

INTERMIX[®] E Series intermeshing mixer



INTERMIX® E series – Technical data for the technical rubber goods industry

	Unit	IM20E	IM45E	IM90E	IM110E	IM135E	IM190E	IM250E	IM320E
Chamber volume*	l (approx)	20	48	90	112	140	203	261	332
Useful volume at fill factor 0.7	l (approx)	14	34	63	78	98	142	183	232
Batch weight at specific gravity 1.2 kg/l	kg (approx)	17	40	76	94	118	171	220	279
Standard rotor speed**	rpm	5-50	5-50	5-50	5-50	5-50	5-50	5-50	5-50
Related motor power	kW	9-90	22-220	39-390	48-480	60-600	87-870	110-1,100	140-1,400
Ram pressure on compound (Pneumatic or Hydraulic Ram)	N/cm ² (approx)	50	50	50	50	50	50	50	50
Useful volume of the feeding hopper Up to the feed door shaft (including mixing chamber throat)	l (approx)	50	110	173	205	286	481	550	730
Useful volume of the feeding hopper Up to the feed opening (including mixing chamber throat)	l (approx)	65	145	220	260	341	490	710	915
Dimensions of feed hopper	Lenght in mm	390	535	650	700	760	870	925	1,016
	Width in mm	210	280	340	360	380	480	480	500
Dimensions of drop door (discharge opening)	Lenght in mm	390	535	650	700	760	870	925	1,016
	Width in mm	210	280	340	360	380	440	480	520
Space requirements for mixer and gearbox, excluding motor	Lenght in mm (approx)	3,280	3,910	4,600	5,000	5,200	5,950	6,100	6,600
	Width in mm (approx)	1,830	2,435	2,320	2,845	3,100	3,400	4,000	4,650
	Hight in mm (approx)	3,300	3,750	4,000	4,200	5,275	5,600	6,100	6,500
Weight of internal mixer (excluding gearbox and motor)	kg (approx)	5,000	8,500	11,000	13,500	17,000	26,500	33,000	41,000

Noise data – the effective A-weighted emission sound at the operating platform depends on the configuration of the mixing line.

* Chamber volume is the effective free volume of the mixing chamber with closed ram.

** In addition to the rotor speeds stated, higher or lower speeds can also be specified. The corresponding motor powers will in most cases be lower than the figures quoted, however for some compounds, depending on their composition, the ram pressure and the mixing method used, higher motor powers may be required.



INTERMIX® E series – Technical data for the tyre industry

	Unit	IM250E	IM320E	IM400E	IM550E
Chamber volume*	l (approx)	261	332	389	565
Useful volume at fill factor 0.7	l (approx)	183	232	272	396
Batch weight at specific gravity 1.2 kg/l	kg (approx)	220	279	327	475
Standard rotor speed**	rpm	5-50	5-50	5-50	5-50
Related motor power	kW	110-1,100	140-1,400	170-1,700	255-2,550
Ram pressure on compound (Pneumatic or Hydraulic Ram)	N/cm ² (approx)	50	50	50	50
Useful volume of the feeding hopper Up to the feed door shaft (including mixing chamber throat)	l (approx)	550	730	814	1,184
Useful volume of the feeding hopper Up to the feed opening (including mixing chamber throat)	l (approx)	710	915	903	1,184
Dimensions of feed hopper	Lenght in mm	925	1,016	1,016	1,200
	Width in mm	480	500	500	610
Dimensions of drop door (discharge opening)	Lenght in mm	925	1,016	1,016	1,200
	Width in mm	480	520	540	610
Space requirements for mixer and gearbox, excluding motor	Lenght in mm (approx)	6,100	6,600	6,600	6,200
	Width in mm (approx)	4,000	4,650	4,650	5,200
	Hight in mm (approx)	6,100	6,500	6,800	7,000
Weight of internal mixer (excluding gearbox and motor)	kg (approx)	33,000	41,000	41,000	56,000

Noise data – the effective A-weighted emission sound at the operating platform depends on the configuration of the mixing line.

* Chamber volume is the effective free volume of the mixing chamber with closed ram.

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