINUOUS
07		46	
08	ELECTRICAL AREA CLASSIFICATION:	47	MATERIAL ENTERANCE: Top-Hopper
09	CL.: GR.: DIV.:	48	
10	AMBIENT TEMP.: 45/10 (°C)	49	FEED SPOUT: 500*500 (mm)
11	(MAX / MIN)	50	
12	<input type="radio"/> WINTERIZATION REQ. <input type="radio"/> TROPICALIZATION REQ.	51	<input type="radio"/> DRY GRANULATION <input checked="" type="radio"/> WET GRANULATION
13		52	
14	RELATIVE HUMIDITY: Max. 70%; Min. 10%	53	GRANULATION METHOD: By means of mechanical arms connected to the central shaft
15		54	
16	USAGE TYPE: Pedestal Type/Countertop	55	PROCESS CONTROL: Adjusting the rotational speed of the central shaft via HMI.
17		56	
18	SUPPORT STRUCTURE: ST37 Steel	57	DIRECTION OF THE ROTATION (FROM DRIVER):
19		58	<input checked="" type="radio"/> CLOCK WISE <input type="radio"/> COUNTER-CLOCKWISE
20	MATERIAL FEEDING: Manual/GRF40	59	EQUIPMENT
21		60	CONSIST: Hopper, Body, Shaft, Support Structure, Gearmotor, Chimney, HMI
22	OVERALL DIMENSIONS: 4200*1450*1050(mm)	61	BODY: Anti-corrosive coated ST37/ST42 8 mm thickness
23		62	BODY DIAMETER: 400 (mm)
24	WEIGHT: 2350 (kg)	63	POSITION OF THE BODY: Inclined
25		64	
26	INPUT MATERIAL CONDITIONS	65	SHAFT: ST37/ST42 central shaft
27	INPUT MATERIAL FORM: Powder	66	ARMS & STIRRERS: ST37/42 Arms with detachable type manganese teeth stirrers
28		67	
29	PARTICLE SIZE: 500/1 (µm)	68	CHIMNEY: On-body process gas discharge chimney
30	(MAX / MIN)	69	
31	BULK DENSITY: 650-1300 (kg/m3)	70	MOTOR
32	(MAX / MIN)	71	MANUFACTURER: Yılmaz Redüktör-Türkiye
33	MOHS HARDNESS: < 3	72	TYPE: Reducer
34		73	POWER: 37 kW 3 phases/380V
35	pH: 6-8,5	74	RATED SPEED: 1500 (rpm)
36			
37	MOISTURE CONTENT: 30/18 (%)		
38	(MAX / MIN)		
39	BINDER: If required		

DIAGRAM

