

LAMPIRAN

A. SPESIFIKASI MESIN PEMIPIL JAGUNG

NO.	SPESIFIKASI MESIN PEMIPIL JAGUNG
1.	Kapasitas Input (Q) = 350 kg/jam
2.	Motor Penggerak = Motor Bensin 4 Tak (OHV)
3.	Torsi Pisau Pemipil = 33,61 Nm
4.	Daya (P) = 5,5 Hp
5.	Putaran maksimal = 3600 rpm
6.	Putaran pisau pemipil = 1000 rpm

B. PERINCIAN BIAYA FABRIKASI ALAT PEMIPIL JAGUNG

No	Macam Pengeluaran	Harga per	Jumlah	Harga (Rp)
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		Satuan (Rp)		
a. Harga Material				
1.	Motor bensin 5.5 HP	1.400.000	1	1.400.000
2.	Besi Siku 40 x 40	185.000	2	370.000
3.	Besi Hollow 40x 40 x x 1.6 mm	175.000	2	350.000
4.	Besi UNP 50 x 40 x 5 mm	285.000	2	570.000
5.	Besi Beton Dia 10 mm	75.000	2	150.000
6.	AS ST 40 Dia 1 inch	220.000	1	220.000
7.	Pillow Blosk UCP 205	75.000	2	150.000
8.	Mur Baut 5/8 inch x 2 inch	12.500	4	50.000
9.	Engsel Bubut Dia 1 inch	17.500	2	35.000
10.	Plat Mild steel plate thk 1.2 mm	375.000	1	375.000
11.	Primary Coating	125.000	1	125.000
12.	Cat Hammertone Medium Green	75.000	1	75.000
13.	Thinner	17.000	4	68.000
14.	Pipa Dia 4 inch SCH 10	250.000	1	250.000
15.	Bubut Flens Roll Dia 4 inch	175.000	1	175.000
16.	Gerinda/kawat las	150.000	1	150.000
b. Biaya Manufactur				
17.	Biaya las	500.000		500.000
18.	Biaya transportasi	550.000		550.000
19.	Biaya cat dan fabrikasi	450.000		450.000
Jumlah Total Biaya (Enam Juta Tiga Belas Ribu Rupiah)				6.013.000

NB : Dana ini ditanggung oleh satu kelompok

C. TABEL PULLEY V TIPE A

D (mm)	α (°)	t (mm)	a (mm)
65 – 100	34	12	12
101 – 125	36	12	12
126 >	38	12	12

<http://gambarteknik.blogspot.com>

D. TABEL PULLEY V TIPE B

D (mm)	α (°)	t (mm)	a (mm)
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115 – 160	34	15	16/19
161 – 200	36	15	16/19
201>	38	15	16/19

<http://gambar teknik.blogspot.com>

E. TABEL PULLEY V TIPE C

D (mm)	α (°)	t (mm)	a (mm)
175 – 250	34	19	20/23
251 – 315	36	19	20/23
316>	38	19	20/23

<http://gambar teknik.blogspot.com>

F. TABEL PULLEY V TIPE D

D (mm)	α (°)	t (mm)	a (mm)
300 – 450	36	25	30
451>	38	25	30

G. TABEL PULLEY V TIPE 3V/9N/9J

D (mm)	α (°)	t (mm)	a (mm)
67 – 90	36	10	8
91 – 150	38	10	8
151 – 305	40	10	8
306>	42	10	8

Sumber : <http://gambar teknik.blogspot.com>

H. TABEL PULLEY V TIPE 5V/15N/15J

D (mm)	α (°)	t (mm)	a (mm)
180 – 255	38	15	14
256 – 405	40	15	14
406 >	42	15	14

Sumber : <http://gambar teknik.blogspot.com>

I. TABEL PULLEY V TIPE 8V/25N/25J

D (mm)	α (°)	t (mm)	a (mm)
315 – 405	38	25	23
406 – 570	40	25	23
571 >	42	25	23

Sumber : <http://gambar teknik.blogspot.com>

J. Tabel Tipe V-belt

Type of belt	Power ranges in kW	Minimum pitch diameter of pulley (D) mm
A	0.7 – 3.5	75
B	2 – 15	125
C	7.5 – 75	200
D	20 – 150	355
E	30 – 350	500

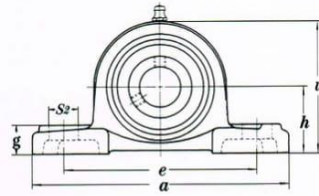
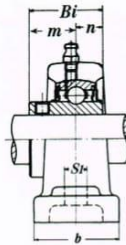
Sumber : A Textbook of Machine Design. CH-20 V-belt, Hal 729

K. Tabel Ukuran pillow blok ball bearing

Pillow Block Ball Bearings



UCP 200 (normal-duty)



Unit No.	Shaft Dia d (mm)	Dimensions(mm)											Bolt Used (mm)	Bearing No.	Housing No.	Weight (kg)	Covers (mm) t
		h	a	e	b	S2	S1	g	w	Bi	n	m					
UCP 201	12													UC 201			
201-8														201-8			
202	15	30.2	127	95	38	19	13	13	60	31.0	12.7	18.3	10	UC 202	P202	0.61	44
202-10														202-10			
203	17													203			
UCP 204-12	20	33.3	127	95	38	19	13	15	64	31.0	12.7	18.3	10	UC 204-12	P204	0.66	44
204														204			
UCP 205-14	25	36.5	140	105	38	19	13	16	71	34.0	14.3	19.7	10	UC 205-14	P205	0.8	48
205-15														205-15			
205														205			
205-16														205-16			
UCP 206-18	30	42.9	165	121	48	21	17	18	84	38.1	15.9	22.2	14	UC 206-18	P206	1.3	52
206														206			
206-19														206-19			
206-20														206-20			
UCP 207-20	35	47.6	167	127	48	21	17	19	93	42.9	17.5	25.4	14	UC 207-20	P207	1.6	59
207-21														207-21			
207-22														207-22			
207														207			
207-23														207-23			
UCP 208-24	40	49.2	184	137	54	22	17	19	98	49.2	19.0	30.2	14	UC 208-24	P208	2.0	68
208-25														208-25			
208														208			
UCP 209-26	45	54.0	190	146	54	22	17	20	106	49.2	19	30.2	14	UC 209-26	P209	2.2	68
209-27														209-27			
209-28														209-28			
209														209			
UCP 210-30	50	57.2	206	159	60	25	20	22	113	51.6	19.0	32.6	16	UC 210-30	P210	2.9	73
210-31														210-31			
210														210			
UCP 211-32	55	63.5	219	171	60	25	20	22	125	55.6	22.2	33.4	16	UC 211-32	P211	3.6	75
211-34														211-34			
211														211			
211-35														211-35			
UCP 212-36	60	69.8	241	184	70	25	20	25	138	65.1	25.4	39.7	16	UC 212-36	P212	4.9	88
212														212			
212-38														212-38			
212-39														212-39			
UCP 213-40	65	76.2	265	203	70	29	25	27	150	65.1	25.4	39.7	20	UC 213-40	P213	5.9	88
213														213			
UCP 214-44	70	79.4	266	210	72	31	25	27	156	74.6	30.2	44.4	20	UC 214-44	P214	6.8	98
214														214			
UCP 215	75	82.6	275	217	74	31	25	28	162	77.8	33.3	44.5	20	UC 215	P215	7.4	98
215-48														215-48			
UCP 216	80	88.9	292	232	78	31	25	30	174	82.6	33.3	49.3	20	UC 216	P216	9.0	108
UCP 217-52	85	95.2	310	247	83	31	25	32	185	85.7	34.1	51.6	20	UC 217-52	P217	10.8	112
217														217			
UCP 218-56	90	101.6	327	262	88	33	27	34	198	96.0	39.7	56.3	22	UC 218-56	P218	13.9	122
218														218			

Sumber : Sularso & Kiyokadsu Suga, 1990

L. Tabel Pasak menurut standar JIS

Ukuran nominal (b x h) mm	Ukuran pasak prismatis mm	C mm	L mm	h ₁ mm	h ₂ mm	Diameter mm
2 x 2	2	0,16- 0,25	6-20	1,2	1,0	6-8
3 x 3	3		6-36	1,8	1,4	8-10
4 x 4	4		8-48	2,5	1,8	10-12
5 x 5	5		10-56	3,0	2,3	12-17
6 x 6	6		14-70	3,5	2,8	17-22
7 x 7	7	0,25- 0,40	16- 80	4,0	3,0	20-25
8 x 7	7		18-90	4,0	3,3	22-30
10x 8	8		22-110	5,0	3,3	30-38
12 x 8	8		28-140	5,0	3,3	38-44
14 x 9	9		36-160	5,5	3,8	44-50
14 x 10	10	0,40- 0,60	40-180	5,0	5,0	50-55
16 x 10	10		45-180	6,0	4,3	50-58
18 x 11	11		50-200	7,0	4,4	58-65
20 x 12	12		56-220	7,5	4,9	65-75

22 x 14	14		63-250	9,0	5,4	75-85
24x16	16	0,60-0,80	70-280	8,0	8,0	80-90
25x14	14		70-280	9,0	5,4	85-95
28x16	16		80x320	10,0	6,4	95-110
32x18	18		90x360	11,0	7,4	110-130