

PLASTAR ET-45HR4 Basic specifications

Injection	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】
	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】
	High speed	Injection Unit	【C75】		【D150】	
		Injection rate	in ³ /s	【8.2】	【11.2】	【14.7】
		Max. injection speed	in/s	【11.8】	【11.8】	【11.8】
		Max. injection pressure	psi	【34114】	【26442】	【26296】
		Max. inj. holding pressure	psi	【28429】	【21321】	【21321】
	Recovery rate (PS)		oz/s	【0.26】	【0.35】	【0.38】
	Screw revolution speed		min ⁻¹	500	【350】	
	Nozzle pressing force		U.S.ton	1.64	【2.19】	

Clamping	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 manufacture.
 - 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.