TRABAD PRAICTI CO-ET-CADENAS

PREGUNTA &

Ms = ks Hrom.

El factor de servicio les se determina de la tabla 1 de la lejo en la papira 15.

Input Power: Electrical motor orterbrine.

Driver equipment: Conseyors (not an formly loaded or fed)

KS = 3

HS = 43. 15 HP = 19,5 HP

se obtiere el no sus: tonando en centa la restricció de un solo ranal, h potencia de selección y las ipm de la reda menor.

se obtiene all char + c (pag. 13) all antailogo. [ANSI 60]

PREGUNTA 2

Se determina = = = 21 (900 rpm; 20,9 HP, Tabla pap. 27: Ratings).

* Se pudo haber tomado 900 pm y 198 HP > 198 HP pero se busca.

que Zy sea impar. K. H. tab.

La Richarde corrección por nº de nonados. ijua la 1.

La lubricación es tipo. B"

El paso de dientes en el piñon y la corona ha de ser el mismo ejantal poso p de la cadera.

Lippo ha de ser. $\frac{Z_1}{TD_1} = \frac{Z_2}{TD_2} = \frac{D_1}{D_2} = \frac{D_2}{D_2} = \frac{1}{D_1}$

Luego: 72= KZ, = 900 rpm · 21 = 3,85×21= 80,4 - 72=80.

PREGUNA 3

$$d_{1} = \frac{P}{\delta N(\pi/2_{1})} = \frac{3/4''}{sin(\pi/2_{1})} = \frac{5.032''}{5.032''}$$

PREGUNTA 11
$$d_1 = \frac{P}{8M \cdot 180/21} = \frac{975''}{8M \cdot 180/21} = \frac{975''}{17} = \frac{4.082''}{17}$$

$$d_1 = \frac{103.67 \text{ mm.}}{100.000}$$

PREGUNTA 12.
$$dr = P = 0.75'' = 1576'' = 400,36 \text{ mm}$$

$$\sin\left(\frac{180}{72}\right) = \sin\left(\frac{180}{66}\right)$$

PREGUNTA 13 Adoptamos Cp= 40

$$Lp = 2Cp + \frac{2}{1+2} + \frac{(2z-2)^2}{4\pi^2Cp}$$

$$Lp = 2x40 + \frac{17+66}{2} + \frac{(66-17)^2}{4\pi^2x40} = 123,02.$$

para enter el uso del eslabor internedio imporenas una para enter el uso del eslabor internedio imporenas una para enter el uso del eslabor internedio imporenas una para enter el uso del eslabor internedio imporenas una para enter el uso del eslabor internedio imporenas una para enter el uso del eslabor internedio imporenas una para enter el uso del eslabor internedio imporenas una para enter el uso del eslabor internedio imporenas una para enter el uso del eslabor internedio imporenas una para el uso del eslabor internedio imporenas una para enter el uso del eslabor internedio imporenas una para el uso del eslabor internedio importante una para enternedio importante el uso del eslabor el eslabor

PREGUNTA 14.

PREGUNTA 15. Se determina lubricación tipo B. (ratings AUS: 60) con Poo spon y Z1 = 17.

PREGUNDA 16. | Z1 = 11(impar) | Patings Ausi 80 ks Hnon = 23.0 Hp.

Zz = 900 rpm. 21 = 42,13 - Adoptanos | Z2 = 42|

235 rpm

Ahora recien uno se porcata de que también debe ser de < 420mm. On esta limitación calcularios Ze maximo.

$$dz = \frac{P}{9n(180/z_2)}$$
 $-180/z_2 = \frac{180}{2}$ $\frac{180}{z_2} = \frac{180}{2}$

```
de la table de Patriogs-Alli 80 con 71 = 13 y rpm = 900 se observe
Utab = 291 HP _ = Wego. k1 = 1 (un sols ramal)
  Sin anbargo hay que notar meramente pue ora sufficiente con
 un piños Ude 1/1 dientes y una corona del 42 dientes y un ranal.
compliendase la imposición de de 2 420 mm.
PREGUNTA 17 (Se respondio en el ordisto anterior)
PREGUND 18. d1 = 1" = 4,18"= 100,14 mm.
                    Sin (180/13)
PREGUNA 19: d2 =
                      sh (180/50) = 15,98 = 404,52mm.
 PREGUNTA 20. tomanos nievamente 40 es labores.
  L_{p} = 2C_{p} + \frac{Z_{1} + Z_{2}}{2} + \frac{(Z_{2} - Z_{1})^{2}}{4\pi^{2}C_{p}} \cdot 2\times40 + \frac{13+50}{2} + \left(\frac{50-13}{4}\right)^{2} \cdot 2\times40
   Lp = 112,37 -> Lp = 112.
 PREGUNTAZI: Lp.xp= 112x1"= 112"= 2854, 12 mm
 PREGUNA 22. Se alternira de la labla ch Rahnos.
PREGUNTA 23: Hs = ks. Hnom = 1,6 x. 2kW = 3,2 kW = 97466W
              H2 = 4 29 HP
              Ausi Go (chart C- 100 rpm small sprocket-2 strands).
              P= 3/4"
 PREGNATA 24. La corocidad de la rueda chica ha ch ser entencep
     41 Htab > Mon 65 -> Htab > 1hom hs = 479 HP/1,7
    Htab > 2,52 HP.
    12,= 18 (100 rpm - Hlab= 260 HP) -> Pahnys. ANS 60.
   i = \frac{N_1}{n_2} = \frac{100 \text{ rpm}}{68 \text{ rpm}} = \frac{147}{12.201} = \frac{27.94}{12.201}
                                    72= 28.
```

```
PREGULTA 25: d= 0,75" = 456"= 115,74 mm
                   SÍN (180)
PREGUNTA 26: dz = 975" = 670" = 170,14 mm
                     SN (180.)
 PREGUMA 27 1 tomando Cp = 40.
 Lp= 2x40 + 19+28 + (28-19)2= 103,55 -> 104 ealabores
PREGULTA 28. PLP = 0,75" × 104 = 78" = 1981, 2 mm
 PREGUMT+ 29 Tipo A (Patings ANSI GO - 21= 19-100 pm).
 PREGUNA 30 Siporpo que lo puede prepurta es: Ciertes la
capacidad de transmission de potencia del mando.?.
Popue en si el mondo debe ser capaz de transmitir extruore potteraia del aquionamiento a la cinta y en ese sentido la
potercia al motar no cambia.
 Si se conserva todo pero se usar 3 ramales, entonces la apparcidad
de teremissoi del mondo es de: 2,5 x. 2,60 HP= 6,5 HP
                               ti -> factor por multiple strands.
                                           (3 stands)
Considerando entorces aderas el
  facto di sorico di 1,6.
  Sea Hon = 654P/26= 4,0625 HP
PREGINTA 31 Ks = 1,3 (Table 1- Input Power (electrical motor) - ball Hill).
 Hs=Hs Hnon = 30 Hp. 13 = 39 Hp (DNS) 100 (300 rpn-25tranck)
 P= 10" = 11/4"
 PREGUNTA 32, Mtas ks Hnon/k1 = 39 HP/47 = 22,94 Hp.
721= 15 (300 rpm-24, ZHP- Patings 2051 100)
 i= n/nz = 200 pm/120 pm = 2,5 -> == i= 37,5 -> == Se
```

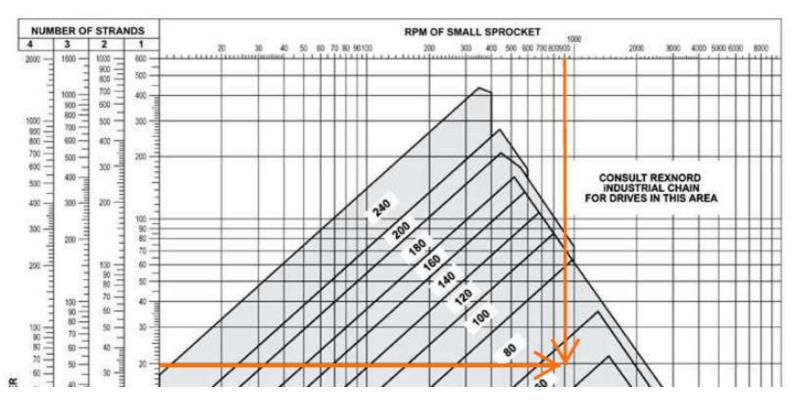
```
PERGUNTA 33: d, = 1 1/4" = 6,012" = 152,71 mm
                 8/1 (180)
PREGULA 34: dz = 1 /4" = 15, 14" = 384,48 mm
                  810 (180)
PREGUNTA35: Lp = 2x30 + 15+38 + (38-15)2 = 86,95
  Lp → 86 alabones.
PREGUNTA 36: POLP = 86x 1 /4" = 107,5" = 2730,5 mm.
 PREGUNTASA Tipo B (se ditermina de la table de Retinos ASI 100).
 PREGULTAZE. La potercia diselección si puesiendo di 39 HP
            ANSI 80 (58 HP-3 strands-300 rpm)
 PREGNATA 39. Htab > 39 HP/25. = 15,6 HP.
           Z1 = 19 (300 pm - 16,3 HP, ANSi 80 retrings)
i= 300/120 = 35 -> 72= 7 i= 47,5=72 -> [22=48]
 PREGUNTA 40 d, = 1" = 6,076" = 154,32mm
 PREGUNTA41 d2 = 1" = 1529" = 388,36 mm = 5in(180/48)
 PREGINAL LD= 2x30+ 19+48 + (48-19) = 9421
 Lp=94 eslabora.
  POEGUNTA 43: L= 94" = 2387,6 mm
  PREGUNTA 44. -> De de termino de la table de Patings pora
                   BUS180 (TIPB)
```

Table 1 Service factors

		Service factors	
Driven equipment	-	Input power	
211ton equipment	Internal combustion engine with hydraulic drive	Electric motor or turbine	Internal combustion engine with mechanical drive
Agitators, liquid stock	1.0	10	1.2
Beaters	1.2	1 <mark>3</mark>	1.4
Blowers, centrifugal	1.0	1 0	1.2
Boat propellers	1.4	1 5	1.7
Compressors			
centrifugal	1.2	1 3	1.4
reciprocating, 3 or more cylinders	1.2	1 3	1.4
reciprocating, singular, 2 cylinders	1.4	1 5	1.7
Conveyors		1/	
uniformly loaded or fed	1.0	V	1.2
not uniformly loaded or fed	1.2	(1.3)	1.4
reciprocating	1.4	1.5	1.7

Drive Engineering Chart

Chart C Trail selection of standard roller chains

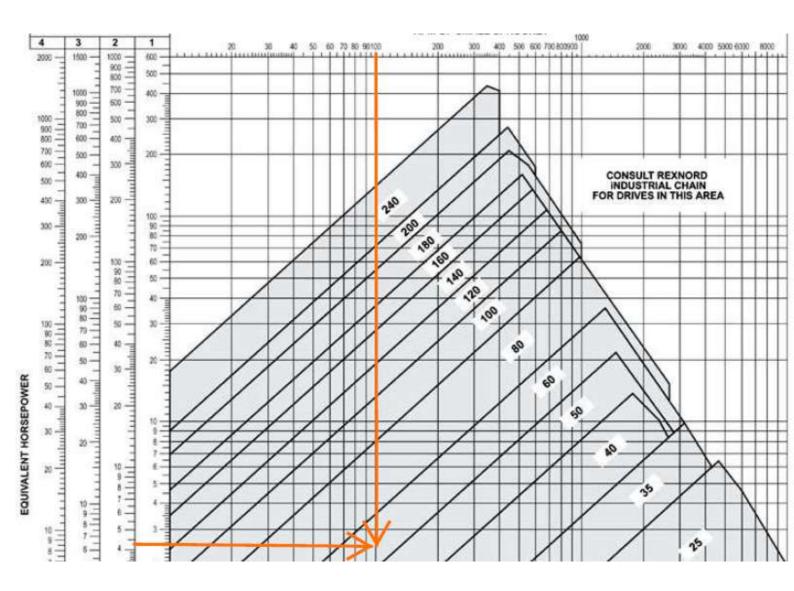


Number of	Maximum							l	Horse	oower	for sl	ngle s	trand	chaln	A		
teeth, in small	bore									RPI	/I of sm	of small sprocket					
sprocket	inches	25	50	100	200	300	500	700	900	1000	1100	1200	1400	1600	180		
11	1.250	0.41	0.77	1.44	2.69	3.87	6.13	8.30	10.4	11.4	12.5	11.9	9.4	7.70	6.4		
12	1.344	0.45	0.85	1.58	2.95	4.25	6.74	9.12	11 4	12.6	13.7	13.5	10.7	8.77	7.3		
13	1.500	0.50	0.92	1.73	3.22	4.64	7.34	9.94	12.5	13.7	14.9	15.2	12.1	9.89	8.2		
14	1.750	0.54	1.00	1.87	3.49	5.02	7.96	10.8	13 <mark>-</mark> 5	14.8	16.2	17.0	13.5	11.1	9.2		
15	1.938	0.58	1.08	2.01	3.76	5.41	8.57	11.6	14 <mark>-</mark> 5	16.0	17.4	18.8	15.0	12.3	10.		
16	2.125	0.62	1.16	2.16	4.03	5.80	9.19	12.4	15 <mark>6</mark>	17.1	18.7	20.2	16.5	13.5	11.3		
17	2.313	0.66	1.24	2.31	4.30	6.20	9.81	13.3	16 <mark>7</mark>	18.3	19.9	21.6	18.1	14.8	12.		
18	2.500	0.70	1.31	2.45	4.58	6.59	10.4	14.1	17 <mark>7</mark>	19.5	21.2	22.9	19.7	16.1	13.		
19	2.688	0.75	1.39	2.60	4.85	6.99	11.1	15.0	188/	20.6	22.5	24.3	21.4	17.5	14.0		
20	2.813	0.79	1.47	2.75	5.13	7.38	11.7	15.8	19 3	21.8	23.8	25.7	23.1	18.9	15.		
(21)	3.063	0.83	1.55	2.00	5.40	7.70	12.3	10.7	(20.9)	23.0	25.1	27.1	24.8	20.3	17.		
22	3.250	0.87	1.63	3.05	5.68	8.19	13.0	17.5	7.2.0	24.2	26.4	28.5	26.6	21.8	18.3		
23	3.438	0.92	1.71	3.19	5.96	8.59	13.6	18.4	23.1	25.4	27.7	29.9	28.4	23.3	19.		
24	3.625	0.96	1.79	3.35	6.24	8.99	14.2	19.7	24.2	26.6	29.0	31.3	30.3	24.8	20.8		
25	3.750	1.00	1.87	3.50	6.52	9.40	14.9	29.1	25.3	27.8	30.3	32.7	32.2	26.4	22.		
28	4.188	1.13	2.12	3.95	7.37	10.6	16.8	22.8	28.5	31.4	34.2	37.0	38.2	31.3	26.2		
30	4.500	1.22	2.28	4.26	7.94	11.4	18.1	24.5	30.8	33.8	36.8	39.8	42.4	34.7	29.		
32	4.750	1.31	2.45	4.56	8.52	12.3	19/4	26.3	33.0	36.3	39.5	42.7	46.7	38.2	32.		
35	5.500	1.44	2.69	5.03	9.38	13.5	21.4	29.0	36.3	39.9	43.5	47.1	53.4	43.7	36.		
40	6.250	1.67	3.11	5.81	10.8	15.6	24.7	33.5	42.0	46.1	50.3	54.4	62.5	53.4	44.		
Lubricatio	n tyne =		A .		-	В	5								(
Lubiloati	ii type =	ı '	•		,	ت			I						,		

Number of	Maximum_							ı	Horse	power	for sl	of small sprocket 100 1200 1400 1600 180 2.5 11.9 9.4 7.70 6.45 3.7 13.5 10.7 8.77 7.35								
teeth, in small	bore									10 4 11.4 12.5 11.9 9.4 7.70 6.4 11 4 12.6 13.7 13.5 10.7 8.77 7.3 12 5 13.7 14.9 15.2 12.1 9.89 8.2 13 5 14.8 16.2 17.0 13.5 11.1 9.2 14 5 16.0 17.4 18.8 15.0 12.3 10.3 15.6 17.1 18.7 20.2 16.5 13.5 11.3 16.7 18.3 19.9 21.6 18.1 14.8 12.4 77.7 19.5 21.2 22.9 19.7 16.1 13.5										
sprocket	inches	25	50	100	200	300	500	700	900	1000	1100	1200	1400	1600	1800					
11	1.250	0.41	0.77	1.44	2.69	3.87	6.13	8.30	104	11.4	12.5	11.9	9.4	7.70	6.45					
12	1.344	0.45	0.85	1.58	2.95	4.25	6.74	9.12	11 4	12.6	13.7	13.5	10.7	8.77	7.35					
13	1.500	0.50	0.92	1.73	3.22	4.64	7.34	9.94	12 5	13.7	14.9	15.2	12.1	9.89	8.29					
14	1.750	0.54	1.00	1.87	3.49	5.02	7.96	10.8	13 5	14.8	16.2	17.0	13.5	11.1	9.26					
15	1.938	0.58	1.08	2.01	3.76	5.41	8.57	11.6	14	16.0	17.4	18.8	15.0	12.3	10.3					
16	2.125	0.62	1.16	2.16	4.03	5.80	9.19	12.4	15.6	17.1	18.7	20.2	16.5	13.5	11.3					
(17)	2.313	0.00	1.24	2.01	4.00	0.20	0.81	40.9	(16.7)	18.3	19.9	21.6	18.1	14.8	12.4					
18	2.500	0.70	1.31	2.45	4.58	6.59	10.4	14.1	17.7	19.5	21.2	22.9	19.7	16.1	13.5					
19	2.688	0.75	1.39	2.60	4.85	6.99	11.1	15.0	18.8	20.6	22.5	24.3	21.4	17.5	14.6					
20	2.813	0.79	1.47	2.75	5.13	7.38	11.7	15.8	19.8	21.8	23.8	25.7	23.1	18.9	15.8					
21	3.063	0.83	1.55	2.90	5.40	7.78	12.3	16.7	20.9	23.0	25.1	27.1	24.8	20.3	17.0					
22	3.250	0.87	1.63	3.05	5.68	8.19	13.0	17.5	22.0	24.2	26.4	28.5	26.6	21.8	18.2					
23	3.438	0.92	1.71	3.19	5.96	8.59	13.6	18.4	23.1	25.4	27.7	29.9	28.4	23.3	19.5					
24	3.625	0.96	1.79	3.35	6.24	8.99	14.2	19.3	24.2	26.6	29.0	31.3	30.3	24.8	20.8					
25	3.750	1.00	1.87	3.50	6.52	9.40	14.9	20.1	25.3	27.8	30.3	32.7	32.2	26.4	22.1					
28	4.188	1.13	2.12	3.95	7.37	10.6	16.8	22.8	28.5	31.4	34.2	37.0	38.2	31.3	26.2					
30	4.500	1.22	2.28	4.26	7.94	11.4	18.1	24.5	30.8	33.8	36.8	39.8	42.4	34.7	29.1					
32	4.750	1.31	2.45	4.56	8.52	12.3	19.4	26.3	33.0	36.3	39.5	42.7	46.7	38.2	32.0					
35	5.500	1.44	2.69	5.03	9.38	13.5	21.4	29.0	36.3	39.9	43.5	47.1	53.4	43.7	36.6					
40	6.250	1.67	3.11	5.81	10.8	15.6	24.7	33.5	42.0	46.1	50.3	54.4	62.5	53.4	44.7					
Lubricatio	n type ■	-	4		(В	5								С					

Ratings

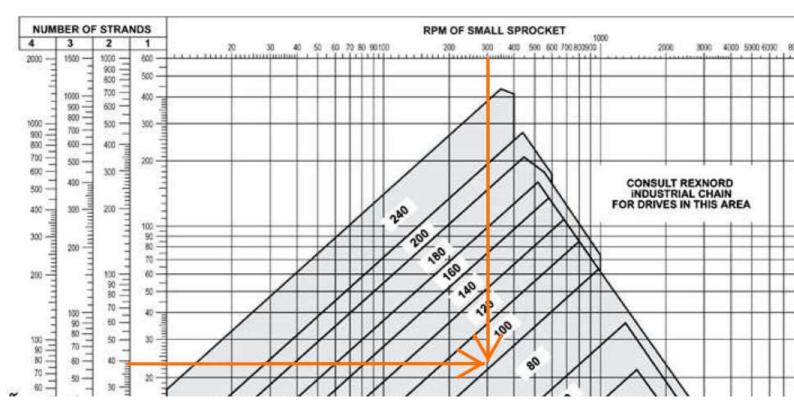
Number of	Maximum							F	lorse	power	for sl	ngle s	trand	chaln		
teeth, in small	bore									RPN	A of sn	nall spr	ocket			
sprocket	inches	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	20
(11)	1 625	0.07	1.80	3 36	6.28	0.04	11.7	1/1/3	10.1	23.0	19.6	14.9	11.8	9.69	8.12	6.
12	1.750	1.06	1.98	3.69	6.89	9.93	12.9	15.7	21.3	76.2	22.3	17.0	13.5	11.0	9.25	7.
13	2.000	1.16	2.16	4.03	7.52	10.8	14.0	17.1	23.2	29.1	25.2	19.2	15.2	12.5	10.4	8.
14	2.250	1.25	2.34	4.36	8.14	11.7	15.2	18.6	25.1	31.5	28.2	21.4	17.0	13.9	11.7	9.
15	2.563	1.35	2.52	4.70	8.77	12.6	16.4	20.0	27/1	34.0	31.2	23.8	18.9	15.4	12.9	11
16	2.875	1.45	2.70	5.04	9.41	13.5	17.6	21.5	29.0	36.4	34.4	26.2	20.8	17.0	14.2	12
17	3.125	1.55	2.88	5.38	10.0	14.5	18.7	22.9	31.0	38.9	37.7	28.7	22.7	18.6	15.6	13
18	3.375	1.64	3.07	5.72	10.7	15.4	19.9	24.4	33.0	41.4	41.1	31.2	24.8	20.3	17.0	14
19	3.688	1.74	3.25	6.07	11.3	16.3	21.1	25,5	35.0	43.8	44.5	33.9	26.9	22.0	18.4	15
20	3.813	1.84	3.44	6.41	12.0	17.2	22.3	27.3	37.0	46.3	48.1	36.6	29.0	23.8	19.9	17
21	4.125	1.94	3.62	6.76	12.6	18.2	23.5	28.8	39.0	48.9	51.7	39.4	31.2	25.6	21.4	18
22	4.438	2.04	3.81	7.11	13.3	19.1	24.8	30.3	41.0	51.4	55.5	42.2	33.5	27.4	23.0	19
23	4.625	2.14	4.00	7.46	13.9	20.1	26.0	31.8	43.0	53.9	59.3	45.1	35.8	29.3	24.6	21
24	4.688	2.24	4.19	7.81	14.6	21.0	27/2	33.2	45.0	56.4	62.0	48.1	38.2	31.2	26.2	22
25	4.750	2.34	4.37	8.16	15.2	21.9	28.4	34.7	47.0	59.0	64.8	51.1	40.6	33.2	27.8	23
28	5.375	2.65	4.94	9.23	17.2	24.8	32.1	39.3	53.2	66.7	73.3	60.6	48.1	39.4	33.0	28
30	5.750	2.85	5.33	9.94	18.5	26.7	34.6	42.3	57.3	71.8	78.9	67.2	53.3	43.6	36.6	31
32	6.313	3.06	5.71	10.7	19.9	28/6	37.1	45.4	61.4	77.0	84.6	74.0	58.7	48.1	40.3	34
35	7.750	3.37	6.29	11.7	21.9	31.6	40.9	50.0	67.6	84.8	93.3	84.7	67.2	55.0	46.1	39
40	9.375	3.89	7.27	13.6	25.3	26.4	47.2	57.7	78.1	99.01	108	103	82.1	67.2	56.3	48
Lubricatio	1	Α			В									С		



Ratings

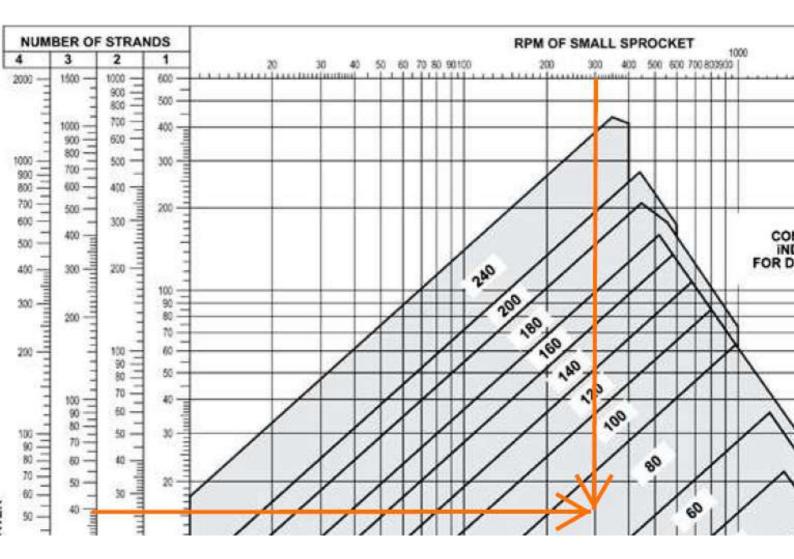
Number of	Maximum							Ī	Horse	power	for sl	ngle s	strand	cha
teeth, in small	bore									RPI	/ of sn	nall spr	rocket	
sprocket	inches	25	50	100	200	300	500	700	900	1000	1100	1200	1400	160
11	1.250	0.41	0.77	144	2.69	3.87	6.13	8.30	10.4	11.4	12.5	11.9	9.4	7.7
12	1.344	0.45	0.85	1 58	2.95	4.25	6.74	9.12	11.4	12.6	13.7	13.5	10.7	8.7
13	1.500	0.50	0.92	1 73	3.22	4.64	7.34	9.94	12.5	13.7	14.9	15.2	12.1	9.8
14	1.750	0.54	1.00	1.87	3.49	5.02	7.96	10.8	13.5	14.8	16.2	17.0	13.5	11.
15	1.938	0.58	1.08	2.01	3.76	5.41	8.57	11.6	14.5	16.0	17.4	18.8	15.0	12.
16	2.125	0.62	1.16	2.16	4.03	5.80	9.19	12.4	15.6	17.1	18.7	20.2	16.5	13.
17	2.313	0.66	1.24	2.3/	4.30	6.20	9.81	13.3	16.7	18.3	19.9	21.6	18.1	14.
18	2.500	0.70	1.31	2.45	4.58	6.59	10.4	14.1	17.7	19.5	21.2	22.9	19.7	16.
(19)	2.000	0.75	1,30	(2.60)	4.85	6.99	11.1	15.0	18.8	20.6	22.5	24.3	21.4	17.
20	2.813	0.79	1.47	2.75	5.13	7.38	11.7	15.8	19.8	21.8	23.8	25.7	23.1	18.
21	3.063	0.83	1.55	2.90	5.40	7.78	12.3	16.7	20.9	23.0	25.1	27.1	24.8	20.
22	3.250	0.87	1.63	3.05	5.68	8.19	13.0	17.5	22.0	24.2	26.4	28.5	26.6	21.
23	3.438	0.92	1.71	3.19	5.96	8.59	13.6	18.4	23.1	25.4	27.7	29.9	28.4	23.
24	3.625	0.96	1.79	3.35	6.24	8.99	14.2	19.3	24.2	26.6	29.0	31.3	30.3	24.
25	3.750	1.00	1.87	3.50	6.52	9.40	14.9	20.1	25.3	27.8	30.3	32.7	32.2	26.4
28	4.188	1.13	2.1	3.95	7.37	10.6	16.8	22.8	28.5	31.4	34.2	37.0	38.2	31.
30	4.500	1.22	2.28	4.26	7.94	11.4	18.1	24.5	30.8	33.8	36.8	39.8	42.4	34.
32	4.750	1.31	2 45	4.56	8.52	12.3	19.4	26.3	33.0	36.3	39.5	42.7	46.7	38.
35	5.500	1.44	2.69	5.03	9.38	13.5	21.4	29.0	36.3	39.9	43.5	47.1	53.4	43.
40	6.250	1.67	7.11	5.81	10.8	15.6	24.7	33.5	42.0	46.1	50.3	54.4	62.5	53.
Lubricatio	on type ■	C	A			В		2	1					

		Service factors
Driven equipment		Input power
Differ equipment	Internal combustion engine with hydraulic drive	Electric motor or turbine
Agitators, liquid stock	1.0	10
Beaters	1.2	1 3
Blowers, centrifugal	1.0	10
Boat propellers	1.4	1 5
Compressors		
centrifugal	1.2	1 3
reciprocating, 3 or more cylinders	1.2	1 3
reciprocating, singular, 2 cylinders	1.4	1 5
Conveyors	, - 1 Sp 2 %	
uniformly loaded or fed	1.0	10
not uniformly loaded or fed	1.2	1 3
reciprocating	1.4	1 5
Cookers, cereal	1.0	1 0
Crushers	1.4	1 5
Elevators, bucket		
uniformly loaded or fed	1.0	1 0
not uniformly loaded or fed	1.2	13
Fans, centrifugal	1.0	1 0
Feeders		\ /
rotary table	1.0	
apron, belt, screw, rotary vane	1.2	1.3
uthus_lateu	4.4	4.5



Ratings

Number of	Maximum							1	Horse	power	for sl	ngle s	trand	17.8 14 20.3 16 22.9 18 25.6 20 28.4 22 31.3 24 34.3 27 37.3 29 40.5 32 43.7 34 47.0 37 50.4 40 53.9 42 57.5 45 61.1 48 72.4 57 80.3 63	A
teeth, in small	bore									RPI	M of sn	nall spr	ocket		
sprocket	inches	25	50	100	200	300	400	500	600	700	800	900	1000	1200	1400
11	2.000	1.85	3.45	6.44	12.0	17.3	22.4	27.4	32.3	37.1	32.8	27.5	23.4	17.8	14.2
12	2.250	2.03	3.79	7.08	13.2	19.0	24.6	30.1	35.5	40.8	37.3	31.3	26.7	20.3	16.1
13	2.500	2.22	4.13	7.72	14.4	20.7	26.9	32.8	38.7	44.5	42.1	35.3	30.1	22.9	18.2
14	2.813	2.40	4.48	8.36	15.6	2 2.5	29.1	35.6	41.9	48.2	47.0	39.4	33.7	25.6	20.3
15	9.250	2.53	4.83	9.01	10.0	24.2	31.4	38.3	45.2	51.9	52.2	43.7	37.3	28.4	22.5
16	3.500	2.77	5.17	9.66	18.0	26.0	33.6	41.1	48.4	55.6	57.5	48.2	41.1	31.3	24.8
17	3.813	2.96	5.52	10.3	19.2	27.7	35.9	43.9	51.7	59.4	63.0	52.8	45.0	34.3	27.2
18	4.188	3.15	5.88	11.0	20.5	29.5	38.2	46.7	55.0	62.3	68.6	57.5	49.1	37.3	29.6
19	4.563	3.34	6.23	11.6	21.7	31.2	40.5	49.5	58.3	67.0	74.4	62.3	53.2	40.5	32.1
20	4.875	3.53	6.58	12.3	22.9	33.0	42.8	52.3	61.6	70.8	79.8	67.3	57.5	43.7	34.7
21	5.250	3.72	6.94	13.0	24.2	34.8	45.1	55.1	65.0	74.6	84.2	72.4	61.8	47.0	37.3
22	5.625	3.91	7.30	13.6	25.4	36.6	47.4	58.0	68.3	78.5	88.5	77.7	66.3	50.4	40.0
23	5.813	4.10	7.66	14.3	26.7	38.4	49.8	60.8	71.7	82.3	92.8	83.0	70.9	53.9	42.8
24	6.000	4.30	8.02	15.0	27.0	40.2	52.1	63.7	75.0	86.2	97.2	88.5	75.6	57.5	45.6
25	6.125	4.49	8.38	15.6	29 2	42.0	54.4	66.6	78.4	90.1	102	94.1	80.3	61.1	48.5
28	7.000	5.07	9.47	17.7	33.0	47.5	61.5	75.2	88.6	102	115	112	95.2	72.4	57.5
30	7.625	5.47	10.2	19.0	35.5	51.2	66.3	81.0	95.5	110	124	124	106	80.3	63.7
32	8.250	5.86	10.9	20.4	38.1	54.91	71.1	86.9	102	118	133	136	116	88.5	70.2
35	9.125	6.46	12.0	22.5	12.0	60.4	78.3	95.7	113	130	146	156	133	101	80.3
40	5	7.46	13.9	26.0	43.5	69.8	90.4	111	130	150	169	188	163	124	98.1
Lubricati	on type 🔳	Α			В									С	



Number of	Maximum							1	Horse	power	3.0 19.6 14.9 11.8 9.69 8.1 6.2 22.3 17.0 13.5 11.0 9.2 9.1 25.2 19.2 15.2 12.5 10 1.5 28.2 21.4 17.0 13.9 11 4.0 31.2 23.8 18.9 15.4 12 6.4 34.4 26.2 20.8 17.0 14 8.9 37.7 28.7 22.7 18.6 15 1.4 41.1 31.2 24.8 20.3 17 3.8 44.5 33.9 26.9 22.0 18						
teeth, in small	bore							RPM of small sprocket									
sprocket	inches	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	18		
11	1.625	0.97	1.80	3.36	6.28	9.04	11.7	14.3	19.4	23.0	19.6	14.9	11.8	9.69	8.1		
12	1.750	1.06	1.98	3.69	6.89	9.93	12.9	15.7	21.3	26.2	22.3	17.0	13.5	11.0	9.2		
13	2.000	1.16	2.16	4.03	7.52	10.8	14.0	17.1	23.2	29.1	25.2	19.2	15.2	12.5	10		
14	2.250	1.25	2.34	4.36	8.14	11.7	15.2	18.6	25.1	31.5	28.2	21.4	17.0	13.9	11		
15	2.563	1.35	2.52	4.70	8.77	12.6	16.4	20.0	27.1	34.0	31.2	23.8	18.9	15.4	12		
16	2.875	1.45	2.70	5.04	9.41	13.5	17.6	21.5	29.0	36.4	34.4	26.2	20.8	17.0	14		
17	3.125	1.55	2.88	5.38	10.0	14.5/	18.7	22.9	31.0	38.9	37.7	28.7	22.7	18.6	15		
18	3.375	1.64	3.07	5.72	10.7	1 4	19.9	24.4	33.0	41.4	41.1	31.2	24.8	20.3	17		
(19)	3.088	1.74	3.25	C.07	11.3	(16.3)	21.1	25.8	35.0	43.8	44.5	33.9	26.9	22.0	18		
20	3.813	1.84	3.44	6.41	12.0	1712	22.3	27.3	37.0	46.3	48.1	36.6	29.0	23.8	19		
21	4.125	1.94	3.62	6.76	12.6	18.2	23.5	28.8	39.0	48.9	51.7	39.4	31.2	25.6	21		
22	4.438	2.04	3.81	7.11	13.3	19.1	24.8	30.3	41.0	51.4	55.5	42.2	33.5	27.4	23		
23	4.625	2.14	4.00	7.46	13.9	20.1	26.0	31.8	43.0	53.9	59.3	45.1	35.8	29.3	24		
24	4.688	2.24	4.19	7.81	14.6	21.0	27.2	33.2	45.0	56.4	62.0	48.1	38.2	31.2	26		
25	4.750	2.34	4.37	8.16	15.2	21.9	28.4	34.7	47.0	59.0	64.8	51.1	40.6	33.2	27		
28	5.375	2.65	4.94	9.23	17.2	14.8	32.1	39.3	53.2	66.7	73.3	60.6	48.1	39.4	33		
30	5.750	2.85	5.33	9.94	18.5	26.7	34.6	42.3	57.3	71.8	78.9	67.2	53.3	43.6	36		
32	6.313	3.06	5.71	10.7	19.9	28.6	37.1	45.4	61.4	77.0	84.6	74.0	58.7	48.1	40		
35	7.750	3.37	6.29	11.7	21.9	37.6	40.9	50.0	67.6	84.8	93.3	84.7	67.2	55.0	46		
40	9.375	3.89	7.27	13.6	25.3	36.4	47.2	57.7	78.1	99.01	108	103	82.1	67.2	56		
Lubricatio	on type 		Α			B									С		