

Description	ZV20	ZV35	ZV40	ZV50	ZV62	ZV72	ZV92
Output Up to Depends on Material	Up to 15 Kg/hr	Up to 75 Kg/hr	Up to 200 Kg/hr	Up to 300 Kg/hr	Up to 400 Kg/hr	Up to 550 Kg/hr	Up to 750 Kg/hr
Specific Energy (Avg.)	0.22 units/kg.	0.22 units/kg.	0.20 units/kg.	0.20 units/kg.	0.22 units/kg.	0.22 units/kg.	0.22 units/kg.
Screw Diameter	21.5 mm	37 mm	42 mm	51.3 mm	62 mm	72 mm	92.8 mm
Channel Depth	4 mm	6.35 mm	7.35 mm	9.25 mm	11 mm	13 mm	16.4 mm
Screw Volume (DO-DI Ratio )	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Screw Length	820 mm	1480 mm	1680 mm	2050 mm	2480 mm	2880 mm	3710 mm
Screw L/D	40	40	40	40	40	40	40
Screw Lobe	Bi lobe	Bi lobe	Bi lobe	Bi lobe	Bi lobe	Bi lobe	Bi lobe
Torque Limiter Coupling	Auto Re-engage Type	Auto Re-engage Type	Auto Re-engage Type	Auto Re-engage Type	Auto Re-engage Type	Auto Re-engage Type	Auto Re-engage Type
Screw Construction	Segmental	Segmental	Segmental	Segmental	Segmental	Segmental	Segmental
Barrels Construction	Segmental Liquid close loupe circuit	Segmental Liquid close loupe circuit	Segmental Liquid close loupe circuit	Segmental Liquid close loupe circuit	Segmental Liquid close loupe circuit	Segmental Liquid close loupe circuit	Segmental Liquid close loupe circuit
Screw Speed	600 RPM	600 RPM	600 RPM	600 RPM	600 RPM	600 RPM	600 RPM
Max Torque	75 Nm (each shaft)	400 Nm (each shaft)	890 Nm (each shaft)	1200 Nm (each shaft)	1450 Nm (each shaft)	1950 Nm (each shaft)	3850 Nm (each shaft)
Specific Torque	12 Nmcm <sup>3</sup>	11 Nm cm <sup>3</sup>	17 Nm cm <sup>3</sup>	16 Nm cm <sup>3</sup>	12Nm cm <sup>3</sup>	10 Nm cm <sup>3</sup>	09Nm cm <sup>3</sup>
Volumetric / Force Feeding	Twin screw	Twin screw	Twin screw	Twin screw	Twin screw	Twin screw	Twin screw
Side Feeding	Twin screw	Twin screw	Twin screw	Twin screw	Twin screw	Twin screw	Twin screw
De-gassing (Vacuum)	Oil Ring Vacuum Pump	Water Ring	Water Ring	Water Ring	Water Ring	Water Ring	Water Ring
Heating System	Ceramic Heaters	Cast heaters	Cast heaters	Cast heaters	Cast heaters	Cast heaters	Cast heaters
Heating & Controlling Zones	03 for Barrels and 01 for Die Head	09 for Barrels and 01 for Die Head	09 for Barrels and 01 for Die Head	09 for Barrels and 01 for Die Head	09 for Barrels and 01 for Die Head	09 for Barrels and 01 for Die Head	09 for Barrels and 01 for Die Head
Total Heating Load	8 Kw	16 Kw	20 Kw	24 Kw	28 Kw	33 Kw	40 Kw
Extruder Motor	3.5/5.5 Kw	22/30 Kw	56/75 Kw	75/90 Kw	90/120 Kw	120 Kw	200 Kw
Drives	AC Inverter	AC Inverter	AC Inverter	AC Inverter	AC Inverter	AC Inverter	AC Inverter
Connected Energy Load	18 Kw Entire Extruder	46 Kw Entire Extruder	80 Kw Entire Extruder	103 Kw Entire Extruder	122 Kw Entire Extruder	158 Kw Entire Extruder	250 Kw Entire Extruder
Melt Pressure Transducer	200 bar	200 bar	200 bar	200 bar	400 bar	400 bar	400 bar
Melt Temp Transducer	400° Degree C	400° Degree C	400° Degree C	400° Degree C	400° Degree C	400° Degree C	400° Degree C
Control Panel	PLC & HMI	PLC & HMI	PLC & HMI	PLC & HMI	PLC & HMI	PLC & HMI	PLC & HMI

<b>Post Extrusion Equipment</b>	For Engineering Polymers	Dry Strand Pelletizer
	For Fillers & Masterbatch	Water ring Die Face Cutter