

UN480A6-EU Specifications

STANDARD FEATURES

- › Latest generation energy efficient servo system
- › Energy recovery/regeneration technology
- › World famous Austrian made KEBA i2985 Microprocessor control
- › Bi-metallic plasticising unit
- › Double core pull
- › Euomap 67 robot interface
- › Remote access support
- › Electric screw drive
- › 'Intelligent' management of mould opening, clamp force and energy usage
- › Maintenance monitoring
- › Control of oil temperature from the Keba controller
- › Oil level monitoring
- › Injection hold changeover by time, distance or pressure
- › Control of barrel throat temperature via the Keba controller
- › Semi-auto start button on a flying
- › lead with magnetic base
- › European linear transducers, seals, valves & switchgear
- › Caterpillar cooling water supply to moving platen
- › Socket & dummy plug for dosing signal
- › Bypass oil filtration
- › Back pressure controlled by proportional valve
- › Water manifold with 6 circuits
- › 2 x air-blast circuits fitted with pneumatic valves fitted
- › 2 x UK style 13 amp sockets
- › Industry 4.0 ready
- › Ejector safety circuit
- › Oil preheating circuit
- › CE certification
- › Anti-vibration mounts
- › Spares package
- › Tool kit & mould clamps
- › 3 x auxiliary three phase sockets.

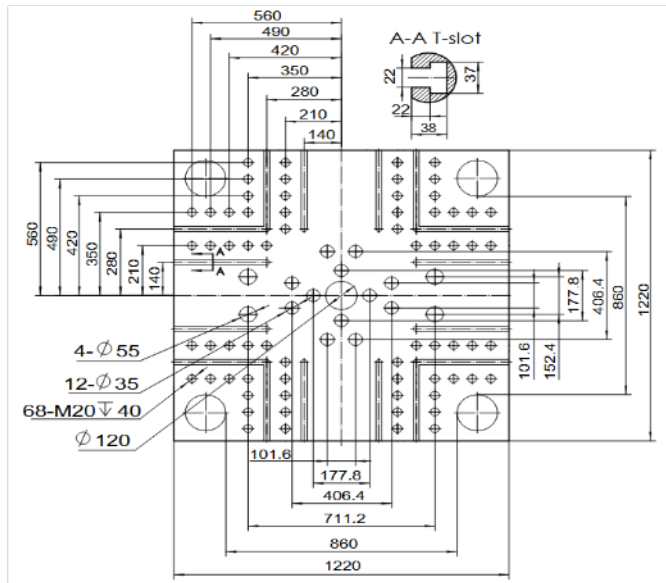


› OPTIONAL FEATURES

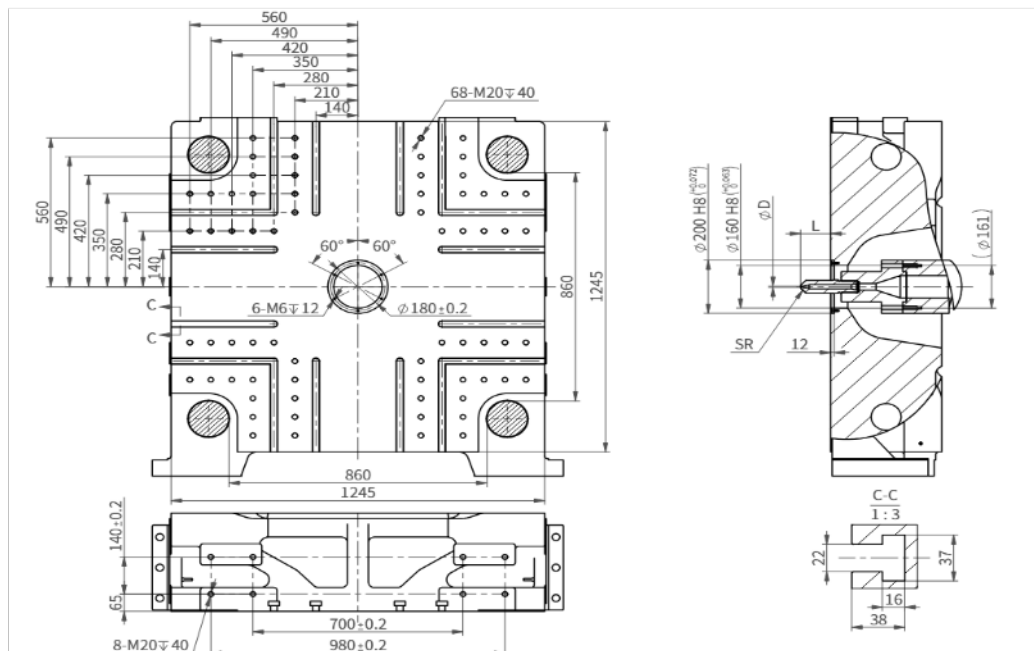
- › Increased clamping force
- › Increased / Decreased mould height
- › Hydraulic or pneumatic valve gate control
- › Integral hot runner control
- › Infrared heater bands
- › Hydraulic screw drive
- › Screw designs for PET, PA, PC, PMMA, TPU, UPVC.
- › Accumulator injection
- › Liquid silicone rubber conversion
- › Robots & Ancillaries

INJECTION UNIT		3520/4800			4715/4800				5610/4800			
		A	B	C	A	B	C	D	A	B	C	D
Screw diameter	mm	76	84	92	80	84	92	100	84	92	100	108
Shot volume	cm³	1678	2050	2460	2212	2438	2925	3456	2438	2925	3456	4031
Shot weight (PS)	g	1544	1886	2263	2035	2243	2691	3179	2243	2691	3179	3708
Injection pressure	MPa	190	156	130	213	193	161	136	230	192	162	139
Screw L:D ratio		22.1:1	20:1	20:1	23.2:1	22:1	21.7:1	20:1	21.9:1	22:1	21.6:1	20:1
Injection rate	g/s	330	412	503	378	462	554.1	654.6	443.6	532	628.7	733.3
Max. injection speed	mm/s	100			81				87			
Screw stroke	mm	370			440				440			
Screw speed (stepless)	r/min	0 - 190			0 - 190				0 - 160			
CLAMPING UNIT												
Clamping force (max)	kN	4800 (5200)										
Platen size	mm	1220 x 1220										
Distance between tie-bars	mm	860 x 860										
Mould thickness (min-max)	mm	380 - 880										
Opening stroke	mm	880										
Max. daylight	mm	1760										
Ejector force	kN	176										
Ejector stroke	mm	220										
Ejector number	PCS	17										
ELECTRICAL & HYDRAULIC UNITS												
Hydraulic system pressure	MPa	18.5										
Pump motor power	kW	67.4			67.4			76.4				
Heating power	kW	33.4 / 33.4 / 36.2			33.4 / 33.4 / 43 / 43			41.1 / 41.1 / 47 / 47				
Plasticising motor power	kW	62.8			62.8			76.4				
Number of temp control zones	kW	7			7			7				
GENERAL												
Dry cycle time	s	5.5										
Oil tank capacity	L	760										
Machine dimensions (LxWxH)	mm	9030 x 2410 x 2440			9030 x 2410 x 2440			9030 x 2410 x 2440				
Max. mould weight - moving	kg	3840										
Max. mould weight - fixed	kg	1920										
Machine weight	kg	21200			21500			23000				

MOVING PLATEN DRAWINGS



FIXED PLATEN DRAWINGS



MACHINE DIMENSIONS

