

GRANULATION PROCESS EQUIPMENTS



GENEMA-NextGEN80-Granulator

Rev:1  
<https://www.genemamakine.com>

01	<b>DESCRIPTION:</b> Granulator machine for the granulation of the powder raw material fed under suitable conditions.		<b>ORIGIN:</b> 100% Türkiye
02			<b>BRAND:</b> GENEMA
03	<b>INPUT:</b> Powder	<b>MANUFACTURER:</b> Biofet Gübre ve Tarım Teknolojileri San. Tic. A.Ş.	
04	<b>DESIRED OUTPUT:</b> 2-4 mm Granular Product	<b>ADDRESS:</b> Güllübağlar mah. Işıl Cad. No:9A Pendik-Istanbul/Türkiye	
05	<b>SITE &amp; UTILITY DATA</b>		<b>OPERATION</b>
06	<b>LOCATION:</b>	• INDOOR    ○ OUTDOOR	<b>PROCESS:</b> ○ BATCH    • CONTINUOUS
07	<b>ELECTRICAL AREA CLASSIFICATION:</b>		<b>MATERIAL ENTERANCE:</b> Top-Hopper
08	CL.:	GR.:    DIV.:	
09	<b>AMBIENT TEMP.:</b> (MAX / MIN)	45/10 (°C)	<b>FEED SPOUT:</b> 500*500 (mm)
10	○ WINTERIZATION REQ.    ○ TROPICALIZATION REQ.		○ DRY GRANULATION    • WET GRANULATION
11	<b>RELATIVE HUMIDITY:</b>	Max. 70%; Min. 10%	<b>GRANULATION METHOD:</b> By means of mechanical arms connected to the central shaft
12	<b>USAGE TYPE:</b>	Pedestal Type/Countertop	<b>PROCESS CONTROL:</b> Adjusting the rotational speed of the central shaft via HMI.
13	<b>SUPPORT STRUCTURE:</b>	ST37 Steel	<b>DIRECTION OF THE ROTATION (FROM DRIVER):</b> • CLOCK WISE    ○ COUNTER-CLOCKWISE
14	<b>MATERIAL FEEDING:</b>	Manual/GRF40	<b>EQUIPMENT</b>
15	<b>OVERALL DIMENSIONS:</b>	4250*1850*1300(mm)	<b>CONSIST:</b> Hopper, Body, Shaft, Support Structure, Gearmotor, Chimney, HMI
16	<b>WEIGHT:</b>	3450 (kg)	<b>BODY:</b> Anti-corrosive coated ST37/ST42 8 mm thickness
17	<b>INPUT MATERIAL CONDITIONS</b>		<b>BODY DIAMETER:</b> 800 (mm)
18	<b>INPUT MATERIAL FORM:</b>	Powder	<b>POSITION OF THE BODY:</b> Inclined
19	<b>PARTICLE SIZE:</b> (MAX / MIN)	500/1 (µm)	<b>SHAFT:</b> ST37/ST42 central shaft
20	<b>BULK DENSITY:</b> (MAX / MIN)	650-1300 (kg/m3)	<b>ARMS &amp; STIRRERS:</b> ST37/42 Arms with detachable type manganese teeth stirrers
21	<b>MOHS HARDNESS:</b>	< 3	<b>CHIMNEY:</b> On-body process gas discharge chimney
22	<b>pH:</b>	6-8,5	<b>MOTOR</b>
23	<b>MOISTURE CONTENT:</b> (MAX / MIN)	30/18 (%)	<b>MANUFACTURER:</b> Yılmaz Redüktör-Türkiye
24	<b>BINDER:</b>	If required	<b>TYPE:</b> Reducer
			<b>POWER:</b> 55 kW 3 phases/380V
			<b>RATED SPEED:</b> 1500 (rpm)

DIAGRAM

