

INTERMIX[®] E SERIES

INTERMESHING MIXER – *Technical data*



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	Unit	IM20E	IM45E	IM90E	IM110E	IM135E	IM190E	IM250E	IM320E	IM550E
Chamber volume*	l, approx.	20	48	90	112	140	203	255	332	565
Useful volume at fill factor 0.7	l, approx.	14	34	63	78	98	142	179	232	396
Batch weight at specific gravity 1.2 kg/l	kg, approx.	17	40	76	94	118	171	218	279	475
Standard rotor speeds**	rpm	5–50	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	255–2,550
Ram pressure on compound	N/cm ² , approx.	50	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	1,184
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	1,184
Dimensions of feed hopper	Length in mm	390	535	650	700	760	870	925	1,016	1,200
	Width in mm	210	280	340	360	380	480	480	500	610
Dimensions of drop door (discharge opening)	Length in mm	390	535	650	700	760	870	925	1,016	1,200
	Width in mm	210	280	340	360	380	440	480	520	610
Space requirements for mixer and gearbox (excluding motor)	Length in mm, approx.	3,280	3,910	4,600	5,000	5,200	5,950	6,100	6,600	6,200
	Width in mm, approx.	1,830	2,435	2,320	2,845	3,100	3,400	4,000	4,650	5,200
	Height in mm, approx.	3,300	3,750	4,000	4,200	5,275	5,600	6,100	6,500	7,000
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	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.

** 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.