



SPECIFICATIONS FOR RRCP 45-33 COMPOUNDING PLANT

Output : Up to 200kg/hr for LLDPE GRANULES

Power Supply : 3 ϕ x 415 V – 50 Hz (As per Customer Country Voltage Specification)

Motive power : 48kw

Heating load : 12kw

Total power requirement : 60kw

Consumed load will be 60% : 36kw

Water requirement : 2000litrs/hour

Plant dimensions : 11mtr H x 3mtr W x 2.5 mtr H

Centre height : 1050 mm

Control side : R.H.S. in extrusion direction

MACHINE SPECIFICATIONS:-

1. GROOVED FEED EXTRUDER

SCREW	:	45mm diameter
Material	:	EN-41B, Stress Relieved, and Gas Nitrided
L/d Ratio	:	33:1
BARREL	:	To suit 45mm dia. Screw & FEED SECTION is Grooved Design
Material	:	EN-41B, Stress Relieved, and Gas Nitride Feeding section cooled by water
Cooling arrangement	:	circulation through a jacket and all zones will be cooled by blower
Heating system	:	Ceramic band heaters with PID temperature controllers
No. Of zones	:	4 Zones on barrel
Heating Load	:	10 KW
MAIN DRIVE	:	45 KW A.C motor [Make – ABB/ SIEMENS] with AC DRIVE

GEAR BOX : **[Make - ABB]**
Helical type with integral thrust bearing housing.
HOPPER :
Fabricated hopper with glass window for visual inspection of raw material level. Magnet will be provided in hopper

2. DIE

No. of holes : 21 – 24
Surface : Mirror finished
Heating Load : 2 KW

3. WATER TANK : 400 mm(W) x 400 mm (H) x 3000 mm(L)

Material : Stainless Steel

4. Air knife : With 2.25kw blowers
