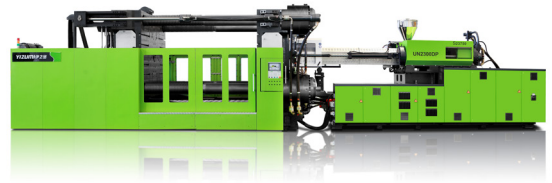


UN1000DP / UN1100DP Specifications

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 build-up 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



INJECTION UNIT		6150			9000			12050			18500		
		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	92	100	108	100	108	116	116	125	135	135	145	155
Theoretical shot volume	cm ³	2892	3416	3985	4320	5040	5812	6341	7363	8588	10020	11559	13208
Shot weight	g	2660	3143	3666	3974	4636	5347	5833	6774	7901	9218	10634	12152
Injection pressure	MPa	213	180	155	209	179	155	190	164	140	184	160	140
Screw L:D ratio	L/D	21.7	20	20	21.6	20	20	22.1	20	20	23.6	22	20
Injection rate	cm ³ /s	578	683	797	766	894	1031	913	1060	1236	1251	1444	1650
Max. injection speed	mm/s		86.9			97.6			86.4			87.4	
Screw stroke	mm		435			550			600			700	
Max. screw speed	r/min		139			128			113			118	
Screw torque	Nm		8639			11982			14769			18949	
Heating capacity	kW	47.56	47.56	51.96	46.52	46.52	51.32	66.39	66.39	70.65		98.9	
Barrel heating zone number	PCS		7			7			8			8	
Nozzle contact force	kN		178.6			178.6			178.6			296.7	

CLAMPING UNIT

Clamping force	kN	10000 / 11000											
Opening force	kN	875											
Platen size	mm	1900 x 1850											
Distance between tie-bars	mm	1310 x 1200											
Mould thickness	mm	500 - 1200											
Max. opening stroke	mm	1850											
Max. daylight	mm	2350											
Ejector force	kN	274											
Ejector stroke	mm	360											
Ejector number	PCS	25											

ELECTRICAL & HYDRAULIC UNITS

System pressure	MPa	17.5 / 25			17.5 / 25			17.5 / 25			17.5 / 25		
Pump motor	kW	31 x 2 + 39.4			55.6 + 31 x 39.4			55.6 x 2 + 39.4			60 x 3		
Total power	kW	148.82	148.82	153.22	172.5	172.5	177.3	217	217	221.2		278.52	

GENERAL

Oil tank capacity	L	1200			1500			1500			2400		
Dry cycle	s/mm	6 / 917			5.8 / 917			5.6 / 917			5.5 / 917		
Max. mould weight	T	20			20			20			20		
Machine weight	T	40 + 11			40 + 12			40 + 14			40 + 22		
Machine dimensions (LxWxH)	m	10.9 x 3.4 x 3.0			10.9 x 3.4 x 3.0			10.9 x 3.4 x 3.1			11.9 x 3.6 x 3.4		

