GREENGINES INDUSTRY CO., LTD

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HAITIAN Injection Molding Machines

Injection Unit	MA900
Screw diameter（mm）	36
Screw L/D ratio (L/D)	20
Shot size (theoretical) (cm^3)	153
Injection Weight (PS) (g)	139
Injection rate (PS) (g/s)	108
Injection pressure (MPa)	196
Plasticizing rate (PS) (g/s)	12.6
Screw speed (rpm)	0-290
Clamping Unit	
Clamping force (kN)	900
Mold opening stroke (mm)	320
Dist. between tie bars (HxV) (mm)	360×360
Mold height max(mm)	380
Mold height min(mm)	150
Ejector stroke (mm)	100
Ejector force (kN)	33
Others	
Max.Pump Pressure	16
Pump motor power (kW)	13
Heater power (kW)	6.3
Machine dimension (l x w x h)	4.4×1.13×1.91
Machine weight (t)	3.5
Hopper capacity (kg)	25
Oil tank capacity (l)	190

Injection Unit	MA1200
Screw diameter(mm)	40
Screw L/D ratio (L/D)	21
Shot size (theoretical) (cm^3)	214
Injection Weight (PS) (g)	195
Injection rate (PS) (g/s)	139
Injection pressure (MPa)	192
Plasticizing rate (PS) (g/s)	15.4
Screw speed (rpm)	0-270
Clamping Unit	
Clamping force (kN)	1200
Mold opening stroke (mm)	360
Dist. between tie bars (HxV) (mm)	410×410
Mold height max(mm)	450
Mold height min(mm)	150
Ejector stroke (mm)	120
Ejector force (kN)	33
Others	
Max.Pump Pressure	16
Pump motor power (kW)	15
Heater power (kW)	9.95
Machine dimension (l x w x h)	4.88×1.20×2.03
Machine weight (t)	4.35

Hopper capacity (kg)	25
Oil tank capacity (l)	255

Injection Unit	MA 1600
Screw diameter (mm)	45
Screw L/D ratio (L/D)	20
Shot size (theoretical) (cm^3)	320
Injection Weight (PS) (g)	291
Injection rate (PS) (g/s)	165
Injection pressure (MPa)	188
Plasticizing rate (PS) (g/s)	20
Screw speed (rpm)	0-255
Clamping Unit	
Clamping force (kN)	1600
Mold opening stroke (mm)	430
Dist. between tie bars (HxV) (mm)	470×470
Mold height max(mm)	520
Mold height min(mm)	180
Ejector stroke (mm)	140
Ejector force (kN)	33
Others	
Max.Pump Pressure	16
Pump motor power (kW)	18.5
Heater power (kW)	9.95
Machine dimension (l x w x h)	5.4×1.30×2.08
Machine weight (t)	5.65
Hopper capacity (kg)	25
Oil tank capacity (l)	300

Injection Unit	MA 2000
Screw diameter (mm)	50
Screw L/D ratio (L/D)	20
Shot size (theoretical) (cm^3)	412
Injection Weight (PS) (g)	375
Injection rate (PS) (g/s)	198
Injection pressure (MPa)	187
Plasticizing rate (PS) (g/s)	24
Screw speed (rpm)	0-215
Clamping Unit	
Clamping force (kN)	2000
Mold opening stroke (mm)	490
Dist. between tie bars (HxV) (mm)	530×530
Mold height max(mm)	550
Mold height min(mm)	200
Ejector stroke (mm)	140
Ejector force (kN)	62
Others	
Max.Pump Pressure	16
Pump motor power (kW)	22
Heater power (kW)	14.3
Machine dimension (l x w x h)	5.9×1.32×2.16
Machine weight (t)	7.1
Hopper capacity (kg)	50
Oil tank capacity (l)	350

Injection Unit	MA 2500
Screw diameter （mm）	55
Screw L/D ratio (L/D)	20
Shot size (theoretical) (cm^3)	570
Injection Weight (PS) (g)	519
Injection rate (PS) (g/s)	261
Injection pressure (MPa)	178
Plasticizing rate (PS) (g/s)	29.6
Screw speed (rpm)	0-235
Clamping Unit	
Clamping force (kN)	2500
Mold opening stroke (mm)	540
Dist. between tie bars (HxV) (mm)	580×580
Mold height max(mm)	580
Mold height min(mm)	220
Ejector stroke (mm)	150
Ejector force (kN)	62
Others	
Max.Pump Pressure	16
Pump motor power (kW)	30
Heater power (kW)	17.1
Machine dimension (l x w x h)	6.42×1.48×2.18
Machine weight (t)	8.4
Hopper capacity (kg)	50
Oil tank capacity (l)	455

Injection Unit	MA 2800
Screw diameter （mm）	60
Screw L/D ratio (L/D)	20
Shot size (theoretical) (cm^3)	735
Injection Weight (PS) (g)	669
Injection rate (PS) (g/s)	316
Injection pressure (MPa)	184
Plasticizing rate (PS) (g/s)	33.7
Screw speed (rpm)	0-265
Clamping Unit	
Clamping force (kN)	2800
Mold opening stroke (mm)	590
Dist. between tie bars (HxV) (mm)	630×630
Mold height max(mm)	630
Mold height min(mm)	230
Ejector stroke (mm)	150
Ejector force (kN)	62
Others	
Max.Pump Pressure	16
Pump motor power (kW)	37
Heater power (kW)	19.95
Machine dimension (l x w x h)	6.53×1.64×2.25
Machine weight (t)	11
Hopper capacity (kg)	50
Oil tank capacity (l)	580

Injection Unit	MA 3200
Screw diameter （mm）	65
Screw L/D ratio (L/D)	20
Shot size (theoretical) (cm^3)	929
Injection Weight (PS) (g)	845
Injection rate (PS) (g/s)	351
Injection pressure (MPa)	182
Plasticizing rate (PS) (g/s)	38.2
Screw speed (rpm)	0-235
Clamping Unit	
Clamping force (kN)	3200
Mold opening stroke (mm)	640
Dist. between tie bars (HxV) (mm)	680×680
Mold height max(mm)	680
Mold height min(mm)	250
Ejector stroke (mm)	160
Ejector force (kN)	62
Others	
Max.Pump Pressure	16
Pump motor power (kW)	37
Heater power (kW)	22.95
Machine dimension (l x w x h)	7.01×1.7×2.25
Machine weight (t)	13.2
Hopper capacity (kg)	50
Oil tank capacity (l)	690

Injection Unit	MA 3800
Screw diameter （mm）	70
Screw L/D ratio (L/D)	20
Shot size (theoretical) (cm^3)	1239
Injection Weight (PS) (g)	1127
Injection rate (PS) (g/s)	386
Injection pressure (MPa)	182
Plasticizing rate (PS) (g/s)	44.9
Screw speed (rpm)	0-220
Clamping Unit	
Clamping force (kN)	3800
Mold opening stroke (mm)	700
Dist. between tie bars (HxV) (mm)	730×730
Mold height max(mm)	730
Mold height min(mm)	280
Ejector stroke (mm)	180
Ejector force (kN)	110
Others	
Max.Pump Pressure	16
Pump motor power (kW)	45
Heater power (kW)	28.2
Machine dimension (l x w x h)	7.46×1.84×2.19
Machine weight (t)	14.7
Hopper capacity (kg)	50
Oil tank capacity (l)	690

Injection Unit	MA 4700
Screw diameter （mm）	80
Screw L/D ratio (L/D)	20
Shot size (theoretical) (cm^3)	1860
Injection Weight (PS) (g)	1693
Injection rate (PS) (g/s)	498
Injection pressure (MPa)	158
Plasticizing rate (PS) (g/s)	58.7
Screw speed (rpm)	0-180
Clamping Unit	
Clamping force (kN)	4700
Mold opening stroke (mm)	780
Dist. between tie bars (HxV) (mm)	820×800
Mold height max(mm)	780
Mold height min(mm)	320
Ejector stroke (mm)	200
Ejector force (kN)	110
Others	
Max.Pump Pressure	16
Pump motor power (kW)	55
Heater power (kW)	31.5
Machine dimension (l x w x h)	8.15 x 1.99 x 2.36
Machine weight (t)	18.5
Hopper capacity (kg)	100
Oil tank capacity (l)	830

Injection Unit	MA 5300
Screw diameter （mm）	85
Screw L/D ratio (L/D)	20.7
Shot size (theoretical) (cm^3)	2497
Injection Weight (PS) (g)	2272
Injection rate (PS) (g/s)	568
Injection pressure (MPa)	182
Plasticizing rate (PS) (g/s)	65.4
Screw speed (rpm)	0-145
Clamping Unit	
Clamping force (kN)	5300
Mold opening stroke (mm)	850
Dist. between tie bars (HxV) (mm)	840×830
Mold height max(mm)	850
Mold height min(mm)	350
Ejector stroke (mm)	220
Ejector force (kN)	158
Others	
Max.Pump Pressure	16
Pump motor power (kW)	55
Heater power (kW)	42.35
Machine dimension (l x w x h)	9.27×2.04×2.74
Machine weight (t)	26
Hopper capacity (kg)	200
Oil tank capacity (l)	940

Injection Unit	MA 6000
Screw diameter（mm）	85
Screw L/D ratio (L/D)	20.7
Shot size (theoretical) (cm^3)	2497
Injection Weight (PS) (g)	2272
Injection rate (PS) (g/s)	568
Injection pressure (MPa)	182
Plasticizing rate (PS) (g/s)	65.4
Screw speed (rpm)	0-145
Clamping Unit	
Clamping force (kN)	6000
Mold opening stroke (mm)	900
Dist. between tie bars (HxV) (mm)	880×880
Mold height max(mm)	880
Mold height min(mm)	380
Ejector stroke (mm)	240
Ejector force (kN)	158
Others	
Max.Pump Pressure	16
Pump motor power (kW)	55
Heater power (kW)	42.35
Machine dimension (l x w x h)	9.56×2.1×2.65
Machine weight (t)	29
Hopper capacity (kg)	200
Oil tank capacity (l)	940

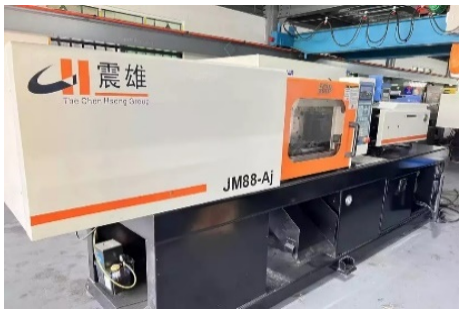
Injection Unit	MA 8000
Screw diameter（mm）	100
Screw L/D ratio (L/D)	22
Shot size (theoretical) (cm^3)	3691
Injection Weight (PS) (g)	3359
Injection rate (PS) (g/s)	671
Injection pressure (MPa)	184
Plasticizing rate (PS) (g/s)	86.5
Screw speed (rpm)	0-118
Clamping Unit	
Clamping force (kN)	8000
Mold opening stroke (mm)	1040
Dist. between tie bars (HxV) (mm)	1000×1000
Mold height max(mm)	1000
Mold height min(mm)	420
Ejector stroke (mm)	280
Ejector force (kN)	186
Others	
Max.Pump Pressure	16
Pump motor power (kW)	22+55
Heater power (kW)	63.75
Machine dimension (l x w x h)	10.9×2.32×2.7
Machine weight (t)	38
Hopper capacity (kg)	200
Oil tank capacity (l)	1280

Injection Unit	MA 10000
Screw diameter（mm）	110
Screw L/D ratio (L/D)	22
Shot size (theoretical) (cm^3)	4847
Injection Weight (PS) (g)	4411
Injection rate (PS) (g/s)	857
Injection pressure (MPa)	174
Plasticizing rate (PS) (g/s)	104
Screw speed (rpm)	0-116
Clamping Unit	
Clamping force (kN)	10000
Mold opening stroke (mm)	1220
Dist. between tie bars (HxV) (mm)	1160×1160
Mold height max(mm)	1160
Mold height min(mm)	500
Ejector stroke (mm)	320
Ejector force (kN)	215
Others	
Max.Pump Pressure	16
Pump motor power (kW)	37+55
Heater power (kW)	71.55
Machine dimension (l x w x h)	12×2.49×2.75
Machine weight (t)	51
Hopper capacity (kg)	200
Oil tank capacity (l)	1480

CHEN HSONG Injection Molding Machines

Product Picture	Specification		
EM 80	**ITEM**	**UNIT**	**EM 80**
	Swept volume	cm^3	163
	Shot weight	g	150
	Screw diameter	mm	36
	Injection pressure(Max)	Kgf/cm^2	1561
	Screw L/D ratio	mm	19.6
	Screw stoke	mm	160
	Screw rotation speed(Max)	rpm	170
	Moulding clamping force(Max)	t	80
	Opening stroke	mm	320
	Space between tie bars(H X V)	mm	355 x 300
	Maximum Daylight	mm	640
	Mould thickness(Min-Max)	mm	130-320
	Ejector stroke	mm	80
	Ejector force(Max)	t	2.3
	System pressure	Kgf/cm^2	148
	Pump motor power	kw	7.5
	Heating capacity	kw	6.5
	Temperature control zones		3+Nozzle
	Dry cycle time	s	1.6
	Oil tank capacity	liter	170
	Machine dimensions(L x W x H)	m	.9 x 1.1 x 1.
	Machine weight	t	2.8

JM 88



ITEM	UNIT	JM 88
Screw diameter	mm	36
Screw rotation speed(Max)	rmp	200
Shot weight	g	120
Injection pressure	Mpa	140
Swept volume	cm^3	100
Pump motor power	kw	11
Clamping force	KN	980
Mold opening stroke	mm	360
Machine dimensions(L x W x H)	m	.4 x 1.1 x 1.
Machine weight	t	2.7

JM 98

ITEM	UNIT	JM 98
Injection weight	g	144
Injection volume	cm^3	158
Melting distance	mm	155
Die opening stroke	mm	320
Guide post inner distance (L×V)	mm	360×360
Template size (L×V)	mm	541×630
Bulk modulus	mm	125-380
Power	kw	17.5
Full load current	A	30
Fuselage weight	t	2.8
Quick clamp die		
Screw die		Yes
Setting plate thickness	mm	35+0.5
Template maximum distance	mm	700
Outside diameter of cooling water pipe	mm	10
Nozzle aperture	mm	3
Nozzle sphere	mm	R15
Oil pressure thimble stroke	mm	100
Core nozzle aperture	mm	M16
Shipping dimension	m	3.5×1.1×1.6
machine weight	t	3.5

JM 128

ITEM	UNIT	JM 128
Injection weight	g	255
Injection volume	cm^3	283
Screw die/mm	mm	46
Screw Stroke/mm	mm	170
Screw Speed Range	rpm	10-200
Plasticizing Capacity	kg/hr	100
Nozzle Travel Stroke	mm	280
Clamping Force	Mp	128
Opening Stroke	mm	305
Space Between Tie Bars	mm	410×360
Mould thickness(Min-Max)	mm	175-400
Maximum Daylight	mm	705
Hydraulic Ejector Force	Mp	3.4
Hydraulic Ejector Stroke	mm	100
mould register hole	mm	100
pump motor	kw(hp)	15(20)
heating capacity	kw	13.4
system presssure	kfg./cm²	175
no.of temp. control zone		3+1
shipping dimension	m	4.7×1.1×1.6
machine weight	t	3.8
Dry Cycle Time	sec.	1.3

EM 150

ITEM	UNIT	EM 150
Swept volume	cm^3	332
Shot weight	g	305
Screw diameter	mm	46
Injection pressure(Max)	Kgf/cm^2	1622
Screw L/D ratio	mm	20
Screw stoke	mm	200
Screw rotation speed(Max)	rpm	200
Moulding clamping force(Max)	t	150
Opening stroke	mm	410
Space between tie bars(H X V)	mm	455 x 425
Maximum Daylight	mm	860
Mould thickness(Min-Max)	mm	160-450
Ejector stroke	mm	100
Ejector force(Max)	t	4.2
System pressure	Kgf/cm^2	178
Pump motor power	kw	11
Heating capacity	kw	9.7
Temperature control zones		3+Nozzle
Dry cycle time	s	2.4
Oil tank capacity / liter	liter	275
Machine dimensions(L x W x H)	m	.7 x 1.2 x 1.
Machine weight	t	4.5

ITEM	UNIT	JM 168
Injection weight	g	396
Injection volume	cm^3	435

JM 168

Screw die	mm	52
Screw Stroke	mm	205
Screw Speed Range	rpm	10-150
Plasticizing Capacity	kg/hr	110
Nozzle Travel Stroke	mm	300
Clamping Force	Mp	168
Opening Stroke	mm	350
Space Between Tie Bars	mm	460×410
Mould thickness(Min-Max)	mm	220-450
Maximum Daylight	mm	800
Hydraulic Ejector Force	Mp	4.5
Hydraulic Ejector Stroke	mm	100
mould register hole	mm	120
pump motor	kw(hp)	18.75(25)
heating capacity	kw	16
system presssure	Kgf/cm²	145
no.of temp. control zone		3+1
shipping dimension	m	5×1.2×1.6
machine weight	t	4.7
Dry Cycle Time	sec.	1.6

JM 218

ITEM	UNIT	JM 218
Clamp stroke/mm	mm	405
Platen midension (AH×AV)	mm	785×735
Tie bar diatance(BH×BV)	mm	510×460
Tie bar diameter	mm	90
Mold height(Min-Max)	mm	225-500
Location ring diameter	mm	120
Nozzle radius(G)	mm	18
Machine screw diameter	mm	52
Injection volume	cm³	499.1
Injection weight	g	453
Injection pressure	bar	99
Ejector stroke	mm	100
Power	kw	37.6
Screw stroke	mm	235
Shipping dimension	m	5×1.55×1.9
Machine weight	t	6.3

ITEM	UNIT	JM 268
Injection weight	g	715
Injection volume	cm³	777
Melting distance	mm	275
Die opening stroke	mm	530

JM 268

Guide post inner distance (L×V)	mm	560×560
Template size (L×V)	mm	840×840
Bulk modulus	mm	195-600
Power	kw	47.7
Full load current	A	87
Fuselage weight	t	8
Quick clamp die		
Screw die		Yes
Setting plate thickness	mm	40+0.5
Template maximum distance	mm	1135
Nozzle aperture	mm	4
Nozzle sphere	mm	R10
Oil pressure thimble stroke	mm	180
Outside diameter of cooling water pipe	mm	10
shipping dimension	m	.2×1.67×2.
Machine weight	t	8.9

JM 328

ITEM	UNIT	JM 328
Injection weight	g	1038
Injection volume	cm^3	1128
Melting distance	mm	320
Die opening stroke	mm	600
Guide post inner distance(L×V)	mm	660×660
Template size(L×V)	mm	940×940
Bulk modulus	mm	220-660
Power	kw	50
Full load current	A	85
Fuselage weight	t	10.6
Quick clamp die		
Screw die		Yes
Setting plate thickness	mm	40+0.5
Template maximum distance	mm	1260
Nozzle aperture	mm	4
Nozzle sphere	mm	R10
Oil pressure thimble stroke	mm	180
Outside diameter of cooling water pipe	mm	10
shipping dimension	m	6.8×1.3×2.1
Machine weight	t	10.6

JM 368

ITEM	UNIT	JM 368
Injection weight	g	1126
Swept volume	cm^3	1237
Screw diameter	mm	75
Screw stroke	mm	280
Screw speed range	rmp	200
Injection pressure	Mpa	140

Motor Power	kw	38
Die opening stroke	mm	720
Space Between Tie Bar	mm	720 x 720
Machine weight	t	14.2
Shipping dimension	m	8×1.76×2.0

EM 400

ITEM	UNIT	EM 400
Swept volume	cm^3	1524
Shot weight	g	1402
Screw diameter	mm	75
Injection pressure(Max)	Kgf/cm^2	1765
Screw L/D ratio	mm	21
Screw stoke	mm	345
Screw rotation speed(Max)	rpm	150
Moulding clamping force(Max)	t	400
Opening stroke	mm	670
Space between tie bars(H X V)	mm	730 x 730
Maximum Daylight	mm	1420
Mould thickness(Min-Max)	mm	250-750
Ejector stroke	mm	215
Ejector force(Max)	t	11.1
System pressure	cm^2	178
Pump motor power	kw	35
Heating capacity	kw	21.6
Temperature control zones		5+Nzoole
Dry cycle time	s	3.5
Oil tank capacity	liter	600
Machine dimensions(L x W x H)	m	.6 x 1.7 x 2.
Machine weight	t	14

EM 480

ITEM	UNIT	EM 480
Swept volume	cm^3	2164
Shot weight	g	1990
Screw diameter	mm	83
Injection pressure(Max)	Kgf/cm^2	1734
Screw L/D ratio	mm	21
Screw stoke	mm	400
Screw rotation speed(Max)	rpm	165
Moulding clamping force(Max)	t	480
Opening stroke	mm	770

Space between tie bars(H X V)	mm	810 x 810
Maximum Daylight	mm	1590
Mould thickness(Min-Max)	mm	275-820
Ejector stroke	mm	250
Ejector force(Max)	t	11.1
System pressure	Kgf/cm²	178
Pump motor power	kw	45
Heating capacity	kw	30
Temperature control zones		5+Nozzle
Dry cycle time	s	3.8
Oil tank capacity	liter	800
Machine dimensions(L x W x H)	m	.5 x 1.9 x 2.
Machine weight	t	18

EM 488

ITEM	UNIT	EM 488
Injection weight	g	1990
Injection volume	cm³	2164
Melting distance	mm	400
Die opening stroke	mm	770
Guide post inner distance(L×V)	mm	810×810
Template size(L×V)	mm	1180×1180
Bulk modulus	mm	275-820
Power	kw	75
Full load current	A	125
Machine weight	t	18
Quick clamp die		Yes
Screw die		Yes
		650
Setting plate thickness	mm	40+0.5
Template maximum distance	mm	1590
Core nozzle aperture	mm	M16
Nozzle aperture	mm	4
Nozzle sphere	mm	R10
Oil pressure thimble stroke	mm	250
Outside diameter of cooling water pipe	mm	10
shipping dimension	m	8.5×1.9×2.3