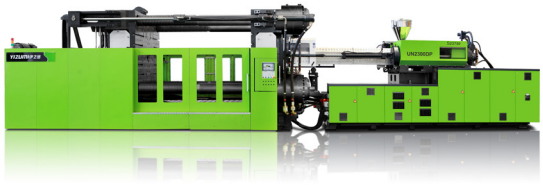
UN3200DP / UN3400DP Specifications

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		18500			23750			31750			44500			54500			75500			100000		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	135	145	155	145	155	165	155	165	180	180	190	200	190	200	215	215	230	245	230	245	260
Theoretical shot volume	cm^3	10020	11559	13208	12385	14152	16037	15661	17747	21121	23666	26368	29217	28353	31416	36305	41025	46949	53272	56089	63644	71675
Shot weight	g	9218	10634	12152	11394	13020	14756	14409	16328	19431	21772	24259	26879	26085	28903	33401	37743	43193	49010	51602	58552	65941
Injection pressure	MPa	184	160	140	192	168	148	215	190	159	195	178	158	200	180	156	185	161	142	183	161	143
Screw L:D ratio	L/D	23.6	22	20	23.5	22	20.1	20.8	22	22	23.4	22.1	20	23.4	22.1	20	22	22.1	20	23.4	22.1	20
Injection rate	cm^3/s	1563	1800	2060	1505	1715	1950	1670	1892	2252	2200	2451	2716	2512	2783	3216	2796	3199	3630	3199	3630	4089
Max. injection speed	mm/s	109.2			91.1			88.5			86.5			88.6			77.0			77.0		
Screw stroke	mm	700			750			830			930			1000			1130			1350		
Max. screw speed	r/min	118			114			98			75			65			62			45		
Screw torque	Nm	18949			24522			34833			41778			48741			69630			76593		
Heating capacity	kW	98.9			112.39			144.63			170	183	189	182	189	212	263	281	300	281	300	342
Barrel heating zone no.	PCS	8			10			10			8			8	9	9	9	10	11	9	10	11
Nozzle contact force	kN	296.7			296.7			296.7			296.7			296.7			296.7			296.7		
CLAMPING UNIT																						
Clamping force	kN	32000 / 34000																				
Opening force	kN	2550																				
Platen size	mm	3220 x 2810																				
Distance between tie-bars	mm	2240 x 1900																				
Mould thickness	mm	1100 - 2000																				
Max. opening stroke	mm	3100																				
Max. daylight	mm	4200																				
Ejector force	kN	460																				
Ejector stroke	mm	500																				
Ejector number	PCS	33																				
ELECTRICAL & HYDRAULIC UNITS																						
System pressure	MPa	17.5 / 25			17.5 / 25			17.5 / 25			17.5 / 25			17.5 / 25			17.5 / 25			17.5 / 25		
Pump motor	kW	60 x 3 + 55.6			60 x 3 + 55.6			60 x 4 + 55.6			110 x 2 + 66			85 x 3 + 66			110 x 4			110 x 4		
Total power	kW	334.5			348			440.2			456	469	475	503	510	533	703	721	740	721	740	782
GENERAL																						
Oil tank capacity	L	2400			2600			3400			4000			5300			5300			5300		
Dry cycle	s/mm	11.2 / 1568			11.2 / 1568			11 / 1568			10.8 / 1568			10.5 / 1568			10.2 / 1568			10 / 1568		
Max. mould weight	T	81			81			81			81			81			81			81		
Machine weight	T	143 +22			143 + 23			143 + 37			143 + 41			143 + 60			143 + 60			143 + 65		
Machine dimensions (LxWxH)	m	16.1 x 5.0 x 4.0			16.1 x 5.0 x 4.1			16.6 x 5.0 x 4.1			16.6 x 5.0 x 4.1			17.8 x 5.0 x 4.1			19.1 x 5.0 x 4.2			19.1 x 5.0 x 4.2		

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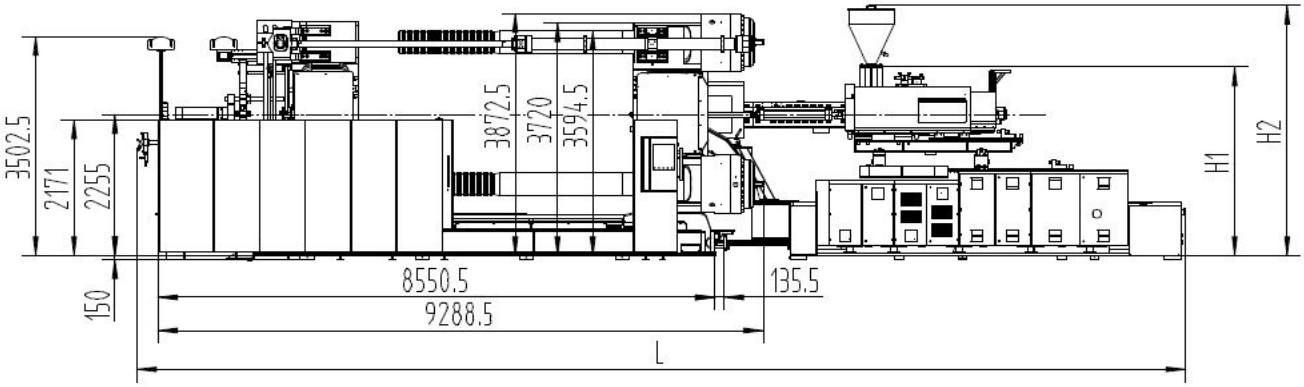
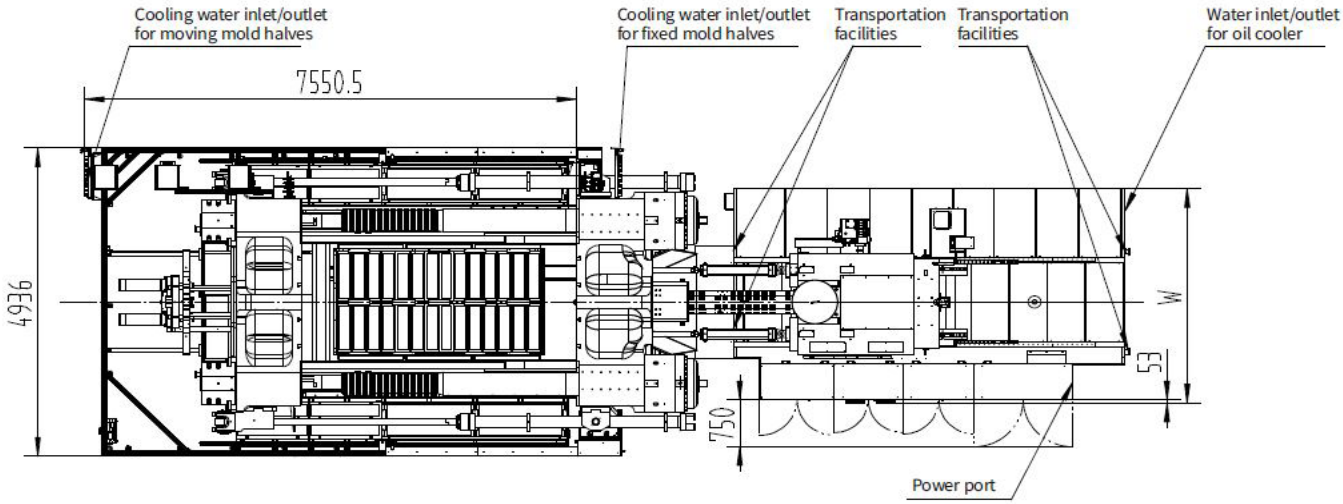
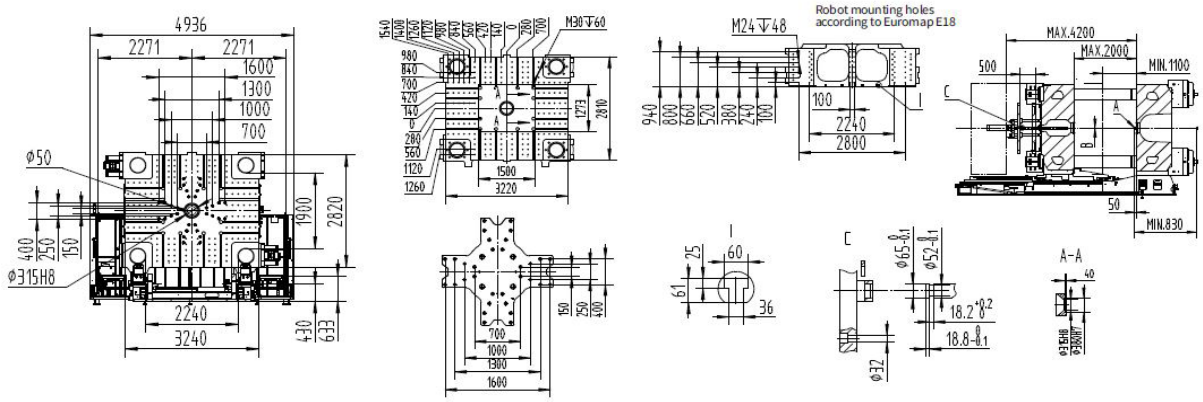
MACHINE DIMENSIONS





PLATEN DRAWINGS



Model	A	B	L	H1	H2	W	Sectional area of main power cord	Full-load current	Bearing capacity of foundation	Number of cooling water line port	Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm²	A	T/m²	n×L/min	L/min	bar	bar
UN3200DP/3400DP-IU18500	SR20	ø8	16094	3019	4006	3434	150	517.6	14.5	(10+10)×11	200	3~4	5~6
UN3200DP/3400DP-IU23750	SR25	ø8	16094	3039	4045	3434	150	627.3					
UN3200DP/3400DP-IU31750	SR25	ø8	16591	3075	4081	3702	185	780.9					
UN3200DP/3400DP-IU44500	SR25	ø8	16591	3090	4095	3702	185	991.1					
UN3200DP/3400DP-IU54500	SR25	ø8	17839	3140	4145	3702	240	1124.2					
UN3200DP/3400DP-IU75500	SR25	ø8	19109	3190	4195	4194	300	1387.6					
UN3200DP/3400DP-IU100000	SR25	ø8	19109	3190	4195	4194	400	1401.3					

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