UN1300DP/UN1500DP Specifications

FEATURES

- Japanese Yuken dual displacement piston pump with servo drive saves between 20% and 60% energy compared to a variable displacement pump
- User friendly and renowned Austrian manufactured KEBA controller
- > European based design
- > Ceramic heater bands
- > T-slot platens
- Warranty supported by UK based engineers
- Open ejector cylinder design which is maintenance friendly
- Diagonally located high-speed cylinders for faster mould opening and closing

- > High-rigidity platen
- Non-contact magnetostrictive sensors used for measuring position
- Low-speed high-torque hydraulic motor for screw drive
- Sliding shoes designed specifically to support large moulds with two thirds of the mould weight taken by the moving platen
- Short stroke high-pressure cylinders offer fast pressure buildup and mould protection
- Non-contact design between tie bars and movable platen for lower maintenance
- Large areas of safety foot plates aides access

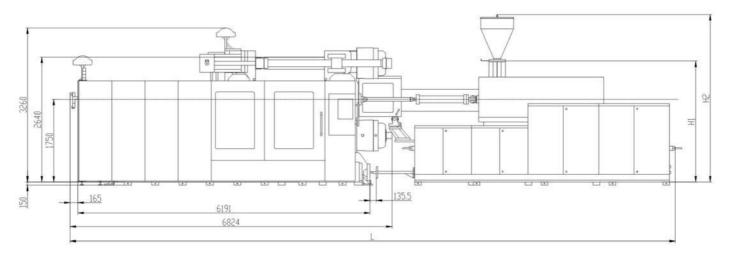


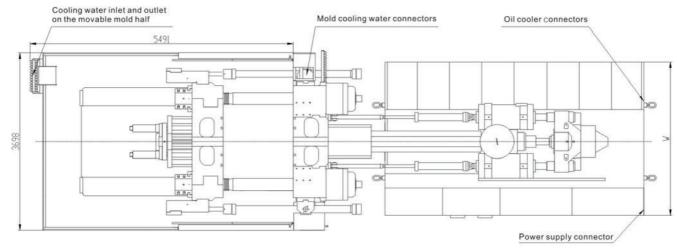
- > Swivelling injection unit shortens the time spent on plasticising unit maintenance
- Pump and motor unit can be specified to suit the application if required and can lead to further gains in efficiency
- Tie bar pulling, magnetic platens and quick mould change systems available as options
- Optional accumulator assisted injection
- Specific screws for processing different materials can be specified to suit the application

Theoretical shot volume cm² 4320 5039 5812 6341 7363 8588 10020 11559 13208 12385 14152 16037 61601 weight g 3974 4636 5347 5833 6774 7901 9218 10634 12152 11394 13020 14756 13020 14756 13020 14756 13020 14756 13020 14756 13020 14756 13020 14750 14751 13020 14756 13020 14756 13020 14756 13020 14756 13020 14756 13020 14756 13020 14756 13020 14756 13020 14756 13020	INJECTION UNIT		9000			12050			18500			23750			
Theoretical shot volume cm² 4320 5039 5812 6341 7363 8588 10020 11559 13208 12385 14152 16037 shot weight g 3974 4636 5347 5833 6774 7901 9218 10634 12152 13394 13020 14756 1916 projection pressure Mpa 209 179 155 190 164 140 184 160 140 192 168 148 1362			А	В	С	А	В	С	А	В	С	А	В	С	
Shot weight g 3974 4636 5347 5833 6774 7901 9218 10634 12152 11394 13020 14756 njection pressure Mpa 209 179 155 190 164 140 184 160 140 192 168 148 5crew LD ratio L/D 216 200 200 231 200 200 232 20 200 232 220 200 132 148 148 149 149 149 149 149 149 149 149 149 149	Screw diameter	mm	100	108	116	116	125	135	135	145	155	145	155	165	
Mga 209 179 155 190 164 140 184 160 140 192 168 148	Theoretical shot volume	cm ³	4320	5039	5812	6341	7363	8588	10020	11559	13208	12385	14152	16037	
Screw LD ratio	Shot weight	g	3974	4636	5347	5833	6774	7901	9218	10634	12152	11394	13020	14756	
Process Proc	Injection pressure	Мра	209	179	155	190	164	140	184	160	140	192	168	148	
Max. Injection speed	Screw L:D ratio	L/D	21.6	20.0	20.0	22.1	20.0	20.0	23.6	22.0	20.0	23.5	22.0	20.1	
Screw stroke	Injection rate	cm ³ /s	766	894	1031	913	1060	1237	1251	1444	1650	1505	1715	1950	
Max. screw speed r/min 128	Max. injection speed	mm/s	97.6			86.4			87.4			91.1			
Screw torque	Screw stroke	mm	550			600			700			750			
Plasticising rate (PS) g/s 150 165 215 197 261 327 208 295 343 198 257 303 1-elating capacity kW 46.52 46.52 51.32 66.37 66.37 70.63 98.52 112.39 3-elating capacity kW 46.52 46.52 51.32 66.37 66.37 70.63 98.52 112.39 3-elating capacity kW 46.52 46.52 51.32 66.37 66.37 70.63 98.52 112.39 3-elating capacity kW 46.52 46.52 51.32 66.37 66.37 70.63 98.52 112.39 3-elating capacity kW 263.8 263.8 296.7 296.7 296.7 296.7 3-elating capacity kW 263.8 263.8 296.7 296.7 3-elating capacity kW 263.8 3-elating capacity kW 263.8 3-elating capacity kW 300/15000 3-elating capacity kW 3	Max. screw speed	r/min	128			113			118			114			
Heating capacity	Screw torque	Nm	11982			14769			18949			24522			
Barrel heating zone number PCS 7	Plasticising rate (PS)	g/s	150	165	215	197	261	327	208	295	343	198	257	303	
Nozzle contact force KN 263.8 263.8 296.7	Heating capacity	kW	46.52	46.52	51.32	66.37	66.37	70.63		98.52			112.39		
Carriage stroke	Barrel heating zone number	PCS		7			8			8			10		
Clamping force KN	Nozzle contact force	kN		263.8			263.8			296.7			296.7		
Clamping force kN	Carriage stroke	mm		760			760			830			830		
Depending force	CLAMPING UNIT														
Platen size	Clamping force	kN	13000/15000												
Special Content of the Content of	Opening force	kN	1230												
Mould thickness mm 690-1460 Max. opening stroke mm 2410 Max. daylight mm 3100 Ejector force kN 300 Ejector stroke mm 380 Ejector number PCS 25 ELECTRICAL & HYDRAULIC UNITS System pressure Mpa 17.5, 25 17.5, 2	Platen size	mm	2340x2040												
Max. opening stroke mm 2410 Max. daylight mm 3100 Ejector force kN 3300 Ejector stroke mm 380 Ejector number PCS 25 ELECTRICAL & HYDRAULIC UNITS 550 17.5, 25 17.	Distance between tie-bars	mm	1540x1280												
Max. daylight mm 3100 Ejector force kN 380 Ejector stroke mm 380 Ejector number PCS 25 ELECTRICAL & HYDRAULIC UNITS VARIANTE System pressure Mpa 17.5, 25	Mould thickness	mm	690-1460												
Signature Sign	Max. opening stroke	mm	2410												
Siglector stroke	Max. daylight	mm	3100												
PCS 25	Ejector force	kN	300												
ELECTRICAL & HYDRAULIC UNITS System pressure Mpa 17.5, 25 17.5, 25 17.5, 25 17.5, 25 Motor kW 55.6 + 39.4 + 31 55.6x2 + 39.4 60x3 60x3 + 55.6 Pump flow L/min 550 600 800 1000 Total power kW 172.5 172.5 177.3 217 217 221.2 278.52 348 GENERAL Dil tank capacity L 1600 2000 2500 3200 Dry cycle s/mm 7.2/1078 6.8/1078 6.7/1078 6.4/1078 Max. Mould weight T 30 30 30 30 Machine weight (clamping injection units, without oil) T 57 + 12 57 + 14 57 + 22 57 + 23	Ejector stroke	mm	380												
System pressure Mpa 17.5, 25 600 800 1000 1000 1000 1000 1000 1000 1000 2012 278.52 348 348 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200 3200	Ejector number	PCS	25												
Wotor kW 55.6 + 39.4 + 31 55.6x2 + 39.4 60x3 60x3 + 55.6 Pump flow L/min 550 600 800 1000 Fotal power kW 172.5 172.5 177.3 217 212.2 278.52 348 GENERAL Dil tank capacity L 1600 2000 2500 3200 Ory cycle s/mm 7.2/1078 6.8/1078 6.7/1078 6.4/1078 Max. Mould weight T 30 30 30 30 Machine weight (clamping injection units, without oil) T 57 + 12 57 + 14 57 + 22 57 + 23	ELECTRICAL & HYDRAULIC	UNITS													
Pump flow L/min 550 600 800 1000 Fotal power kW 172.5 172.5 177.3 217 217 221.2 278.52 348 SENERAL Dil tank capacity L 1600 2000 2500 3200 Ory cycle s/mm 7.2/1078 6.8/1078 6.7/1078 6.4/1078 Max. Mould weight T 30 30 30 30 30 Machine weight (clamping injection units, without oil) T 57 +12 57 + 14 57 + 22 57 + 23	System pressure	Мра	17.5, 25			17.5, 25			17.5, 25			17.5, 25			
Fotal power kW 172.5 172.5 177.3 217 217 221.2 278.52 348 SENERAL	Motor	kW	55.6 + 39.4 + 31			55.6x2 + 39.4			60x3			60x3 + 55.6			
GENERAL Dil tank capacity L 1600 2000 2500 3200 Ory cycle s/mm 7.2/1078 6.8/1078 6.7/1078 6.4/1078 Max. Mould weight T 30 30 30 30 Machine weight (clamping injection units, without oil) T 57 + 12 57 + 14 57 + 22 57 + 23	Pump flow	L/min	550			600			800			1000			
Dil tank capacity L 1600 2000 2500 3200 Dry cycle s/mm 7.2/1078 6.8/1078 6.7/1078 6.4/1078 Max. Mould weight T 30 30 30 30 Machine weight (clamping injection units, without oil) T 57 + 12 57 + 14 57 + 22 57 + 23	Total power	kW	172.5	172.5	177.3	217	217	221.2		278.52			348		
Ory cycle s/mm 7.2/1078 6.8/1078 6.7/1078 6.4/1078 Max. Mould weight T 30 30 30 30 Machine weight (clamping injection units, without oil) T 57 + 12 57 + 14 57 + 22 57 + 23	GENERAL														
Max. Mould weight T 30 30 30 30 Machine weight (clamping injection units, without oil) T 57 + 12 57 + 14 57 + 22 57 + 23	Oil tank capacity	L	1600			2000			2500			3200			
Machine weight (clamping injection units, without oil) T 57 +12 57 +12 57 +22 57 + 23	Dry cycle	s/mm	7.2/1078			6.8/1078			6.7/1078			6.4/1078			
injection units, without oil)	Max. Mould weight	T	30			30			30			30			
Machine dimensions (LxWxH) m 12.0x3.7x3.1 12.0x3.7x3.3 13.0x3.8x3.5 13.4x3.7x3.6	Machine weight (clamping + injection units, without oil)	Т		57 +12		57 + 14			57 + 22			57 + 23			
	Machine dimensions (LxWxH)	m	12.0x3.7x3.1			12.0x3.7x3.3			1	13.0x3.8x3.5			13.4x3.7x3.6		



MACHINE DIMENSIONS





PLATEN DRAWINGS

