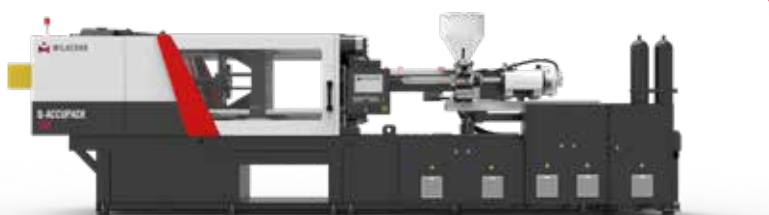




THE Q-ACCUPACK



110-550 TON



THE Q-ACCUPACK

CLAMP - FAST & PRECISE

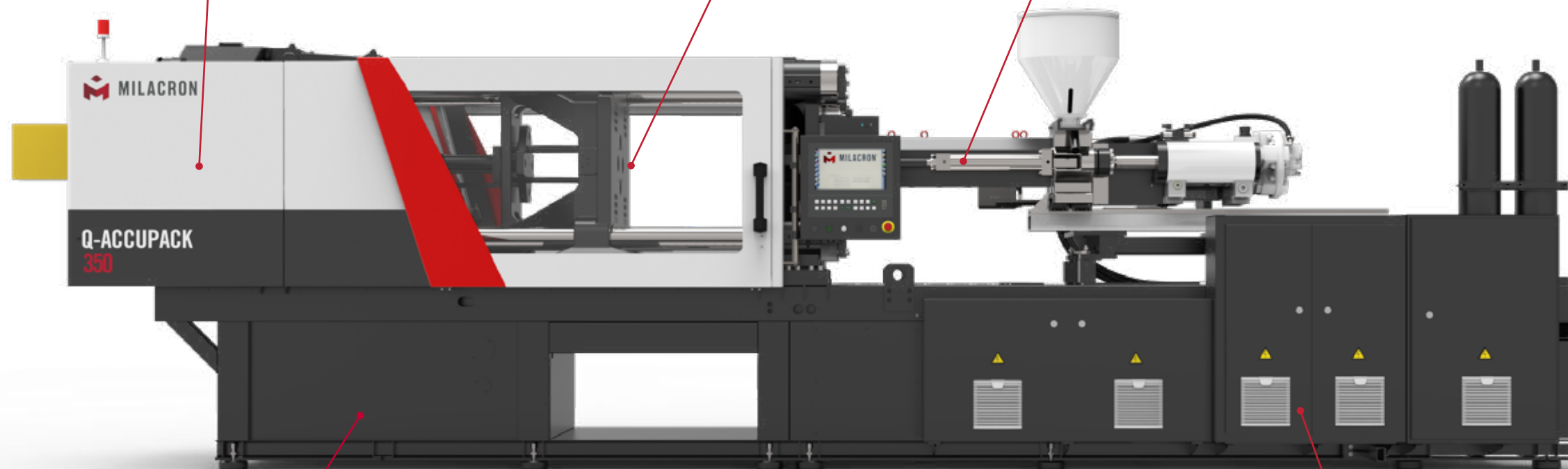
The all new clamp system on the Q-series has been mounted on the LM guideways which provide precise movement with minimal frictional losses. The clamp system has higher mold carrying capacity, enhanced parallelism and squareness.

ADVANCED MOLD PROTECTION

The Mold is one of the most critical parts of the Injection Molding Process. The all new Q-Series machines takes care of your Mold with Mold Safety as a standard feature. It's a closed loop control process which senses presence of left over article from the last process cycle or any foreign article in between the core & the cavity. It's a continuous monitoring system. The control records & analyses the data after every process cycle.

INJECTION

- 6 Stage Configurable Injection Velocity Profile
- Closed Loop Pressure Control through Servo
- 5 Fill Pressure Steps
- 10 Configurable Pack/Hold pressure steps
- Linear position transducer
- Sliding Hopper
- Insulated Ceramic Heaters
- Digital Setting of Extruder RPM & Digital Read Out of Actual RPM
- Proportional Extruder RPM control
- Heater Failure Detection & Monitoring on screen



MACHINE BASE - RUGGED

The Reduced Machine Base Height Provides Better Toggle Kinematics during High Speed Molding. The 3 Way Part Drop Provides Better Access to the Molded Parts.

SERVO MOTOR

- Upto 30-50 % Energy Savings

PROVIDING THE HIGHEST PERFORMANCE,
PRECISION, AND FLEXIBILITY.

NOTES

[illegible]

IU	450	630	970	1540	2290	3470
Q-ACCUPACK 110						
Q-ACCUPACK150						
Q-ACCUPACK 180						
Q-ACCUPACK 230						
Q-ACCUPACK 280						
Q-ACCUPACK 350						
Q-ACCUPACK 450						
Q-ACCUPACK 550						

MODEL	TONNAGE	PLATEN SIZE (H X V)	TIE BAR SPACING (H X V)	MAX DAYLIGHT	MIN/MAX MOLD
	tons	mm	mm	mm	mm
Q-ACCUPACK 110	110	690 x 645	480 x 435	900	150 / 520
Q-ACCUPACK 150	150	780 x 740	550 x 510	1060	200 / 600
Q-ACCUPACK 180	180	810 x 770	575 x 525	1100	200 / 600
Q-ACCUPACK 230	230	920 x 820	660 x 560	1260	200 / 710
Q-ACCUPACK 280	280	990 x 940	710 x 660	1400	250 / 750
Q-ACCUPACK 350	350	1120 x 1035	810 x 725	1520	300 / 800
Q-ACCUPACK 450	450	1245 x 1200	875 x 830	1670	350 / 820
Q-ACCUPACK 550	550	1300 x 1300	1000 x 900	1820	400 / 900

STANDARD FEATURES

CLAMP	
Moving Platen on LM Guides	●
Auto Lubrication	●
Grease Collection Trays below Toggle Area and Moving Platen	●
Auto Mold Height Adjustment	●
Mold Guard Safety Feature	●
Contactless Transducer for Clamp Position	●
Rear Door Handle	●
Clamp try again	●
Position Based Ramping for Accurate Position Switching, Precise Speed & Pressure Control	●
Proportional Speed Control with Operator Adjustable 5 Opening & 5 Closing Speeds	●
Jam Bar	○
T-Slot Platens	○
Part Drop Chute	○
Part Drop Detect	○
Extended Daylight	○
Electric Power Gate - Front	○

INJECTION	
Pre-Injection	●
Injection Pressure & Velocity Close Loop	●
Plain Barrier Screw	●
Auto Screw Protection	●
Layin Hopper Magnet	●
Cold Slug Removal by Extruder / Injection	○
Nozzle Contact Force by Pressure Switch for main IU	○
Bimetallic Barrel	○
Extra Heating Zone	○
Nozzle Shut-Off Valve w/o Parallel Operation (Not for Glass Filled Material)	○

EJECTOR	
Parallel Ejection - Ejector on Fly	●
Air Eject - 5 Stage	●
Proportional Speed control through Pump (operator adjustable at control)	●
Pulsating Ejector Strokes upto 9 Pulses	●
Pilot Operated Check Valve for Ejector	●
Knock-Out Bar for Multipoint Ejection	●
2 Stage Programmable Forward & Retract Speeds	●
Intermediate Retract Set Point	●
Digital Readout Ejector Position	●
Pause Time between Ejector Forward Profile	●
Eject Retract Verification by Limit Switch	○
Hydraulic Core Pull - Single & Double Sequence	○

TEMPERATURE CONTROL	
Feed Throat Temperature Control with Indication	●
PID Control Nozzle & Barrel	●
High / Low Temperature Alarms	●
Oil Temperature Control for Heat Exchanger	○

● - Standard Feature ○ - Optional Feature

CONTROLLER	
15.6" FHD Multi-Touch Capacitive Display	●
20 function keys with LEDs	●
Actual Injection Speed & Pressure Graph Display	●
30 Parameter monitoring for last 3000 cycles	●
500 Mold data storage	●
High / Low Limit Display for Each Adjustable Parameter	●
I/O diagnosis - Analog & Digital	●
Manual in PDF format for help	●
Overview Menu for Easy access of all axis parameters	●
Choice of Multiple Languages	●
Unit Selection (Metric or English)	●
Data Protection with four level of access	●
Graphical Representation of last 48 Hours Production	●
Daily Production Data of last 1 Year	●
Graphical Representation of Cycle Analysis	●
Energy Consumption analysis for each axis	●
Automatic Reporting of Process Data, Alarms, Change log (USB or Network location)	●
Change Log Menu:logs last 3000 Set Points Changes with Time/Date & User	●
3000 Alarms History with Date & Time Log	●
Process Mode:Functions with its Co-functions on a Single Key Press	●
Note Pad	●
Freely Programmable Smart Outputs & Inputs (total 3 inputs and outputs)	●
Freely Configurable Cores, Ejector & Air	●
4 User Configurable actual parameters for ease of monitoring for operator	●
Soft Keys for selection of Cores, Air & Mold Gates to operate in Set/Manual Mode	●
Favorite Page - Select 4 frequently used pages & operate from single page	●
Graphical display of Actual Zone Temperature of last 30 mins.	●
Favourite Page - Select 5 frequently used pages & operate from single page	●
Filtering of Alarm - Helps in quick analysis of specific alarm	●
Filtering & sort of Changelog - Helps in quick review / analysis of parameter changes	●
Configurable FlyOut area for viewing frequently used Monitoring Pages	●
No Page more than two click away	●
Auto shut down	●
Visual & Audible Alarm	●
Set point and actual values shown as absolute values	●
Pausibility check on values entered	●
Data saving in USB-Mold Data, Change log, Trend Data, Log book, Alarm History, Screen Shot	●
Shift wise Production Counter	●
Servo Motor / Drive diagnostic screen	●
Semi Auto Purge	●
Cold slug removal by extruder/ Injection	●
Intrusion Molding	●
Insert Molding	●
Freely Programmable Core pull Sequence	●
Energy meter on screen	●

● - Standard Feature ○ - Optional Feature

STANDARD FEATURES

ADDITIONAL FEATURES	
Levelling Pads	●
Y Strainer in Heat Exchanger Inlet	●
Butter Fly Valve at Pump Suction Line	●
UV/OV Monitoring Relay-Voltage Monitor Relay	●
Filter Element IFR-2-06B-20-10B for Oil Filling	●
Hour Meter on Electrical Panel	●
Visual ON/OFF Indication with Z4 LED	●
Power on Push Button	●
Gauge Port for all Major Functions	●
Servo Motor Operated Gear Pump	●
Hydraulic Solenoid Valve Connector with ON/OFF LED Indicator	●
Water Manifold	○
Electrical Unscrewing	○
Hydraulic Unscrewing	○
Electric UPS for Control	○
Tubelight in Clamp Area	○
Dome Lamp 3-Tier, 4-Tier	○
Good / Defective Part Signal	○
Gas Assist Injection Interface	○
Latch & Blender Unit Interface	○
Integrated Hot Runner Controller	○
Mold Gate - Hydraulic / Pneumatic	○
Stand Alone Hot Runner Controller	○
Water Battery with Temperature Indicator	○
Robot Interface (SPI & Euromap -12 & -67)	○
Water Saver Valve for Mold / Pulse Cooling	○
Extra Power Supply Outlets with Available Combination	○
Safety Interlock Between Hot Runner & Water Saver Valve through Flow Switch	○

● - Standard Feature ○ - Optional Feature

APPLICATIONS

- CAPS & CLOSURES
- MEDICAL
- PACKAGING
- ELECTRONICS



**BEST
SUITED
IN MOLD
LABELLING IML**

Increased Injection Speed
Easy Integration with Robot
High Productivity

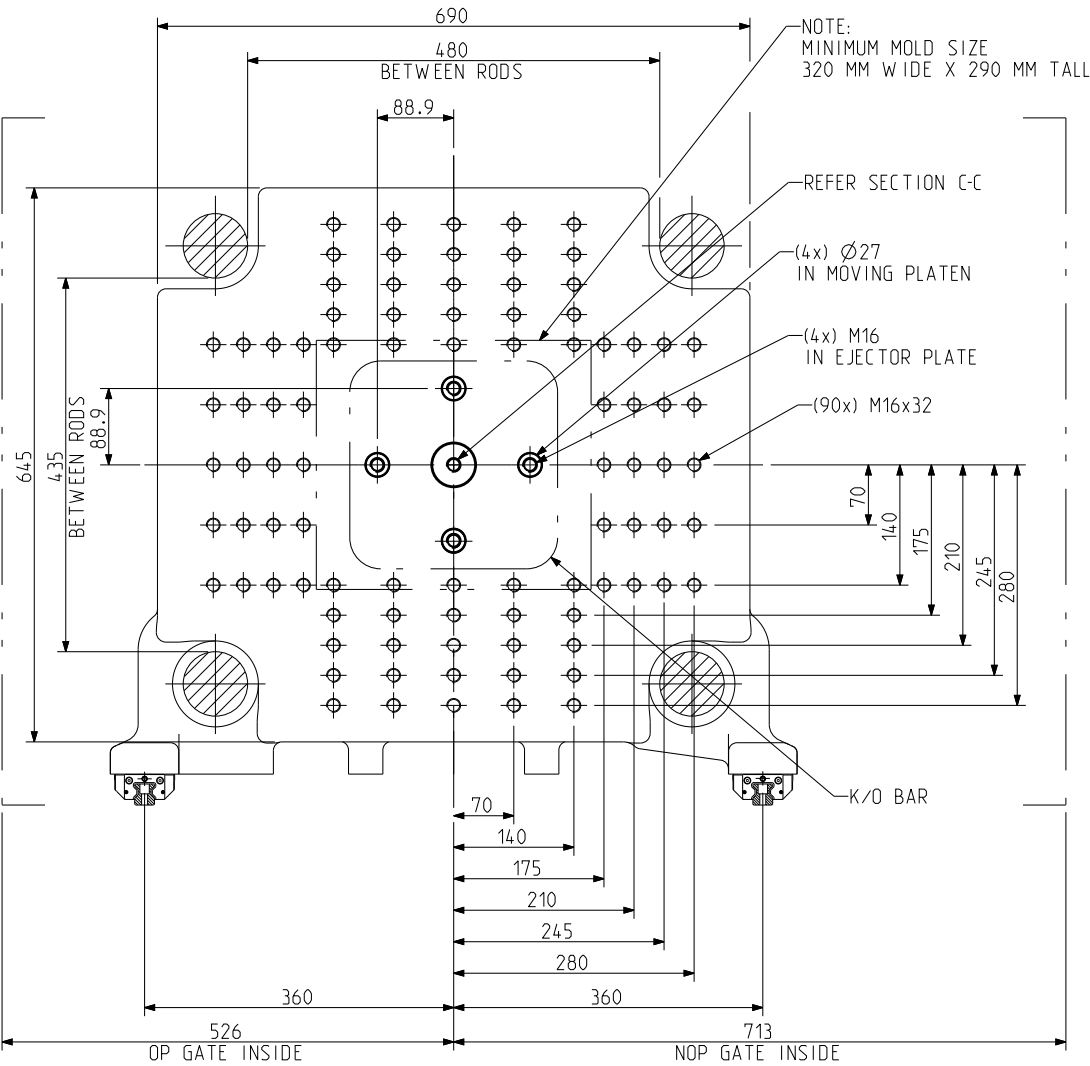


THE Q-ACCUPACK

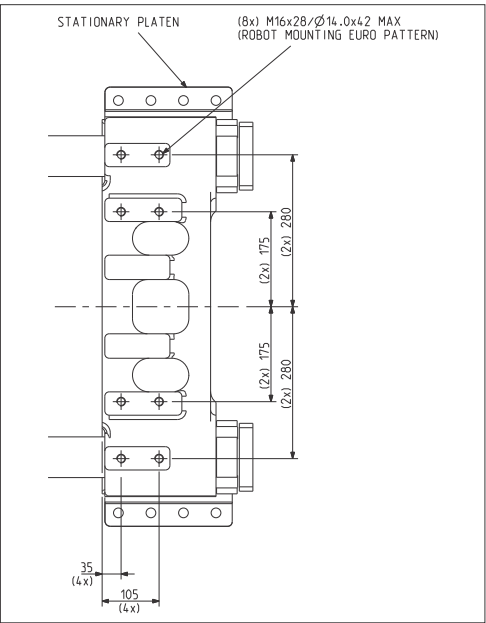
TONNAGE: 110

Injection Unit 450, 630

TECHNICAL SPECIFICATIONS

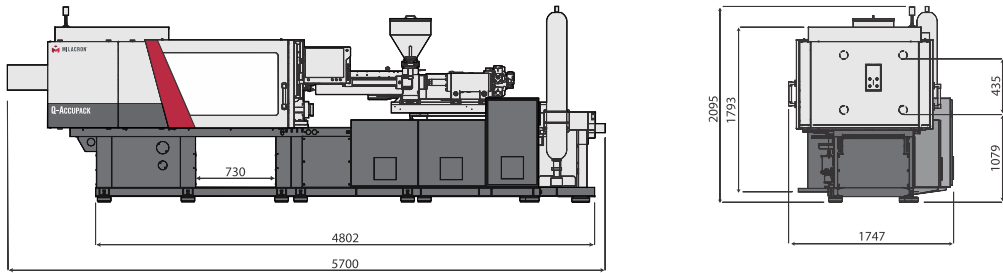


MOVING PLATEN



ALL DIMENSIONS ARE IN MM

- A M16X32 (90) PLACES ON BOTH PLATEN
- B MOVING PLATEN: Ø50(+0.025/-0.0) THRU BORE, K/O BAR CENTRE HOLE M16 THRU STATIONARY PLATEN: Ø100(+0.035/-0.0) WITH LOCATING RING, Ø125(+0.04/-0.0) x 10(+0.15/-0.0) DEEP, WITHOUT LOCATING RING
- C Ø27 THRU, (4) HOLES IN MOVING PLATEN, K/O BAR M16 THRU (4) HOLES



Q-ACCUPACK 110	UNIT	450			630		
	METRIC	A'	A	B	A'	A	B
INJECTION UNIT SPECIFICATIONS							
INJECTION CAPACITY MAX. (GPPS)	g	165	215	272	239	303	374
THEORETICAL DISPLACEMENT	cc	173	226	286	251	318	393
INJECTION PRESSURE MAX.	bar	2443	1984	1568	2492	1969	1595
INJECTION RATE *	cc/sec	320	418	530	416	527	651
INJECTION SCREW STROKE	mm	180	180	180	200	200	200
SCREW DIAMETER	mm	35	40	45	40	45	50
SCREW L/D RATIO		25.7	22.5	20	25	22.2	20
SCREW SPEED	rpm	279	279	279	222	222	222
SCREW TORQUE @ 172 BAR	NM	876	876	876	1080	1080	1080
PLASTICIZING RATE (BARRIER) *	g/sec	17	22	31	18	25	33
NO.OF PYROMETERS (BARREL+NOZZLE)		4+1			4+1		
TOTAL HEAT CAPACITY	KW	11.3			15.7		
CLAMP UNIT SPECIFICATIONS							
CLAMP FORCE	Ton	110			110		
OPENING FORCE	Ton	11			11		
CLAMP STROKE	mm	380			380		
MAXIMUM DAYIGHT	mm	900			900		
MINIMUM MOULD HEIGHT	mm	150			150		
MAXIMUM MOULD HEIGHT	mm	520			520		
PLATEN SIZE (H X V)	mm	690 X 645			690 X 645		
DISTANCE BETWEEN TIE ROD	mm	480 X 435			480 X 435		
TIE ROD DIAMETER	mm	75			75		
EJECTOR STROKE	mm	150			150		
EJECTOR FORCE	kN	40			40		
MOULD WEIGHT CAPACITY (STAT. / MOVING)	kg	1540 (770 / 770)			1540 (770 / 770)		
DRY CYCLE TIME (EUROMAP 6) ***	sec-mm	1.65 - 336			1.65 - 336		
GENERAL							
SERVO MOTOR	kW (HP)	20.2			20.2		
TOTAL OIL CAPACITY	L	280			280		
WATER REQUIREMENT (INLET TEMP. 29°C)	lpm	130			130		
CONNECTED LOAD	kW	31.5			35.9		
MACHINE DIMENSION (L X W X H)	m	6.0 x 1.8 x 2.1			6.0 x 1.8 x 2.1		
MACHINE WEIGHT	kg	6515			6890		

* WITH OPEN NOZZLE
***BREAKAWAY AND TONNAGE DECOMPRESSION TIMES ARE NOT INCLUDED IN DRY CYCLE TIME

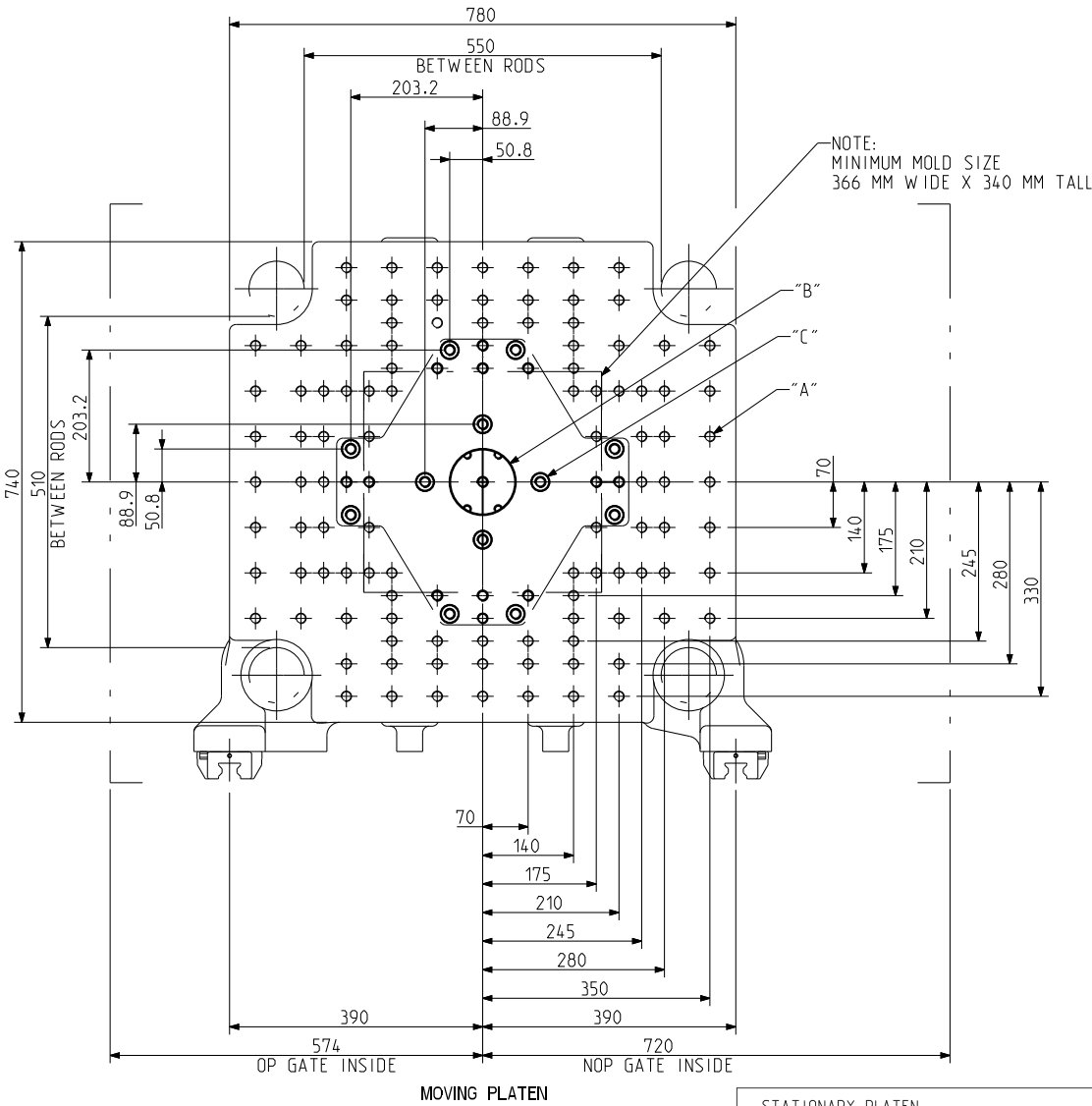
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THE Q-ACCUPACK

TONNAGE: 150

Injection Unit 450, 630, 970

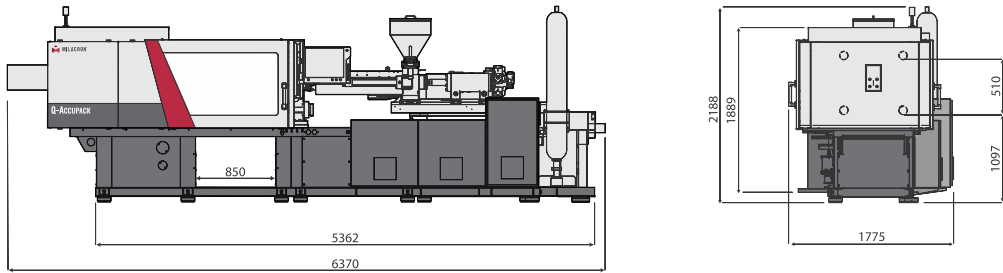
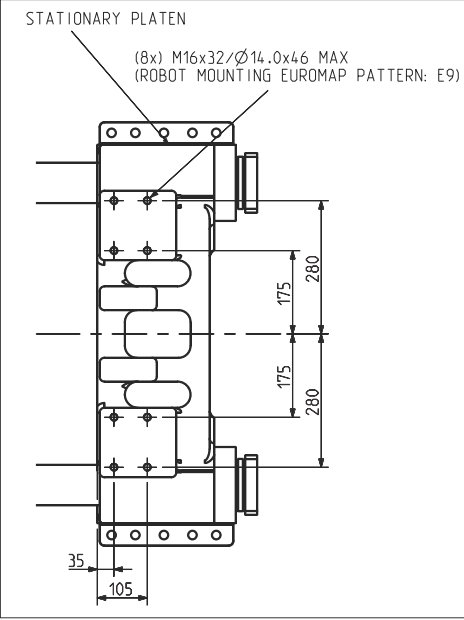
TECHNICAL SPECIFICATIONS



NOTE:
MINIMUM MOLD SIZE
366 MM WIDE X 340 MM TALL

ALL DIMENSIONS ARE IN MM

- A MOVING PLATEN: M16X32 DEEP (116) PLACES,
STATIONARY PLATEN: M16X32 DEEP (116) PLACES.
- B MOVING PLATEN: Ø100(+0.035/-0.0) THRU BORE,
K/O BAR CENTRE HOLE M16x40 DEEP.
STATIONARY PLATEN:
Ø125(+0.04/-0.0) WITH LOCATING RING,
Ø160(+0.04/-0.0) x 10(+0.15/-0.0) DEEP, WITHOUT LOCATING RING.
- C Ø27 THRU, (12) HOLES IN MOVING PLATEN,
K/O BAR M16x40 DEEP (12) HOLES



Q-ACCUPACK 150	UNIT	450			630			970		
	METRIC	A'	A	B	A'	A	B	A'	A	B
INJECTION UNIT SPECIFICATIONS										
INJECTION CAPACITY MAX. (GPPS)	g	165	215	272	239	303	374	363	448	646
THEORETICAL DISPLACEMENT	cc	173	226	286	251	318	393	382	471	679
INJECTION PRESSURE MAX.	bar	2443	1984	1568	2492	1969	1595	2249	2057	1428
INJECTION RATE *	cc/sec	320	418	530	416	527	651	529	653	940
INJECTION SCREW STROKE	mm	180	180	180	200	200	200	240	240	240
SCREW DIAMETER	mm	35	40	45	40	45	50	45	50	60
SCREW L/D RATIO		25.7	22.5	20	25	22.2	20	26.7	24	20
SCREW SPEED	rpm	279	279	279	222	222	222	359	359	318
SCREW TORQUE @ 172 BAR	NM	876	876	876	1080	1080	1080	1066	1066	1066
PLASTICIZING RATE (BARRIER) *	g/sec	17	22	31	18	25	33	40	53	73
NO.OF PYROMETERS (BARREL+NOZZLE)		4+1			4+1			4+1		
TOTAL HEAT CAPACITY	KW	11.3			15.7			16.9		
CLAMP UNIT SPECIFICATIONS										
CLAMP FORCE	Ton	150			150			150		
OPENING FORCE	Ton	15			15			15		
CLAMP STROKE	mm	460			460			460		
MAXIMUM DAYIGHT	mm	1060			1060			1060		
MINIMUM MOULD HEIGHT	mm	200			200			200		
MAXIMUM MOULD HEIGHT	mm	600			600			600		
PLATEN SIZE (H X V)	mm	780 X 740			780 X 740			780 X 740		
DISTANCE BETWEEN TIE ROD	mm	550 X 510			550 X 510			550 X 510		
TIE ROD DIAMETER	mm	85			85			85		
EJECTOR STROKE	mm	175			175			175		
EJECTOR FORCE	kN	50			50			50		
MOULD WEIGHT CAPACITY (STAT. / MOVING)	kg	2300 (1100 / 1200)			2300 (1100 / 1200)			2300 (1100 / 1200)		
DRY CYCLE TIME (EUROMAP 6) ***	sec-mm	1.70 - 385			1.70 - 385			1.70 - 385		
GENERAL										
SERVO MOTOR	kW (HP)	20.2			20.2			25.1		
TOTAL OIL CAPACITY	L	365			365			365		
WATER REQUIREMENT (INLET TEMP. 29°C)	lpm	130			130			130		
CONNECTED LOAD	kW	31.5			35.9			42		
MACHINE DIMENSION (L X W X H)	m	6.31 x 1.8 x 2.2			6.31 x 1.8 x 2.2			6.31 x 1.8 x 2.2		
MACHINE WEIGHT	kg	7300			7600			7850		

* WITH OPEN NOZZLE
***BREAKAWAY AND TONNAGE DECOMPRESSION TIMES ARE NOT INCLUDED IN DRY CYCLE TIME

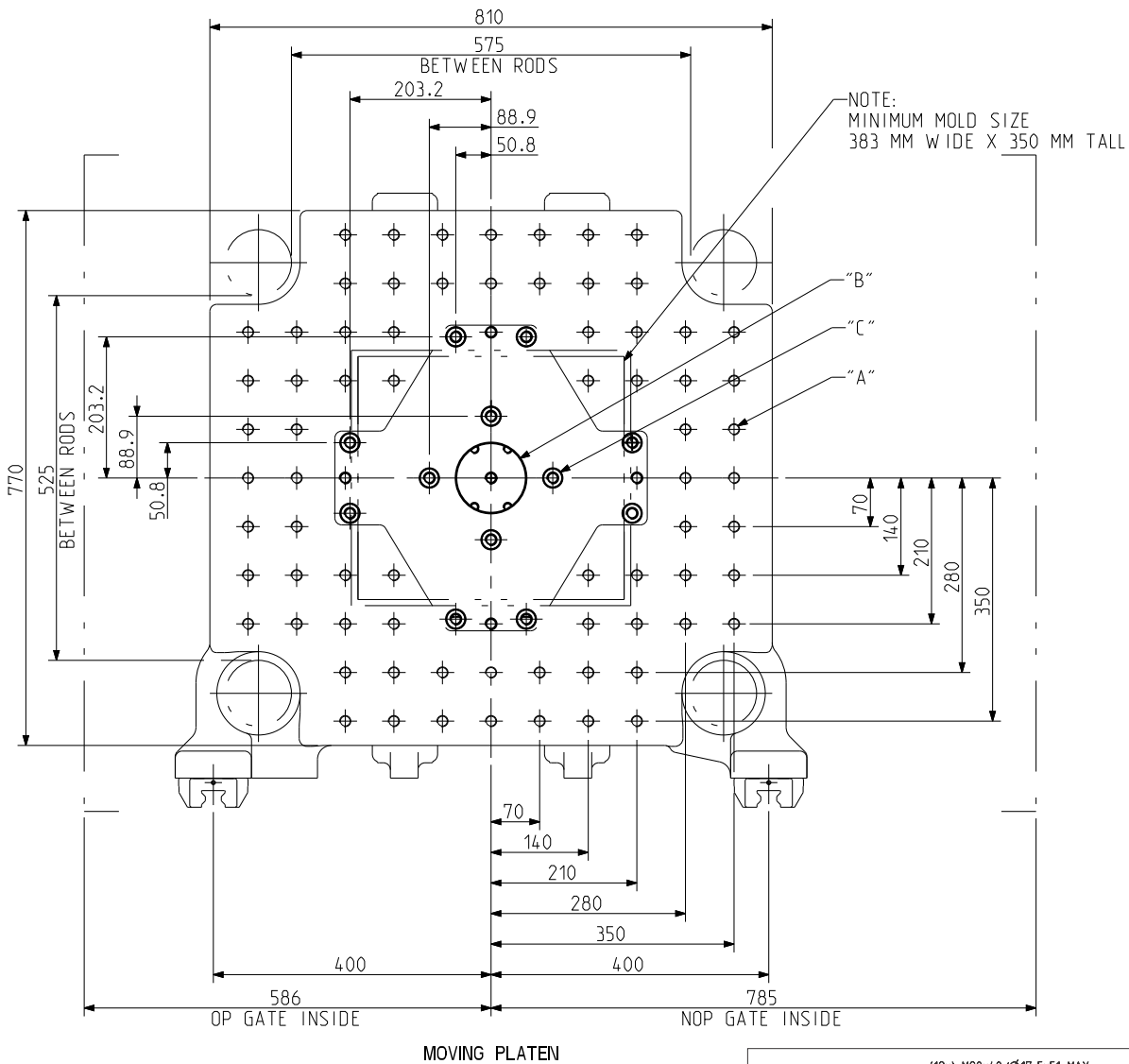
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THE Q-ACCUPACK

TONNAGE: 180

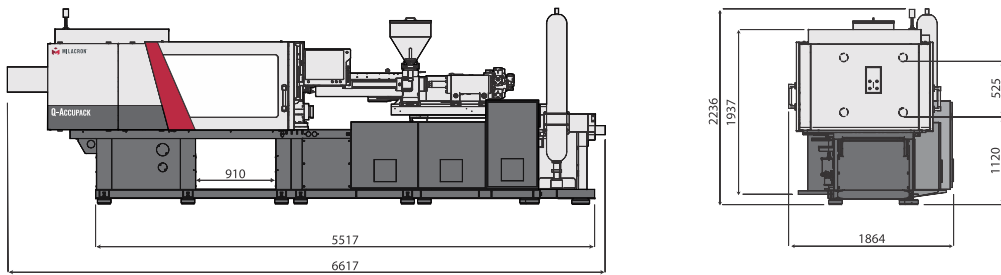
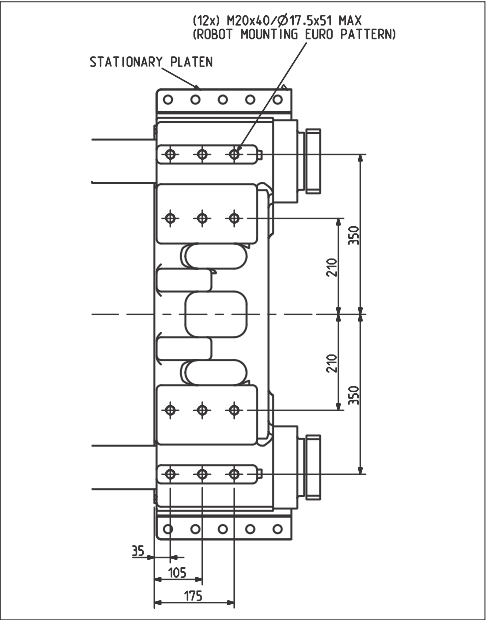
Injection Unit 450, 630, 970

TECHNICAL SPECIFICATIONS



ALL DIMENSIONS ARE IN MM

- A MOVING PLATEN: M16X32 (76) PLACES,
STATIONARY PLATEN: M16X32 DEEP (84) PLACES
- B MOVING PLATEN: Ø100(+0.035/-0.0) THRU BORE,
K/O BAR CENTRE HOLE M16X40 DEEP
STATIONARY PLATEN:
Ø125(+0.04/-0.0) WITH LOCATING RING,
Ø160(+0.04/-0.0) X 10(+0.15/-0.0) DEEP, WITHOUT LOCATING RING
- C Ø27 THRU, (12) HOLES IN MOVING PLATEN
K/O BAR M16X40 THRU (12) HOLES



Q-ACCUPACK 180	UNIT	450			630			970		
	METRIC	A'	A	B	A'	A	B	A'	A	B
INJECTION UNIT SPECIFICATIONS										
INJECTION CAPACITY MAX. (GPPS)	g	165	215	272	239	303	374	363	448	646
THEORETICAL DISPLACEMENT	cc	173	226	286	251	318	393	382	471	679
INJECTION PRESSURE MAX.	bar	2443	1984	1568	2492	1969	1595	2249	2057	1428
INJECTION RATE *	cc/sec	320	418	530	416	527	651	529	653	940
INJECTION SCREW STROKE	mm	180	180	180	200	200	200	240	240	240
SCREW DIAMETER	mm	35	40	45	40	45	50	45	50	60
SCREW L/D RATIO		25.7	22.5	20	25	22.2	20	26.7	24	20
SCREW SPEED	rpm	279	279	279	222	222	222	359	359	318
SCREW TORQUE @ 172 BAR	NM	876	876	876	1080	1080	1080	1066	1066	1066
PLASTICIZING RATE (BARRIER) *	g/sec	17	22	31	18	25	33	40	53	73
NO.OF PYROMETERS (BARREL+NOZZLE)		4+1			4+1			4+1		
TOTAL HEAT CAPACITY	KW	11.3			15.7			16.9		
CLAMP UNIT SPECIFICATIONS										
CLAMP FORCE	Ton	180			180			180		
OPENING FORCE	Ton	18			18			18		
CLAMP STROKE	mm	500			500			500		
MAXIMUM DAYIGHT	mm	1100			1100			1100		
MINIMUM MOULD HEIGHT	mm	200			200			200		
MAXIMUM MOULD HEIGHT	mm	600			600			600		
PLATEN SIZE (H X V)	mm	810 X 770			810 X 770			810 X 770		
DISTANCE BETWEEN TIE ROD	mm	575 X 525			575 X 525			575 X 525		
TIE ROD DIAMETER	mm	95			95			95		
EJECTOR STROKE	mm	175			175			175		
EJECTOR FORCE	kN	50			50			50		
MOULD WEIGHT CAPACITY (STAT. / MOVING)	kg	2500 (1200 / 1300)			2500 (1200 / 1300)			2500 (1200 / 1300)		
DRY CYCLE TIME (EUROMAP 6) ***	sec-mm	1.85 - 402			1.85 - 402			1.85 - 402		
GENERAL										
SERVO MOTOR	kW (HP)	20.2			20.2			25.1		
TOTAL OIL CAPACITY	L	365			365			365		
WATER REQUIREMENT (INLET TEMP. 29°C)	lpm	130			130			130		
CONNECTED LOAD	kW	31.5			35.9			42		
MACHINE DIMENSION (L X W X H)	m	6.52 x 1.84 x 2.22			6.52 x 1.84 x 2.22			6.52 x 1.84 x 2.22		
MACHINE WEIGHT	kg	8200			8600			8850		

* WITH OPEN NOZZLE
***BREAKAWAY AND TONNAGE DECOMPRESSION TIMES ARE NOT INCLUDED IN DRY CYCLE TIME

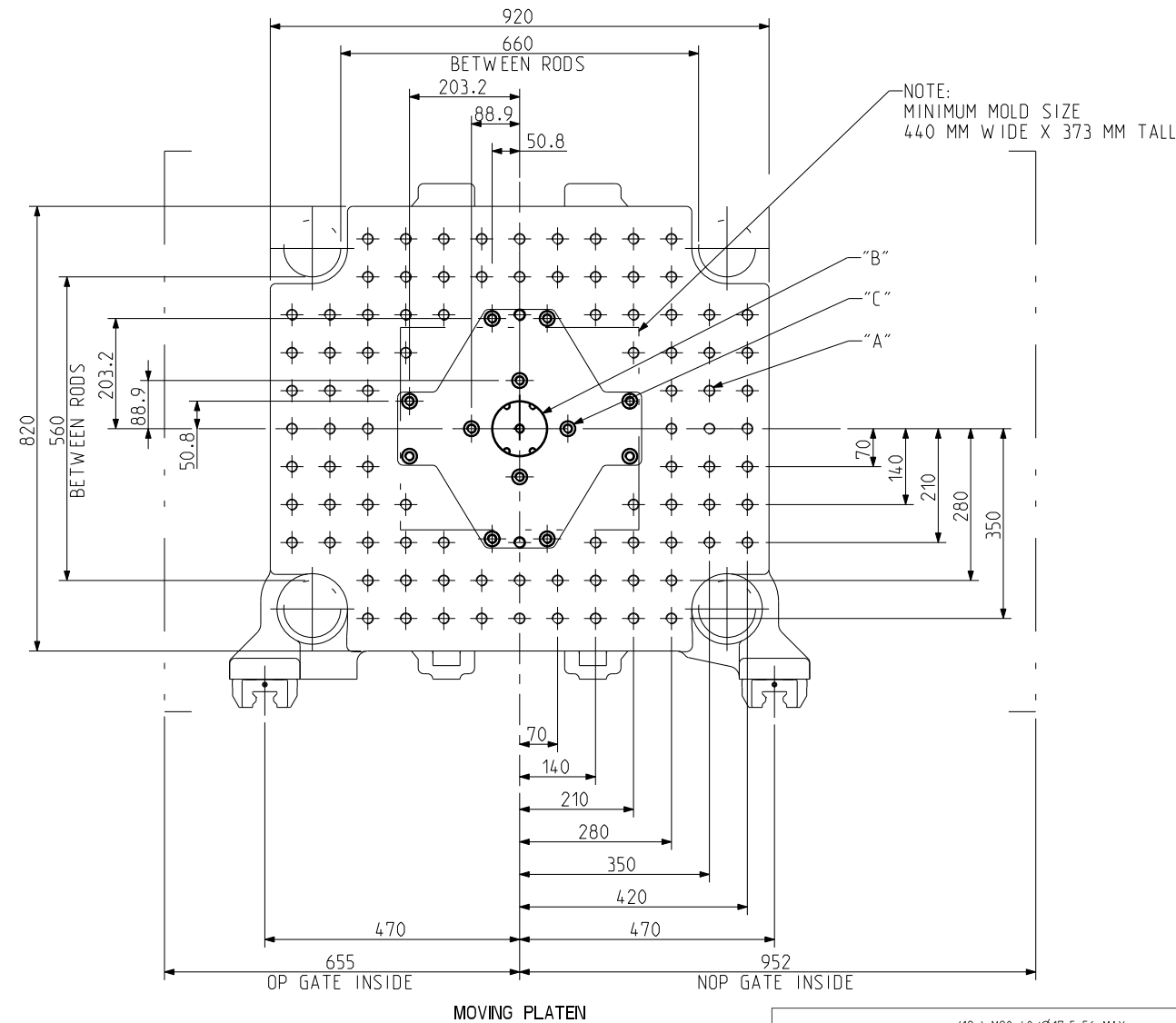
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THE Q-ACCUPACK

TONNAGE: 230

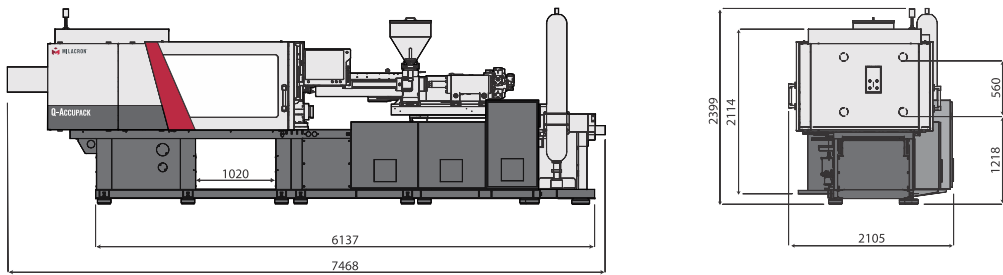
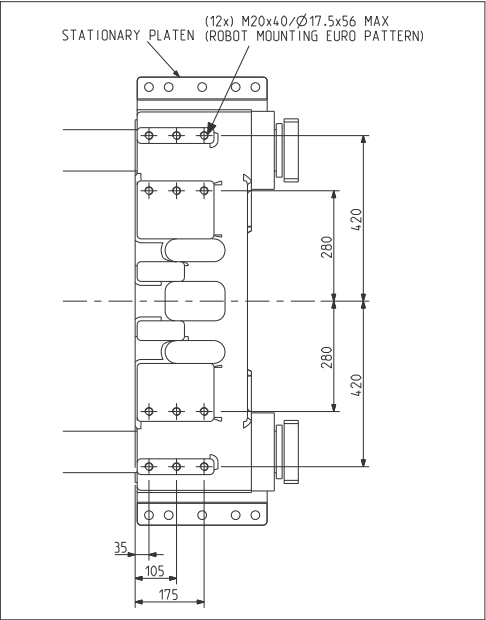
Injection Unit 630, 970, 1540

TECHNICAL SPECIFICATIONS



ALL DIMENSIONS ARE IN MM

- A MOVING PLATEN: M20X45 (92) PLACES,
STATIONARY PLATEN: M20X45 DEEP (96) PLACES
- B MOVING PLATEN: Ø100(+0.035/-0.0) THRU BORE,
K/O BAR CENTRE HOLE M16X40 DEEP
STATIONARY PLATEN:
Ø125(+0.04/-0.0) WITH LOCATING RING,
Ø160(+0.04/-0.0) X 10(+0.15/-0.0) DEEP, WITHOUT LOCATING RING
- C Ø27 THRU, (12) HOLES IN MOVING PLATEN
K/O BAR M16X40 THRU (12) HOLES



Q-ACCUPACK 230	UNIT	630			970			1540		
	METRIC	A'	A	B	A'	A	B	A'	A	B
INJECTION UNIT SPECIFICATIONS										
INJECTION CAPACITY MAX. (GPPS)	g	239	303	374	363	448	646	523	753	1025
THEORETICAL DISPLACEMENT	cc	251	318	393	382	471	679	550	792	1078
INJECTION PRESSURE MAX.	bar	2492	1969	1595	2249	2057	1428	2236	1941	1426
INJECTION RATE *	cc/sec	416	527	651	529	653	940	654	942	1282
INJECTION SCREW STROKE	mm	200	200	200	240	240	240	280	280	280
SCREW DIAMETER	mm	40	45	50	45	50	60	50	60	70
SCREW L/D RATIO		25	22.2	20	26.7	24	20	28	23.3	20
SCREW SPEED	rpm	305	305	305	359	359	318	327	315	273
SCREW TORQUE @ 200 BAR	NM	1080	1080	1080	1066	1066	1066	1917	1917	1917
PLASTICIZING RATE (BARRIER) *	g/sec	25	34	46	40	53	73	49	73	100
NO.OF PYROMETERS (BARREL+NOZZLE)		4+1			4+1			5+1		
TOTAL HEAT CAPACITY	KW	15.7			16.9			24.9		
CLAMP UNIT SPECIFICATIONS										
CLAMP FORCE	Ton	230			230			230		
OPENING FORCE	Ton	23			23			23		
CLAMP STROKE	mm	550			550			550		
MAXIMUM DAYIGHT	mm	1260			1260			1260		
MINIMUM MOULD HEIGHT	mm	200			200			200		
MAXIMUM MOULD HEIGHT	mm	710			710			710		
PLATEN SIZE (H X V)	mm	920 x 820			920 x 820			920 x 820		
DISTANCE BETWEEN TIE ROD	mm	660 x 560			660 x 560			660 x 560		
TIE ROD DIAMETER	mm	105			105			105		
EJECTOR STROKE	mm	200			200			200		
EJECTOR FORCE	kN	65			65			65		
MOULD WEIGHT CAPACITY (STAT. / MOVING)	kg	3200 (1500 / 1700)			3200 (1500 / 1700)			3200 (1500 / 1700)		
DRY CYCLE TIME (EUROMAP 6) ***	sec-mm	1.95 - 462			1.95 - 462			1.95 - 462		
GENERAL										
SERVO MOTOR	kW (HP)	25.1			25.1			36.6		
TOTAL OIL CAPACITY	L	530			530			530		
WATER REQUIREMENT (INLET TEMP. 29°C)	lpm	130			180			180		
CONNECTED LOAD	kW	40.8			42			63.6		
MACHINE DIMENSION (L X W X H)	m	7.55 x 2.2 x 2.4			7.55 x 2.2 x 2.4			7.9 x 2.2 x 2.4		
MACHINE WEIGHT	kg	10000			10500			10850		

* WITH OPEN NOZZLE
***BREAKAWAY AND TONNAGE DECOMPRESSION TIMES ARE NOT INCLUDED IN DRY CYCLE TIME

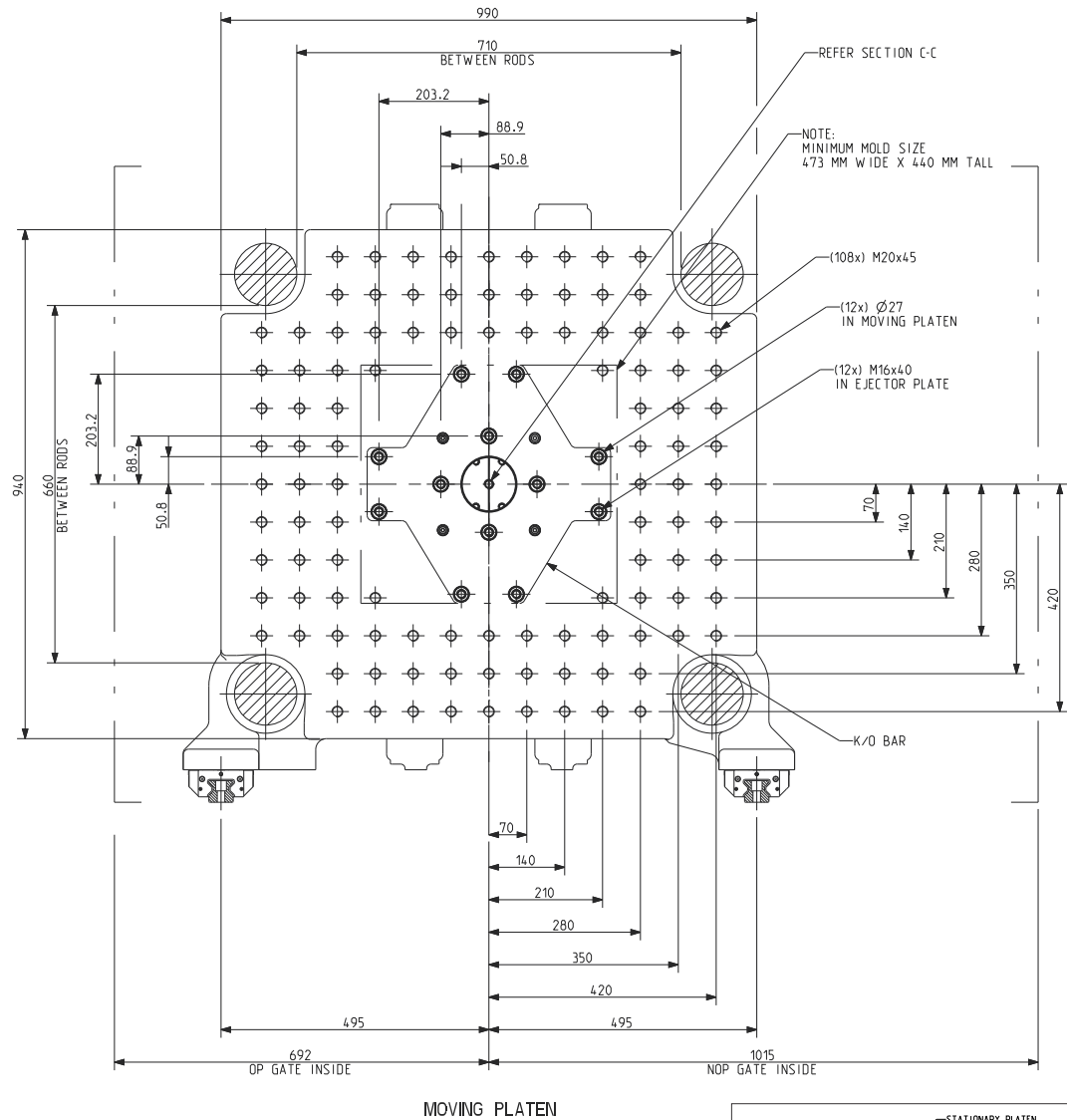
All machine dimensions and specifications are subject to change. Values are for reference only. These values are for standard machine power.

THE Q-ACCUPACK

TONNAGE: 280

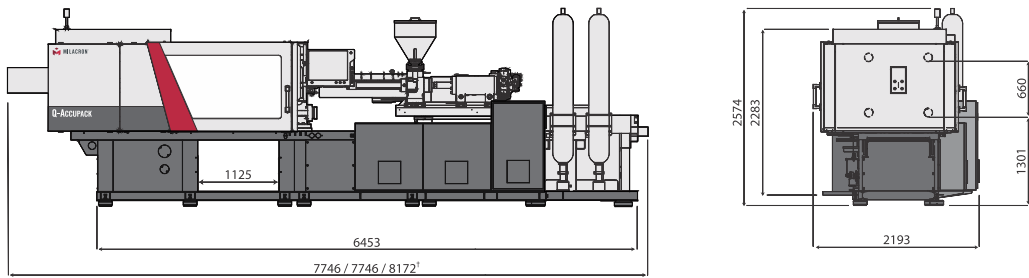
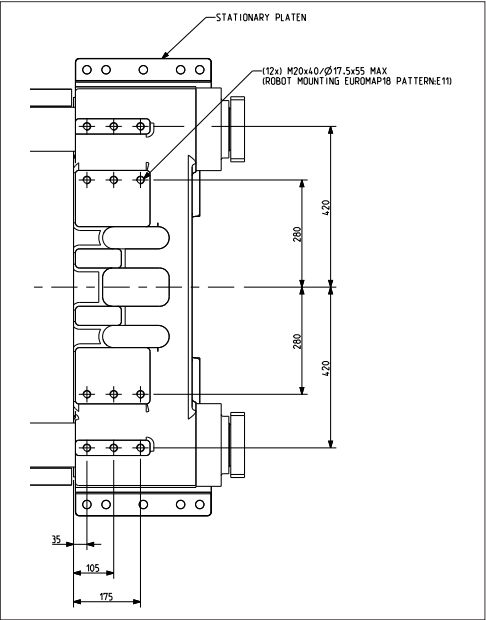
Injection Unit 970, 1540, 2290

TECHNICAL SPECIFICATIONS



ALL DIMENSIONS ARE IN MM

- A M20X45 (108) PLACES ON BOTH PLATEN
- B MOVING PLATEN: Ø100(+0.035/-0.0) THRU BORE, K/O BAR CENTRE HOLE M16X40 THRU STATIONARY PLATEN: Ø125(+0.04/-0.0) WITH LOCATING RING, Ø160(+0.04/-0.0) x 10(+0.15/-0.0) DEEP, WITHOUT LOCATING RING
- C Ø27 THRU, (12) HOLES IN MOVING PLATEN K/O BAR M16X40 THRU (12) HOLES



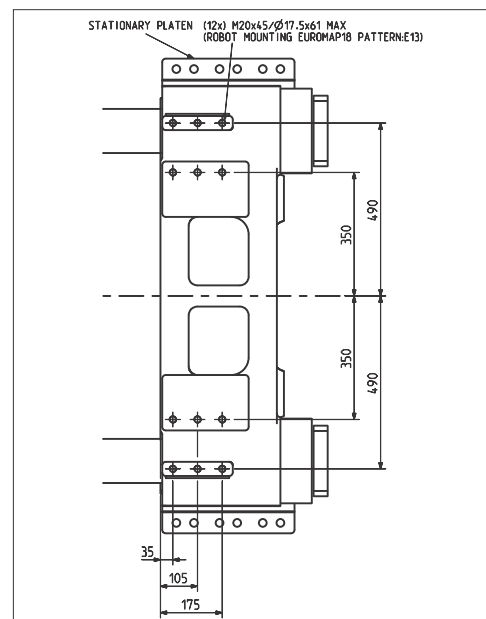
110 970 / 1540 / 2290

Q-ACCUPACK 280	UNIT	970			1540			2290		
	METRIC	A'	A	B	A'	A	B	A'	A	B
INJECTION UNIT SPECIFICATIONS										
INJECTION CAPACITY MAX. (GPPS)	g	363	448	646	523	753	1025	861	1172	1530
THEORETICAL DISPLACEMENT	cc	382	471	679	550	792	1078	905	1232	1608
INJECTION PRESSURE MAX.	bar	2249	2057	1428	2236	1941	1426	2238	1856	1421
INJECTION RATE *	cc/sec	529	653	940	654	942	1282	940	1280	1672
INJECTION SCREW STROKE	mm	240	240	240	280	280	280	320	320	320
SCREW DIAMETER	mm	45	50	60	50	60	70	60	70	80
SCREW L/D RATIO		26.7	24	20	28	23.3	20	26.7	22.9	20
SCREW SPEED	rpm	359	359	318	327	315	273	187	187	187
SCREW TORQUE @ 200 BAR	NM	1066	1066	1066	1917	1917	1917	3356	3356	3356
PLASTICIZING RATE (BARRIER) *	g/sec	40	53	73	49	73	100	43	68	93
NO.OF PYROMETERS (BARREL+NOZZLE)		4+1			5+1			5+1		
TOTAL HEAT CAPACITY	KW	16.9			24.9			39.6		
CLAMP UNIT SPECIFICATIONS										
CLAMP FORCE	Ton	280			280			280		
OPENING FORCE	Ton	28			28			28		
CLAMP STROKE	mm	650			650			650		
MAXIMUM DAYIGHT	mm	1400			1400			1400		
MINIMUM MOULD HEIGHT	mm	250			250			250		
MAXIMUM MOULD HEIGHT	mm	750			750			750		
PLATEN SIZE (H X V)	mm	990 x 940			990 x 940			990 x 940		
DISTANCE BETWEEN TIE ROD	mm	710 x 660			710 x 660			710 x 660		
TIE ROD DIAMETER	mm	115			115			115		
EJECTOR STROKE	mm	200			200			200		
EJECTOR FORCE	kN	65			65			65		
MOULD WEIGHT CAPACITY (STAT. / MOVING)	kg	4400 (1900 / 2500)			4400 (1900 / 2500)			4400 (1900 / 2500)		
DRY CYCLE TIME (EUROMAP 6) ***	sec-mm	2.15 - 497			2.15 - 497			2.15 - 497		
GENERAL										
SERVO MOTOR	kW (HP)	25.1			36.6			38.7		
TOTAL OIL CAPACITY	L	530			530			735		
WATER REQUIREMENT (INLET TEMP. 29°C)	lpm	180			180			220		
CONNECTED LOAD	kW	42			63.6			78.3		
MACHINE DIMENSION (L X W X H)	m	8.3 x 2.2 x 2.56			8.3 x 2.2 x 2.56			8.6 x 2.2 x 2.56		
MACHINE WEIGHT	kg	12400			13500			15600		

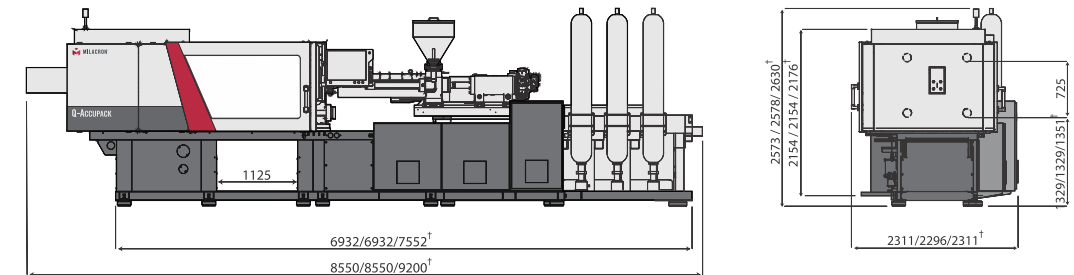
* WITH OPEN NOZZLE
***BREAKAWAY AND TONNAGE DECOMPRESSION TIMES ARE NOT INCLUDED IN DRY CYCLE TIME

All machine dimensions and specifications are subject to change. Values are for reference only. These values are for standard machine power.

TECHNICAL SPECIFICATIONS



C Ø27 THRU, (12) HOLES IN MOVING PLATEN
K/O BAR M16X40 THRU (12) HOLES



1540 / 2290 / 3470

Q-ACCUPACK 350	UNIT	1540			2290			3470		
	METRIC	A'	A	B	A'	A	B	A'	A	B
INJECTION UNIT SPECIFICATIONS										
INJECTION CAPACITY MAX. (GPPS)	g	523	753	1025	861	1172	1530	1318	1722	2179
THEORETICAL DISPLACEMENT	cc	550	792	1078	905	1232	1608	1385	1810	2290
INJECTION PRESSURE MAX.	bar	2236	1941	1426	2238	1856	1421	2289	1917	1515
INJECTION RATE *	cc/sec	654	942	1282	940	1280	1672	1283	1676	2121
INJECTION SCREW STROKE	mm	280	280	280	320	320	320	360	360	360
SCREW DIAMETER	mm	50	60	70	60	70	80	70	80	90
SCREW L/D RATIO		28	23.3	20	26.7	22.9	20	25.7	22.5	20
SCREW SPEED	rpm	327	315	273	187	187	187	173	173	173
SCREW TORQUE @ 200 BAR	NM	1917	1917	1917	3356	3356	3356	4424	4424	4424
PLASTICIZING RATE (BARRIER) *	g/sec	49	73	100	43	68	93	63	85	114
NO.OF PYROMETERS (BARREL+NOZZLE)		5+1			5+1			5+1		
TOTAL HEAT CAPACITY	KW	24.9			39.6			57.9		
CLAMP UNIT SPECIFICATIONS										
CLAMP FORCE	Ton	350			350			350		
OPENING FORCE	Ton	35			35			35		
CLAMP STROKE	mm	720			720			720		
MAXIMUM DAYIGHT	mm	1520			1520			1520		
MINIMUM MOULD HEIGHT	mm	300			300			300		
MAXIMUM MOULD HEIGHT	mm	800			800			800		
PLATEN SIZE (H X V)	mm	1120 X 1035			1120 X 1035			1120 X 1035		
DISTANCE BETWEEN TIE ROD	mm	810 X 725			810 X 725			810 X 725		
TIE ROD DIAMETER	mm	125			125			125		
EJECTOR STROKE	mm	250			250			250		
EJECTOR FORCE	kN	75			75			75		
MOULD WEIGHT CAPACITY (STAT. / MOVING)	kg	6000 (2700 / 3300)			6000 (2700 / 3300)			6000 (2700 / 3300)		
DRY CYCLE TIME (EUROMAP 6) ***	sec-mm	2.40 - 567			2.40 - 567			2.40 - 567		
GENERAL										
SERVO MOTOR	kW (HP)	38.7			38.7			40.8		
TOTAL OIL CAPACITY	L	650			725			920		
WATER REQUIREMENT (INLET TEMP. 29°C)	lpm	220			220			220		
CONNECTED LOAD	kW	63.6			78.3			98.6		
MACHINE DIMENSION (L X W X H)	m	8.7 x 2.32 x 2.6			8.9 x 2.32 x 2.6			9.1 x 2.32 x 2.6		
MACHINE WEIGHT	kg	15600			17800			19300		

***BREAKAWAY AND TONNAGE DECOMPRESSION TIMES ARE NOT INCLUDED IN DRY CYCLE TIME

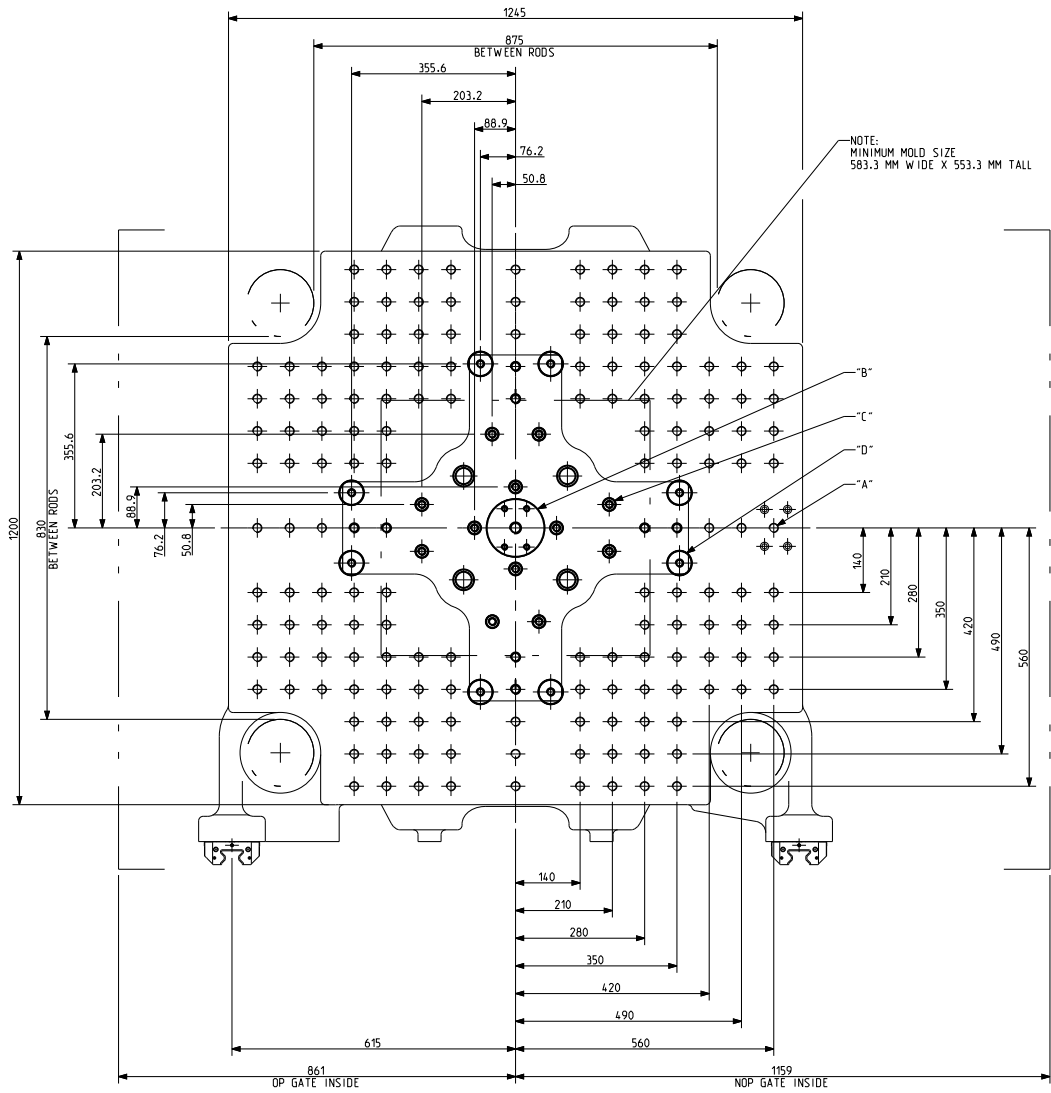
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THE Q-ACCUPACK

TONNAGE: 450

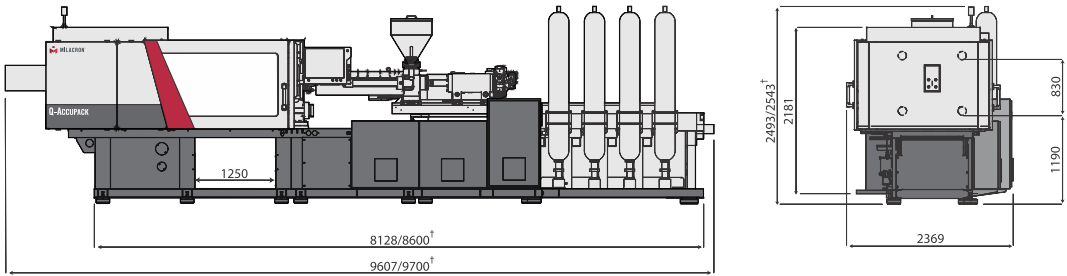
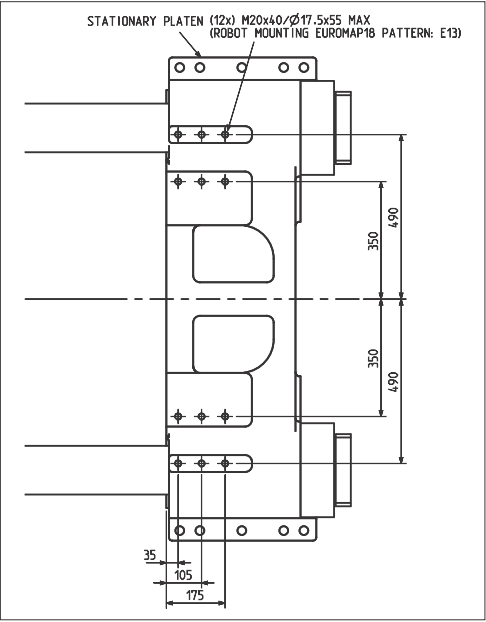
Injection Unit 2290, 3470

TECHNICAL SPECIFICATIONS



ALL DIMENSIONS ARE IN MM

- A M20X45 (164) PLACES ON BOTH PLATEN
- B MOVING PLATEN: Ø125(+0.04/-0.0) THRU BORE, K/O BAR CENTRE HOLE M24X43 THRU STATIONARY PLATEN: Ø160(+0.040/-0.0) WITH LOCATING RING, Ø200(+0.046/-0.0) x 10(+0.15/-0.0) DEEP, WITHOUT LOCATING RING
- C Ø27 THRU, (12) HOLES IN MOVING PLATEN K/O BAR M16X40 THRU (20) HOLES
- D Ø52.4 THRU (8) HOLES



1IU 2290 / 3470

Q-ACCUPACK 450	UNIT	2290			3470		
	METRIC	A'	A	B	A'	A	B
INJECTION UNIT SPECIFICATIONS							
INJECTION CAPACITY MAX. (GPPS)	g	861	1172	1530	1318	1722	2179
THEORETICAL DISPLACEMENT	cc	905	1232	1608	1385	1810	2290
INJECTION PRESSURE MAX.	bar	2238	1856	1421	2289	1917	1515
INJECTION RATE *	cc/sec	940	1280	1672	1283	1676	2121
INJECTION SCREW STROKE	mm	320	320	320	360	360	360
SCREW DIAMETER	mm	60	70	80	70	80	90
SCREW L/D RATIO		26.7	22.9	20	25.7	22.5	20
SCREW SPEED	rpm	187	187	187	173	173	173
SCREW TORQUE @ 200 BAR	NM	3356	3356	3356	4424	4424	4424
PLASTICIZING RATE (BARRIER) *	g/sec	43	68	93	63	85	114
NO.OF PYROMETERS (BARREL+NOZZLE)		5+1			5+1		
TOTAL HEAT CAPACITY	KW	39.6			57.9		
CLAMP UNIT SPECIFICATIONS							
CLAMP FORCE	Ton	450			450		
OPENING FORCE	Ton	45			45		
CLAMP STROKE	mm	850			850		
MAXIMUM DAYIGHT	mm	1670			1670		
MINIMUM MOULD HEIGHT	mm	350			350		
MAXIMUM MOULD HEIGHT	mm	820			820		
PLATEN SIZE (H X V)	mm	1245 X 1200			1245 X 1200		
DISTANCE BETWEEN TIE ROD	mm	875 X 830			875 X 830		
TIE ROD DIAMETER	mm	145			145		
EJECTOR STROKE	mm	250			250		
EJECTOR FORCE	kN	120			120		
MOULD WEIGHT CAPACITY (STAT. / MOVING)	kg	8000 (4000 / 4000)			8000 (4000 / 4000)		
DRY CYCLE TIME (EUROMAP 6) ***	sec-mm	2.95 - 612			2.95 - 612		
GENERAL							
SERVO MOTOR	kW (HP)	38.7			40.8		
TOTAL OIL CAPACITY	L	815			940		
WATER REQUIREMENT (INLET TEMP. 29°C)	lpm	220			220		
CONNECTED LOAD	kW	78.3			98.6		
MACHINE DIMENSION (L X W X H)	m	9.6 X 2.4 X 2.5			9.6 X 2.4 X 2.5		
MACHINE WEIGHT	kg	23000			24500		

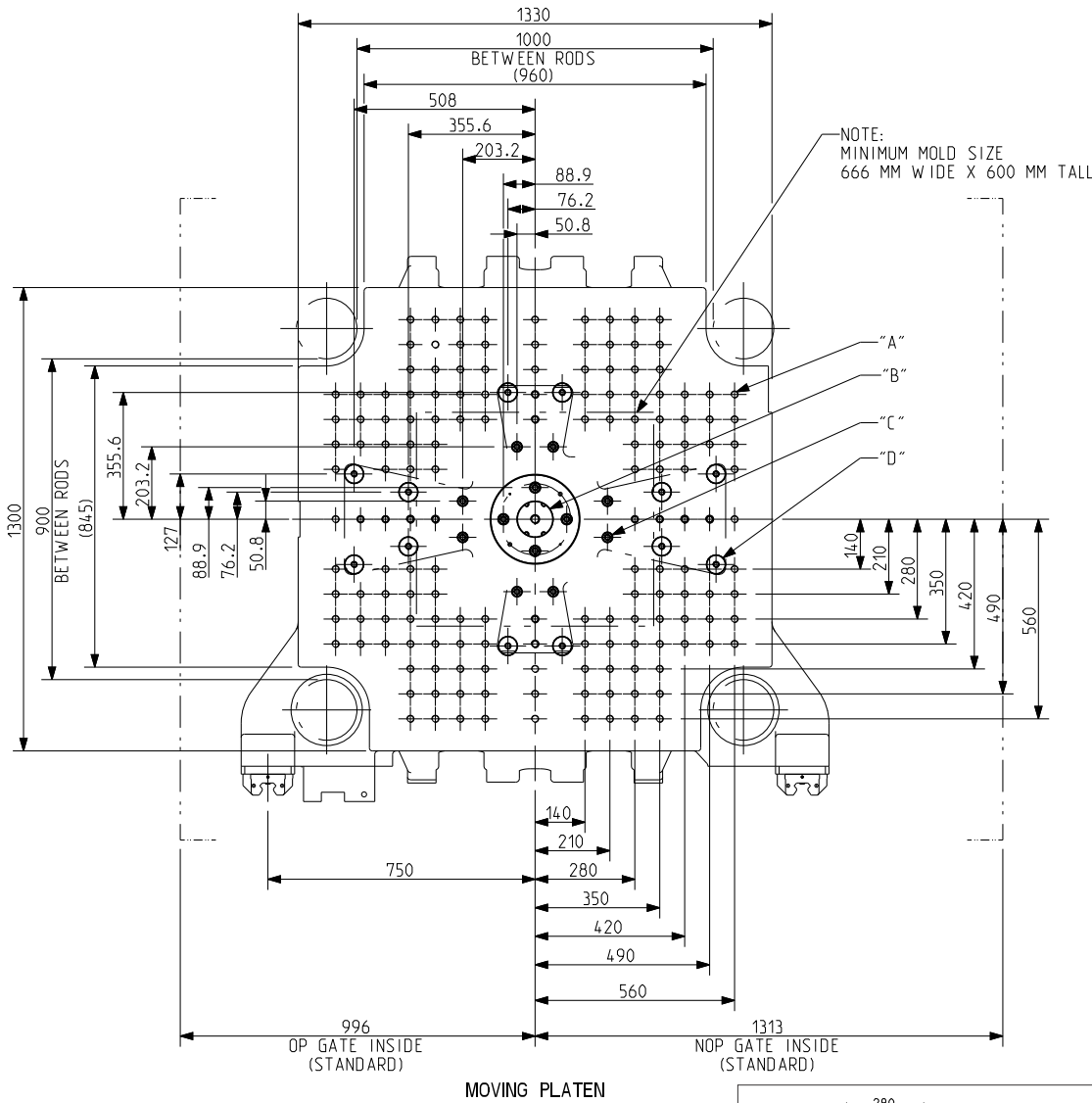
* WITH OPEN NOZZLE
***BREAKAWAY AND TONNAGE DECOMPRESSION TIMES ARE NOT INCLUDED IN DRY CYCLE TIME

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THE Q-ACCUPACK
TONNAGE: 550

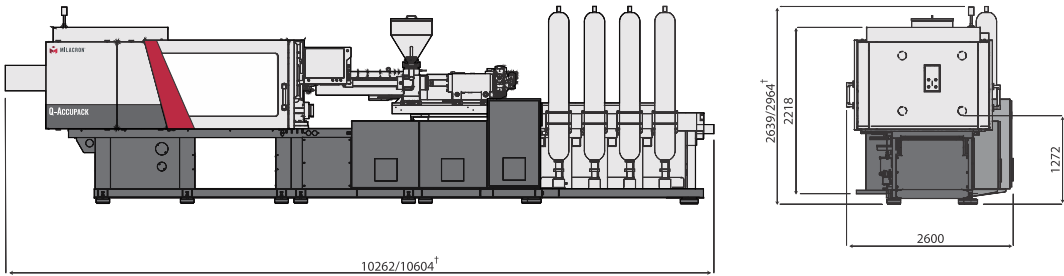
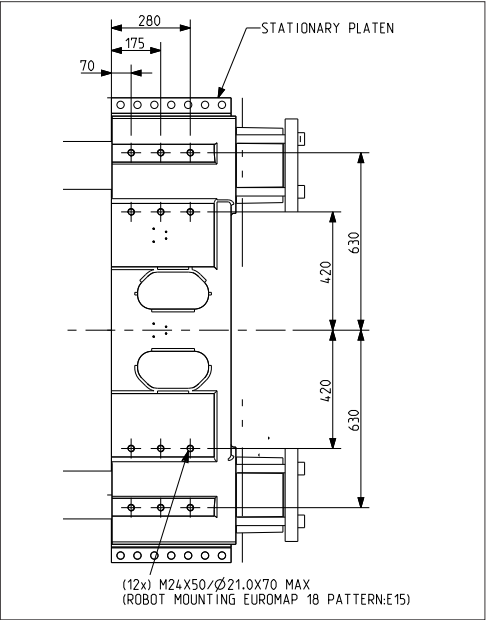
Injection Unit 2290, 3470

TECHNICAL SPECIFICATIONS



ALL DIMENSIONS ARE IN MM

- A MOVING PLATEN: M20X50 (160) PLACES,
STATIONARY PLATEN: M20X50 DEEP (164) PLACES
- B MOVING PLATEN:
Ø100(+0.035/-0.0) WITHOUT LOCATING RING
Ø250(+0.046/-0.0) X 20.07(+0.08/-0.0) DEEP, WITHOUT LOCATING RING
K/O BAR CENTRE HOLE M24X60 DEEP
STATIONARY PLATEN:
Ø160(+0.040/-0.0) WITH LOCATING RING,
Ø250(+0.046/-0.0) X 20.07(+0.08/-0.0) DEEP, WITHOUT LOCATING RING
- C (12X) Ø27 THRU HOLES
K/O BAR HOLES: (12X) M16 THRU
- D (12X) Ø52.4 THRU HOLES
K/O BAR HOLES: (12X) M16 THRU

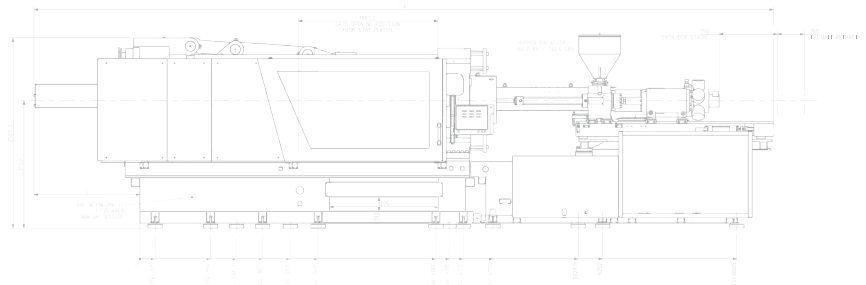


11U 2290 / 3470

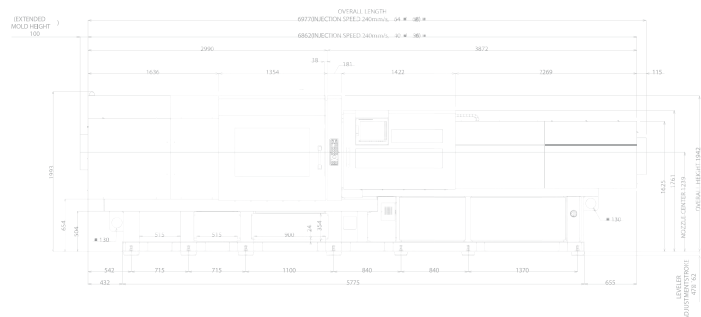
Q-ACCUPACK 550	UNIT	2290			3470		
	METRIC	A'	A	B	A'	A	B
INJECTION UNIT SPECIFICATIONS							
INJECTION CAPACITY MAX. (GPPS)	g	861	1172	1530	1318	1722	2179
THEORETICAL DISPLACEMENT	cc	905	1232	1608	1385	1810	2290
INJECTION PRESSURE MAX.	bar	2238	1856	1421	2289	1917	1515
INJECTION RATE *	cc/sec	940	1280	1672	1283	1676	2121
INJECTION SCREW STROKE	mm	320	320	320	360	360	360
SCREW DIAMETER	mm	60	70	80	70	80	90
SCREW L/D RATIO		26.7	22.9	20	25.7	22.5	20
SCREW SPEED	rpm	228	228	228	173	173	173
SCREW TORQUE @ 200 BAR	NM	3356	3356	3356	4424	4424	4424
PLASTICIZING RATE (BARRIER) *	g/sec	52	83	113	63	85	114
NO.OF PYROMETERS (BARREL+NOZZLE)		5+1			5+1		
TOTAL HEAT CAPACITY	KW	39.6			57.9		
CLAMP UNIT SPECIFICATIONS							
CLAMP FORCE	Ton	550			550		
OPENING FORCE	Ton	55			55		
CLAMP STROKE	mm	920			920		
MAXIMUM DAYIGHT	mm	1820			1820		
MINIMUM MOULD HEIGHT	mm	400			400		
MAXIMUM MOULD HEIGHT	mm	900			900		
PLATEN SIZE (H X V)	mm	1330 X 1300			1330 X 1300		
DISTANCE BETWEEN TIE ROD	mm	1000 X 900			1000 X 900		
TIE ROD DIAMETER	mm	170			170		
EJECTOR STROKE	mm	250			250		
EJECTOR FORCE	Ton	12			12		
MOULD WEIGHT CAPACITY (STAT. / MOVING)	kg	9650 (4150 / 5500)			9650 (4150 / 5500)		
DRY CYCLE TIME (EUROMAP 6) ***	sec-mm	3.20 - 700			3.20 - 700		
GENERAL							
SERVO MOTOR	kW (HP)	40.8			40.8		
TOTAL OIL CAPACITY	L	815			940		
WATER REQUIREMENT (INLET TEMP. 29°C)	lpm	220			220		
CONNECTED LOAD	kW	80.3			98.6		
MACHINE DIMENSION (L X W X H)	m	9.7 x 2.6 x 2.9			9.7 x 2.6 x 2.9		
MACHINE WEIGHT	kg	31750			33750		

* WITH OPEN NOZZLE
***BREAKAWAY AND TONNAGE DECOMPRESSION TIMES ARE NOT INCLUDED IN DRY CYCLE TIME

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All specifications reflect average values based on typical machine layouts. Actual figures will vary depending on final machine configuration. Performance specifications are based on theoretical data. Photograph may show attachments or accessories, which may not be part of the standard scope of supply. Due to continual improvements, specifications & some components are subject to change without notice.



OFFICE	PHONE NUMBER
BENGALURU	+91 99169 51333
PANCHKULA	+91-172-415 5955
CHENNAI	+91-44-2378 3648/0456/3318
HYDERABAD	+91-40-4539 2595
KOLKATA	+91-33-4601 7768
MUMBAI	+91-22-4005 5459/65
NEW DELHI	+91-11-4630 1114/5/6
PUNE	+91-20-4861 5001/02
VAPI	+91-75674 11133



Milacron India Pvt. Ltd.
93/2 & 94/1, Phase-I, G.I.D.C. Vatva,
Ahmedabad - 382445, Gujarat, India.

+91-79-61341700
enquiry@milacron.com
www.milacron.com

