TANDEM mixer

TANDEM mixer – Technical data

	Unit	IM320E	IM550E	IM550ET	IM1000ET
Chamber volumen*	l, approx.	332	565	620	980
Useful volume at fill factor 0.7	l, approx.	232	396	-	-
Batch weight at specific gravity 1.2 kg/l	kg, approx.	279	475	-	-
Standard rotor speeds**	rpm	5-50	5-50	5-50	5-50
Related motor power	kW	140-1,400	255-2,550	80-800	150-1,500
Ram pressure on compound (pneumatic or hydraulic ram)***	N/cm², approx.	50	50	-	-
Useful volume of the feeding hopper: up to the feed door shaft (including mixing chamber throat)	l, approx	730	1,184	-	-
Useful volume of the feeding hopper: up to the feed door shaft (including mixing chamber throat)	l, approx.	915	1,184	-	-
Dimensions of feed hopper	Lenght in mm	1,016	1,200	1,200	1,350
	Width in mm	500	610	610	710
Dimensons of drop door (discharche opening)	Lenght in mm	1,016	1,200	1,200	1,350
	Width in mm	520	610	610	710
Space requirements for mixer and gearbox (excluding motor)	Lenght in mm	6,600	6,200	6,200	7,700
	Width in mm	4,650	5,200	5,200	5,200
	Hight in mm, approx.	6,500	7,000	3,000	3,500
Weight of internal mixer (excluding gearbox and motor)	kg, approx.	41,000	56,000	42,000	61,000

All data are nominal and may vary to suit a specific application

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 NST rotors, Keel Bottom™ ram with ram lay-back position (25 mm) as standard for BM series and with ZZ2 rotors, vee bottom ram with ram lay-back position (25 mm) as standard for GK series.

** 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.

*** The pneumatic ram pressure quoted relates to an available air supply pressure of 8 bar.