

V-LINE® Injection Molding Machine for Medium Sized High-Value Added Products

TR350EH3/TR450EH3

Precise and stable molding by the V-LINE® and direct pressure mold clamping further increased the high-value added to medium and large-sized molded products

V-LINE® Electric Hybrid

The features of the medium sized electric hybrid machine are the integrated V-LINE® and direct pressure mold clamping developed in-house, which realizes high precision and stable molding with accurate and high repeatability.

Shot capacity 1000 cc

A theoretical shot capacity specification of 1000 cc was added to the lineup. This specification achieves a high-speed and high pressure shot capacity, which expanded the molding range of thicker and deeper products.

Mold Opening Assist Function

Utilizing the mold clamping cylinder return mechanism, a new mold opening assist function which generates an initial opening force up to 294 kN was developed. This function realized a mold opening force of six times more than a conventional machine, which allows for easy and reliable molding of thicker and deeper products with high mold release resistance.



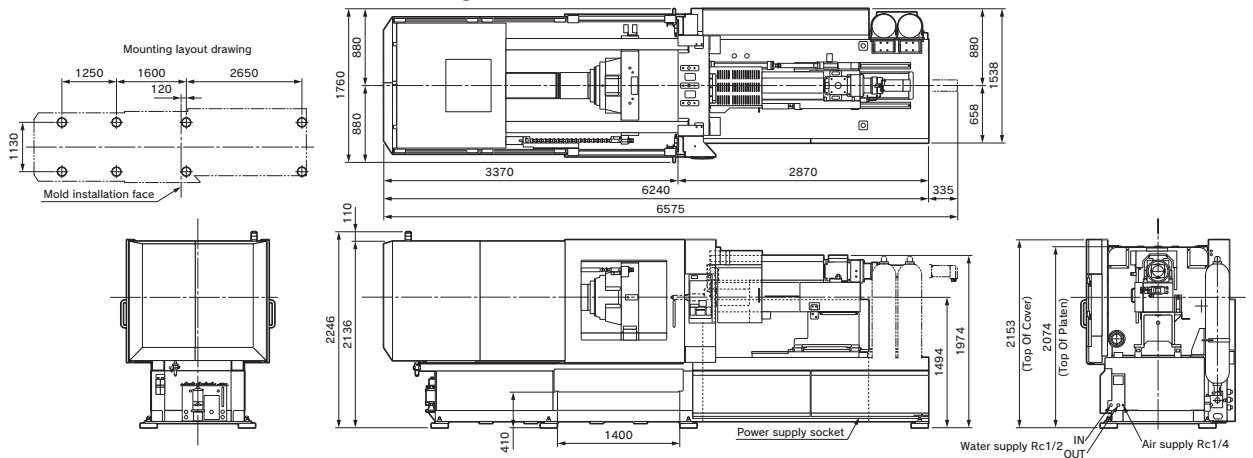
TR350EH3/TR450EH3

Spec.

Clamping Unit		
Max. clamping force	kN	3430 [4410]
Tie bar distance	mm	820 × 820
Open daylight (Min. mold thickness + Max. stroke)	mm	1350
Min./Max. mold thickness	mm	450 / 950
Ejector stroke	mm	150

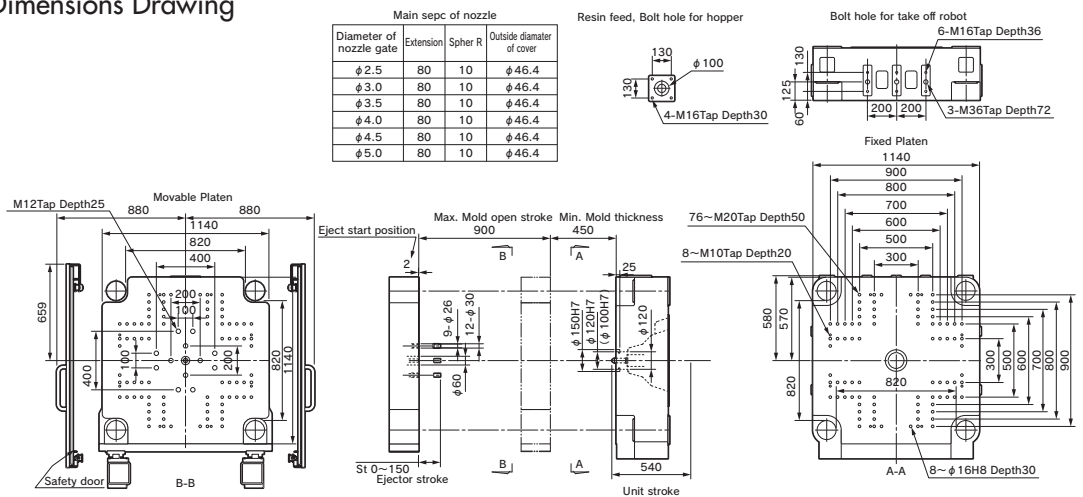
Plasticization & injection unit				
Screw diameter	mm	50	50L	66
Plunger diameter	mm	50	60	60
Max. injection pressure	MPa	219.5	166.6	197
Theoretical injection volume	cm ³	392	621	1017
Max. injection speed	mm/s	300	300	200
Plasticization capacity	kg/h	100	110	190
Machine dimensions / Weight				
Machine dimensions (L x W x H)	mm	6240x1760x2246		6575x1760x2246
Machine weight	kg	15000		16000

Machine Dimensions & Installation Drawing



Unit: mm

Mold Installation Dimensions Drawing



Unit: mm

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