

PLASTAR ET-45HR4 Basic specifications

Injection system		In-line screw			
Injection Unit	—	C		D	
Injection stroke	in	3.77		[4.4]	
Screw diameter	in(mm)	0.94(24)	[1.10(28)]	[1.10(28)]	[1.25(32)]
Theoretical injection capacity	in ³	2.62	[3.6]	[4.21]	[5.49]
Injection Standard	Injection Unit	—	C55	[D75]	
	Injection rate	in ³ /s	5.5	[7.5]	[9.8]
	Max. injection speed	in/s	7.9	[7.9]	[7.9]
	Max. injection pressure	psi	34114	[26442]	[34114]
	Max. inj. holding pressure	psi	28429	[21321]	[25596]
	Recovery rate (PS)	oz/s	[0.26]	[0.35]	[0.38]
High speed	Screw revolution speed	min ⁻¹	500	[350]	
	Nozzle pressing force	U.S.ton	1.64	[2.19]	

Clamping system	—	Toggle			
Clamping force	U.S.ton	45			
Clamping stroke	in	9.84			
Min. mold height	in	9.25			
Max. mold height	in	11.81			
Max. die plate size (H×V)	in	11.81×11.81		13.78×10.83	
Max. lower mold-half weight	lb	189×4 pcs			
Table diameter	in	40.94			
Nozzle center height	in	5.91 (From table surface) [5.91~7.88]			
Ejector force	U.S.ton	2.2			
Ejector stroke	in	1.57			

Others	Heater capacity	kW	3.45	[5.5]	[5.5]	[5.9]
	Mold height motor output	kW		0.2[0.2×3]		
	Nozzle touch motor output	kW		0.4		
	Machine dimension(L)	in		131.5		
	Machine dimension(W×H)	in		44.88×86.18		
	Power source	—		Three-phase AC200V/200, 220V±10% 50Hz/60Hz		
	Main breaker capacity	A		125		
	Total electric capacity	kVA	C55+C75:11		D75:11	D150:20
	Cable size 200V Class[400V Class※1]	in ²	0.03[0.02]		0.03[0.02]	
	Machine weight	U.S.ton	6.4		6.6	

NOTES

- The figures are subject to change without any legal obligation on the part of the manufacturer.
- The maximum injecting pressure and the maximum holding pressure are attainable maximum set values.
- There values may be limited by molding conditions and cycle time.
- The injection rate and the maximum injecting speed are calculated values.
- These values may be limited by set injecting pressures.
- When a screw with wide diameter is used, some resins may not be accepted.
- When the machine is attached with an option, the capacity of the breaker may be changed.
- The values in brackets are applied to machines with options.
- ※1.A transformer(option) is necessary on the machine side.
- Figures in [] are optional.