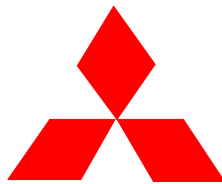


MITSUBISHI INJECTION MOLDING MACHINE
SPECIFICATIONS

950MGV-160



MHI Injection Molding Machinery, Inc.

Ref: MHI-PT document # ED-1D33-4401

950MGV-160

CLAMP UNIT

ITEM		UNIT	SPECIFICATION		NOTES	
			Inch	(Metric)		
Max. Mold Clamping Force		US. ton	937	(850)		
Mold Opening Force		(Metric ton)	68.3	(62.0)		
Mold Closing Speed	High Speed	ft/min (m/min)	121.4	(37)		
	Low Speed		6.56	(2.0)		
Mold Opening Speed	Detaching Speed		6.56	(2.0)		
	High Speed		121.4	(37)		
	Low Speed		6.56	(2.0)		
Platen Size	(H)		inch (mm)	60.24	(1530)	
	(V)			60.24	(1530)	
Clearance between Tie Bars	(H)			41.73	(1060)	
	(V)	41.73		(1060)		
Maximum Clamp Stroke				68.9	(1750)	
Maximum Daylight				88.58	(2250)	
Mold Thickness	Minimum			19.69	(500)	
	Maximum			43.31	(1100)	
Hydraulic ejector	Force	US ton (Metric ton)		22.3	(20.2)	
	Stroke	inch (mm)		7.9	(200)	
	Forward Speed	ft/min	15.1	(4.6)		
	Retract Speed	(m/min)	19.7	(6.0)		
Maximum Mold Size	(H)	inch (mm)	60.24	(1530)		
	(V)		41.34	(1050)		
	or (H)		41.34	(1050)		
	(V)		60.24	(1530)		
Minimum Mold Size	(H)			26.77	(680)	Full clamp tonnage
	(V)			26.77	(680)	
Maximum Mold weight			lbs (kg)	20	(9)	Moving side is half of this weight

950MGV-160

INJECTION UNIT

ITEM		UNIT	SPECIFICATION		NOTES
			Inch	(Metric)	
Theoretical Injection Volume		cu.in (cm ³)	277.0	(4540)	
Inj. Shot Weight	PS	oz	147.44	(4180)	
	PE	(g)	118.52	(3360)	
Plasticizing Capacity	PS	lbs/hr	1424	(645)	
		(kg/hr)			
Max. Injection Pressure		psi (kg/cm ²)	25809	(1815)	
Injection Rate	Standard	cu.in /sec	58.6	(960)	
	Option	(cm3/sec)	75.7	(1240)	
Injection Horse Power		HP (PS)	234		
Screw Diameter		in (mm)	4.13	(105)	
Screw L/D		---		22	
Screw Stroke		in (mm)	20.67	(525)	
Screw Speed	High speed	rpm	~ 154		
	Mid. speed		~		
	Low speed		~ 77		
Nozzle protrusion		in (mm)	1.18	(30)	
Nozzle Touch Force		us ton (metric ton)	6.83	(6.2)	

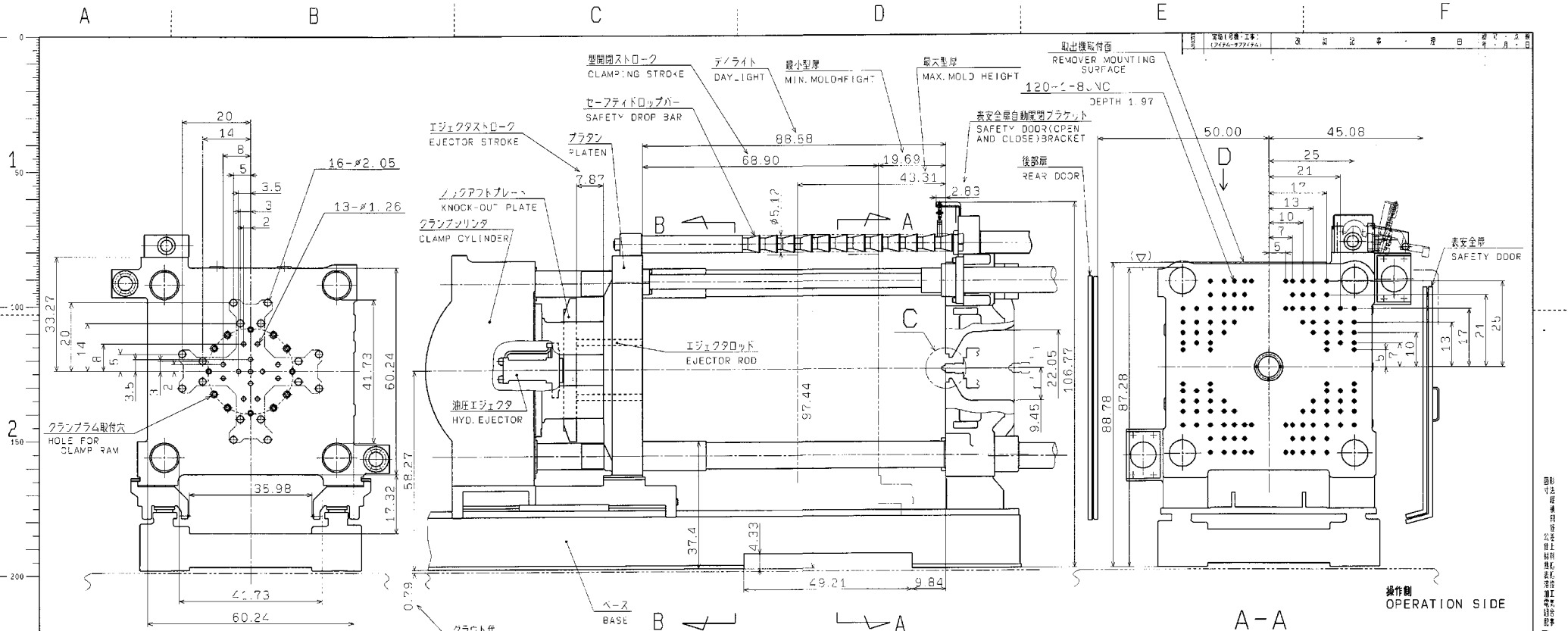
950MGV-160**GENERAL**

ITEM	UNIT	SPECIFICATION		NOTES
		Inch	(Metric)	
Electric Motor Capacity	HP (kw)	147	(110)	2 x 55kw
Electric Heater Capacity for Screw Barrel	kw	47.2		
Electric Heater Capacity for standard Nozzle		0.3		
Oil reservoir Capacity	US gal (ltr)	370	(1400)	
Lub. Oil Capacity for Bearing Housing	US gal (ltr)	1.72	(6.5)	
Overall Dimension	(L)	ft	30.84	(9.40)
	(W)	(m)	8.5	(2.60)
	(H)		8.2	(2.50)
Machine Weight	us ton (metric ton)	42.3	(38.4)	

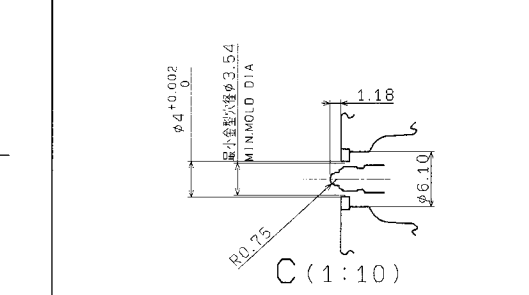
Electric Capacity		KVA	196.0	460 V , 60 Hz
Full Load Current		A	246.2	460 V , 60 Hz
Cooling Water supply for Heat exchanger	us gpm (lit/min)	18.5	(70)	Soft water, 90 °F or below
Cooling Water supply for Feed Throat		6.6	(25)	

Remarks

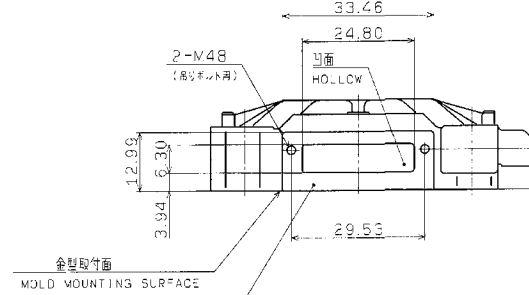
1. Injection weight, injection rate and plasticizing capacity are dependent upon molding conditions and resin used.
2. Specifications are subject to change without notice.



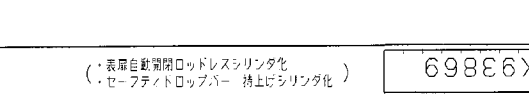
B-B
 (エジェクタ配置)
 (ARRANGEMENT OF EJECTOR HOLES)



A-A
 (金型取付穴の配置は
 タイヘッド、プラテン共同)
 (ARRANGEMENT OF MOLD ATTACHMENT SCREW HOLES
 ON DIE HEAD AND PLATEN IS SIMILAR)



D (タイヘッド上面)
 (TOP VIEW OF DIE HEAD)



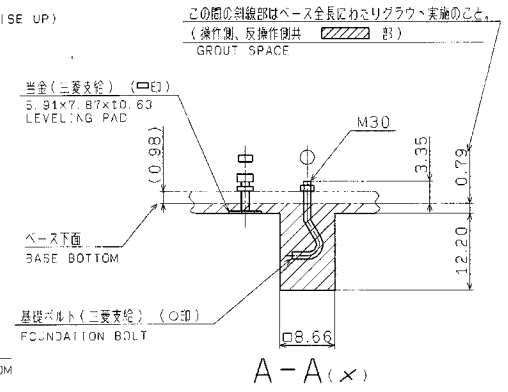
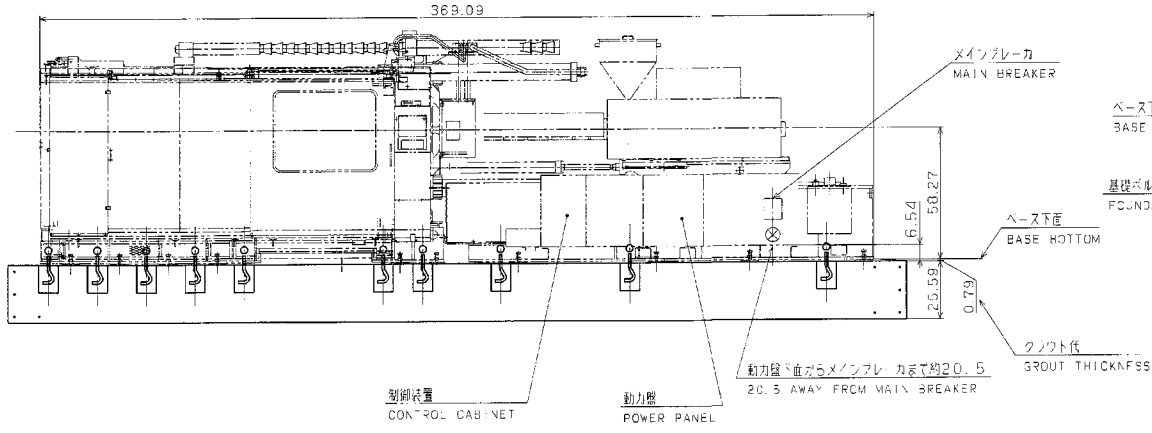
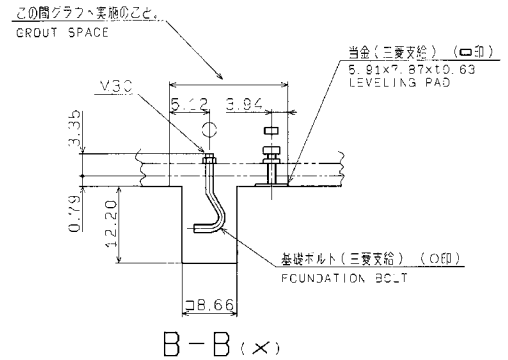
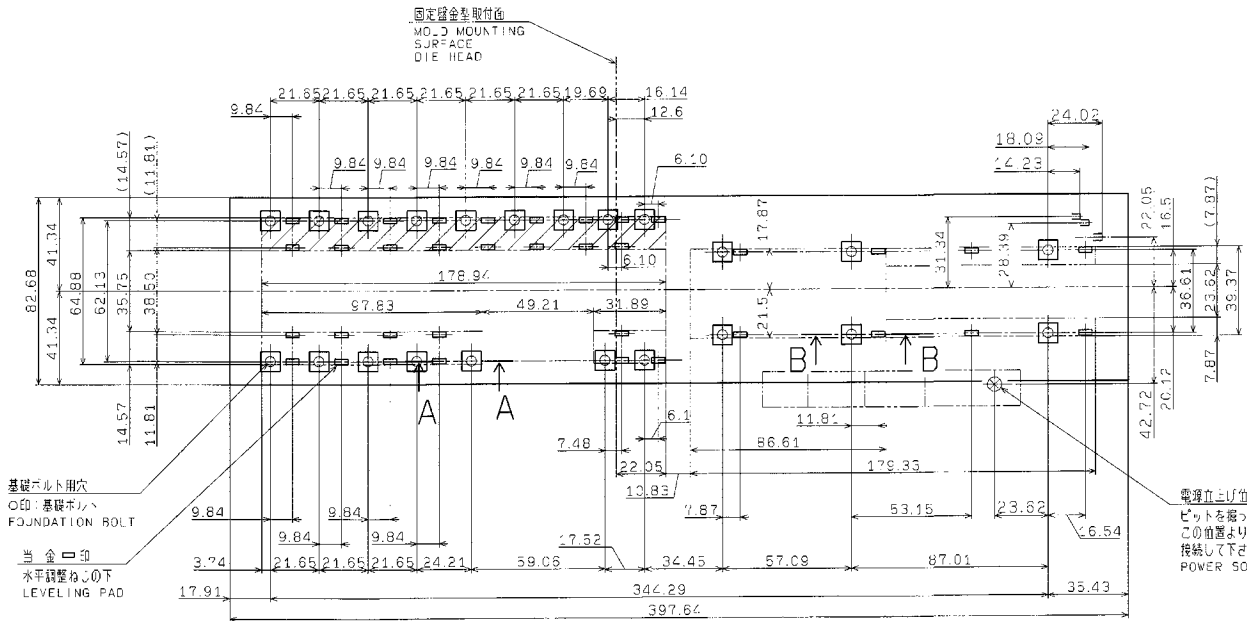
- MIN. MOLD SIZE: 26.77x26.77 (WHEN CLAMPING FORCE IS 937J5 t07)
 - HEX0.95x19.25x4-PIECES, HEX1.61x19.25x4-PIECES, EJECTOR RODS ARE SUPPLIED WITH MACHINE (EJECTOR ROD WITH MALE SCREW 3/4-1UNC; HEX0.95 & 1-8UNC; HEX1.61) WHEN OTHER EJECTOR RODS ARE REQUIRED THEY SHALL BE PREPARED BY CUSTOMER
 - ALL DIMENTION ARE SHOWN IN INCH.
- 最小金型穴径は、680x680mm (型締力5336kN (850tf) の時)
 - 対辺24mm六角x489/4本、対辺21mm六角x489/4本のエジェクタロッド (異-1UNC径仕様: 対辺24、1-8UNC径仕様: 対辺21) が付属します。上記以外のものが必要な場合は、事前にご準備願います。
 - 区中の単位は1/8INCH表示です。

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FOR REFERENCE ONLY

1
2
3
4



3FK91297-160	三角法	RE SCALE & NAME	基礎図
3FK91297-160	3/4 ANGLE	1	40 FOUNDATION
PRODUCTION			
APPROVED	CHECKED	DRAWN	3FK91297

FOR REFERENCE ONLY

