

UN2000DP/UN2300DP 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



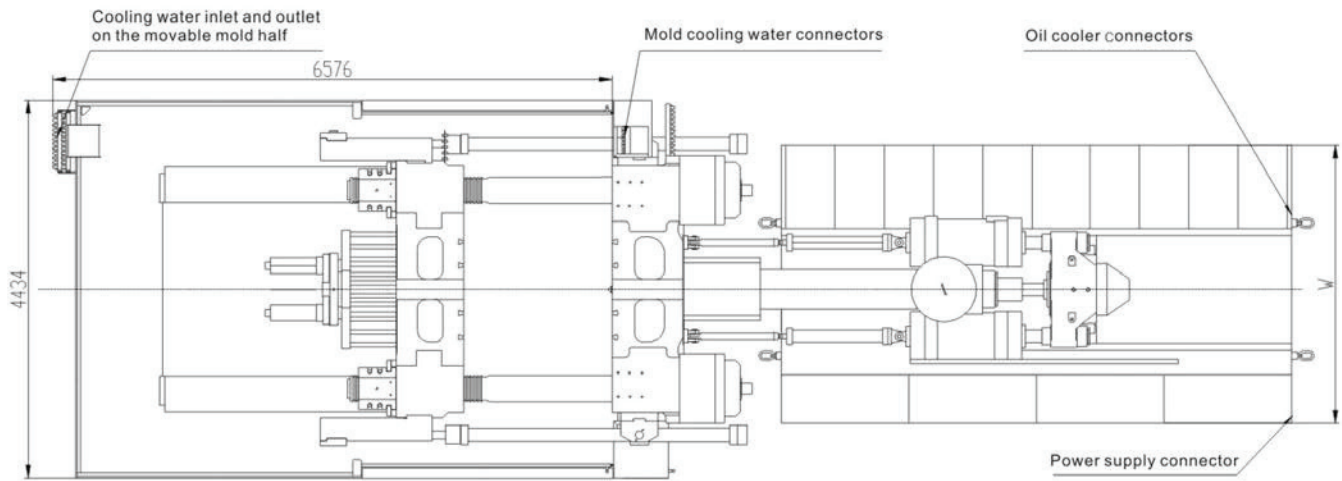
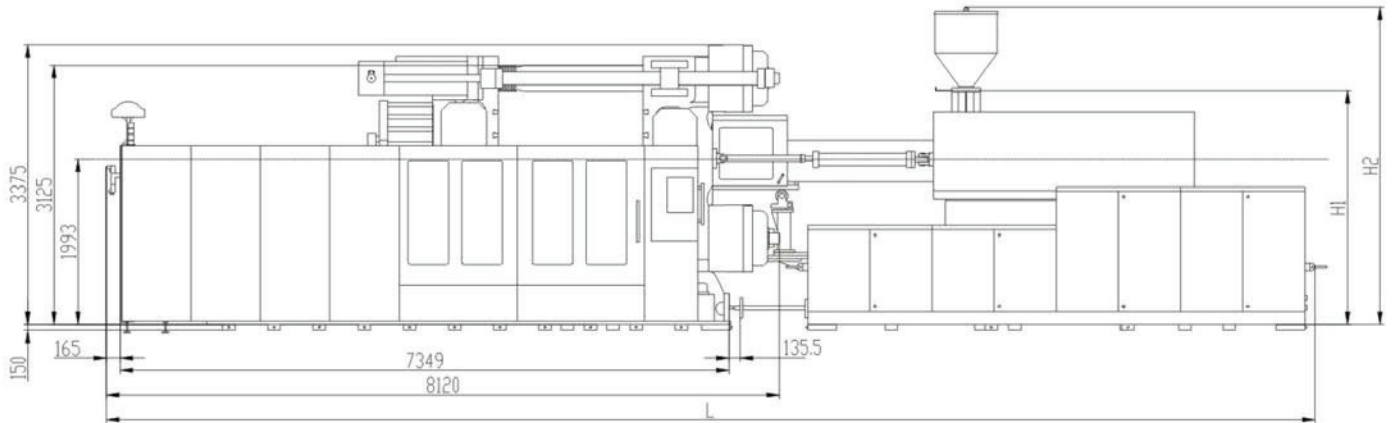
INJECTION UNIT		12050			18500			23750			31750			44500		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	116	125	135	135	145	155	145	155	165	155	165	180	180	190	200
Theoretical shot volume	cm ³	6341	7363	8588	10020	11559	13208	12385	14152	16037	15661	17747	21121	23666	26368	29217
Shot weight	g	5833	6774	7901	9218	10634	12152	11394	13020	14756	14407	16327	19430	21536	23995	26588
Injection pressure	Mpa	190	164	140	184	160	140	192	168	148	203	179	150	189	169	153
Screw L:D ratio	L/D	22.1	20.0	20.0	23.6	22.0	20.0	23.5	22.0	20.1	23.4	22.1	20.0	23.4	22.1	20.0
Injection rate	cm ³ /s	913	1060	1237	1251	1444	1650	1505	1715	1950	1680	1903	2265	2175	2425	2685
Max. injection speed	mm/s	86.4			87.4			91.1			89.0			85.5		
Screw stroke	mm	600			700			750			830			930		
Max. screw speed	r/min	113			118			114			122			75		
Screw torque	Nm	14769			18949			24522			28008			33439		
Plasticising rate (PS)	g/s	197	261	327	208	295	343	198	257	303	250	291	336	324	379	416
Heating capacity	kW	66.37	66.37	70.63	98.52			112.39			126.1			170	183	189
Barrel heating zone number	PCS	8			8			10			10			8		
Nozzle contact force	kN	263.8			296.7			296.7			296.7			296.7		
Carriage stroke	mm	900			950			950			950			950		

CLAMPING UNIT																
Clamping force	kN	20000/23000														
Opening force	kN	1880														
Platen size	mm	2900x2440														
Distance between tie-bars	mm	2020x1620														
Mould thickness	mm	750-1810														
Max. opening stroke	mm	3060														
Max. daylight	mm	3810														
Ejector force	kN	460														
Ejector stroke	mm	430														
Ejector number	PCS	25														

ELECTRICAL & HYDRAULIC UNITS																
System pressure	Mpa	17.5, 25			17.5, 25			17.5, 25			17.5, 25			17.5, 25		
Motor	kW	55.6x2 + 39.4			60x3			60x3 + 55.6			60x4 + 55.6			60x5 + 39.4		
Pump flow	L/min	600			800			1000			1230			1584		
Total power	kW	217	217	221.2	278.52			348			421.7			509.4	522.4	528.4

GENERAL																
Oil tank capacity	L	2000			2500			3200			4000			4000		
Dry cycle	s/mm	12.5/1414			11.5/141			10.5/1414			10/1414			10/1414		
Max. Mould weight	T	60			60			60			60			60		
Machine weight (clamping + injection units, without oil)	T	94+14			94+22			94+23			94+37			94+37		
Machine dimensions (LxWxH)	m	13.0x4.4x3.5			14.2x4.4x3.8			14.6x4.4x3.8			16.1x4.4x3.9			17.5x4.4x4.2		

MACHINE DIMENSIONS



PLATEN DRAWINGS

