



# Drive Motor Wedge Banded Cogged V Belts

Technical Specifications

*Conforming IS 2494, 11038*



Estire libre Caucho V Correas

الخامس المطاط الا سد تظالة أحزمة لا

Étirez-libres V en caoutchouc Courroies

**HIC**  
**UNIVERSAL**  
True Performance Rubbers





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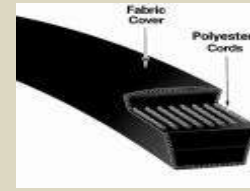
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## Specification of V Belts

Classified under HS Code 4010



Universal V Belts ensures non-stop power transmission of electric motors drive with minimal stretch and anti-static oil-heat resistant quality, in a way, cords used are high tenacity polyester, jacket fabric rubberised with neoprene rubber and supersedes IS:2494, DIN 7753, BS 3790, IS 11038, DIN 2215, RMA IP 22, ISO 4184, ISO 5290 quality standards.

**FRAS** V belts produced of fire resistant and anti-static grade belt for fire hazardous drives in coal mines and sensitive petrochemical installations complying to quality standards **EN 853 2ST**, ISO 1436.

**Static conductive** to **ISO 1813** quality of HIC Universal V-belts characteristics makes power transmission equipment manufacturers preferred selection world over, as belts shall not self-ignite under extreme slip or stall state.

### About HIC

HIC International Co Inc, formed in 1988 manufacturing industrial **rubber and steel** products **ISO 9001** certified producer of Power Transmission v-belt sheave drive coupling, **Conveyor belt idler pulley**, **Hydraulic** hose valve, **Safety** rubber sheet mat quality exporters of HIC **Universal brand** to industrial **traders distributors** of USA, Australia, UAE, Singapore, China, South Africa, UK, Germany, Taiwan having manufacturing factories in Delhi and Ghaziabad UP of India.

**Total Quality Management principles are followed and True Performance is thus assured.**



## Why HIC Universal Rubber V Belts?



### Superior Power Rating

Polyester or Aramid Cord Reinforced

### Superb Heat and Fatigue Resistant

Neoprene Jacketed

### Match Free

Sizes Eases Replacement and Fitment

### Super Flexing

to Withstand High Shock Loads

### Antistatic and Minimal Elongation

Drive Belt Solution

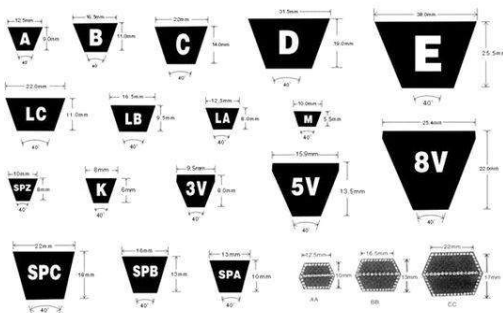
**Machinery drive motors effective power transmission achieved using polyester cord neoprene jacketed anti-static v belts made in India by HIC Universal.**

HIC Universal Banded v belts and cogged v-belts are Original Choice by industrial electric motors and textile ring frame manufacturers in India, Germany, Taiwan, China, Japan, South Korea, United States of America USA, Singapore, Canada, Australia, UK, South Africa, Russia, Uzbekistan, Philippines, Indonesia, Pakistan and other Asian countries.



## RANGE of V Belts

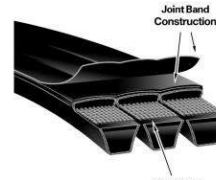
*Industrial Motors Drive HIC Power Transmission*



Classical, Wedge, Hex, Narrow V Belts Section Profile



Poly V Belt



Banded V Belt



FRAS V Belt Cogged Type

- ❖ Classical Sections A(13mm), B(17), C(22) up to 450 inches ; D(32),E(38) up to 600"; F(9.5), M(10), O(10), Z(10), K(8), FM(10.2) up to 150" ; 2L(6.5) , 3L(10) up to 50" ; 4L(13.2) up to 400".
- ❖ Wedge Space Saver sections SPZ(10), SPA(13), SPB(17) up to 490" ; SPC(22) up to 675".
- ❖ Double Hexagonal V Belts AA(12.7), BB(17), CC(22) up to 360".
- ❖ Narrow Size Hi-Power V Belts 3V(9.5), 5V(15.9), 8V(25.4) up to 470" ; 9N(9), 10N(10), 15N(15), 25N(25) up to 575".
- ❖ Raw Edge Cogged v belts AX(13), BX(17), CX(22) up to 120" ;3VX(9.5), 5VX(16.5) up to 70" ; XPZ(9.7), XPA(12.7), XPB(16.3),XPC(22) up to 120".
- ❖ Multiple Banded belts 2 to 6 bands cross sections RA(13), RB(17),RC(22), RD(32) up to 8890 mm.
- ❖ Narrow V Banded belts 2 to 8 bands sizes R3V(9.5), R5V(16.9),R8V(25.4), SPZ(10), SPA(13), SPB(17), SPC(22) up to 8000 mm.
- ❖ Poly V belts sizes 3PK, 4PK, 5PK, 6PK, 7PK, 8PK up to 2500 mm length.
- ❖ Wrapped and Cogged Combine Harvester belts 19X, 25X, 28X, 32X, 36X, 38X, 40X, 45X, 50X, 55X, 60X up to 4000 mm.
- ❖ Variable Speed Wrapped and Cogged belts sections HI(25), HJ(36),HK(40), HL(45), HM(50), HN(55) up to 180" ; VK(15), VM(20),VA(25), VB(31), VC(41), VD(52), VE(66), VF(76), VG(87) up to 105".



## Sizes of Classical V Belts Manufactured

### *HIC Industrial Fan & Motor Drive A, B, C, D, E, Z/M Section*

**Wrapped Classical V belts** are used by manufacturers of textile industries drive motors and centrifugal blower, compressors duty motors, diesel engines, industrial fan motors and portable crusher for power transmission drive for running at high speed over small diameter pulleys and short centre distances up to 500 HP drives.



Industrial v belt cross sections produced Z / M, A, B, C, D and E, top belt width and belt thickness MM 10 x 6,13 x 8, 17 x 11, 22 x 14, 32 x 19, 38 x 23, v belt Angle 40°, rubber vee belts up to 600 inch Li Inside length.

## Wedge Metric Belts Rigs and Centrifugal Pump Drive

### *SPZ, SPA, SPB, SPC Section Belts Produced By HIC*

**Wedge Metric wrapped v-belts** used by manufacturers of centrifugal pump, electric motors, rigs pumps, hammer crusher, industrial fan for pump motor industrial drive that transmits about 75 percent higher power than classical v belts.



Metric v-belt section sizes produced SPZ, SPA, SPB, SPC top belt-width and thickness MM 10 x 8, 13 x 10.5, 17 x 13.5, 22 x 18, v-belt Angle 40°, space-saving metric belts up to 12,500 mm Lp Pitch length.





## Classical Cogged Belt Agitator Turbine Motor Drive

### *AX, BX, CX Section Belts Produced By HIC*

Cogged raw edge friction belts used by manufacturers of agitator motor and turbine motor where drive runs with small pulley diameter at great speed and high operating temperature.

Industrial cogged v-belt Classical section sizes manufactured [AX](#), [BX](#), [CX](#) top belt width and belt thickness MM 13 x 8, 17 x 11, 22 x 14, v belt Angle 40°, cogged belts up to 120 inch Li Inside length.



## Narrow Cogged Belt Quarry Crusher Drive

### *3VX, 5VX Moulded Notch V belt Sizes Produced by HIC*

Molded Notch Cogged belt Narrow section used by manufacturers of rock crusher drive motors for heavy duty quarry mining machine power transmission.

Narrow cogged v-belt produced profile [3VX](#), [5VX](#) top width and thickness MM 9.5 x 8, 16.5 x 13.5, v-belt Angle 40°, cogged belts up to 90 inch La Outside length.





## Wedge Cogged Belt Reciprocating Compressor Drive

### *XPZ, XPA, XPB, XPC, FRAS Grade V belt Sizes Produced by HIC*

Raw edge Cogged belt Wedge profile used by manufacturers of reciprocating compressors, wooden board machines, oil mill machinery producer for round the clock 24 hours compressor drive belt run without slippage.

Wedge cogged belt produced in section XPZ, XPA, XPB, XPC top belt-width and thickness MM 9.7 x 8, 12.7x 10, 16.5x 13, 22 x 18, v-belt Angle 40°, cogged belts up to 3,000 mm Lp Pitch length.

Fire Resistant and Anti-static quality rubber v belts **FRAS** manufactured in raw edge cogged belts, wedge belts, narrow v belts, banded belt, and classical sections industrial vee belts.



## Narrow American Wedge Belt HVAC Equipment Drive

### *3V/9N, 5V/15N, 8V/25N Profile Sizes Produced by HIC*

Narrow V belts are used by manufacturers of HVAC equipment, mobile aggregate crusher, quartz crusher, wood chipper power transmission motor, induction motors by virtue of space saving design requiring few belts to transmit load effectively for running at high speed having greater tensile strength than conventional classical v-belts and ideal for clutching drive use.

Narrow Ultra v belt heavy duty manufactured in cross sections 3V / 9N, 5V / 15N, and 8V / 25N, top belt width and belt thickness MM 9.5 x 8, 15.9 x 13.5, 25.4 x 22.2, v belt Angle 40°, American wedge belts up to 500 inch La Outside length.



## Poly Vee Multi-Ribbed Automotive Belt

*3PK, 4PK, 5PK, 6PK, 7PK, 8PK Sizes Produced by HIC*

**Poly Vee belts** are used by manufacturers of automotive water pump, bus motor fan, heavy trucks, automotive engine, alternator, air conditioning compressor, passenger cars producer.

Serpentine belt produced up **to 8 ribs** in cross sections **3PK, 4PK, 5PK, 6PK, 7PK and 8PK** , top poly belt width and height MM 3.56 x 5, v belt Angle 40°, multi-ribbed belts up to 2500 mm **Lp Pitch** length.

**Micro V-belt or V-Ribbed belt** in sections **J, L, M** also produced.



## Double Angle Belt Rice Machinery Drive

*AA, BB, CC Hex Belts Produced by HIC*

**Double V belts** are used by manufacturers of rice mill machinery, industrial electric motor, belt conveyors, mixers, mobile coal crusher ideal for **drives having one or more reverse bends** that transmit power from both of the belt and where several pulleys in the same plane are to be driven in the clockwise and anti-clockwise direction simultaneously.

Hex Double Angle v belts manufactured in cross sections **AA, BB and CC** , double sided top belt width and hex belt thickness MM 13 x 10, 17 x 14, 22 x 17 , double v belt Angle 40°, hex v belts up to 360 inch **Li Inside** length.



## Banded Belt Compressor and Crusher Drive

*Multi-Belt RA RB RC RD, R3V R5V R8V, RSPZ RSPA RSPB RSPC Produced by HIC*

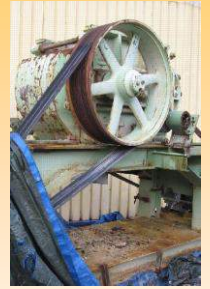
**Banded belts** wrapped multiple type are manufactured in Classical belt cross sections A, B, C, and D, Narrow belt cross sections 3V, 5V, and 8V And Metric cross sections SPA, SPB, SPC by joining 2 or more bands, maximum of 8 numbers multi belts in one tie-band used by manufacturers of rotary screw compressors, marble crusher, generator sets producer ideal for **drive where increased horsepower capacity is desired and to tolerate severe vibrations.**

**Multi-belt** also called banded belts used by manufacturers of double toggle jaw crushers, agricultural motors.

**Wrapped Banded classical v belt section** sizes produced **RA, RB, RC, RD** multi groove top belt width and belt thickness MM 13 x 10, 17 x 13, 22 x 16, 32 x 21.5, v belt Angle 40°, banded belts up to 355 inch **Li Inside length.**

**Banded v belt narrow profile** sizes produced **R3V, R5V, R8V** multi groove top belt width and belt thickness MM 9.5 x 10, 16 x 15.5, 25.4 x 25, v belt Angle 40°, banded belts up to 5080 part number equals to 508 inch **La Outside length.**

**Multi-belt banded wedge profile** sizes manufactured **RSPZ, RSPA, RSPB, RSPC** multi groove top belt width and belt thickness MM10 x 10, 13 x 12, 17 x 16, v belt Angle 40°, metric banded belts up to 7550 mm equals to 302 inch **Lp Pitch length.**



## FHP Belt Lawn Mower Drive

*FHP 2000, FHP 2L 3L 4L Farm V Belts Produced by HIC*

FHP V belts are actually lawn mower drive belts used by manufacturers of garden equipment, blowers, noise sensitive equipment, and agricultural motor, lawn equipment producer ideal as single belt drive to run with small diameter sheaves and back-side idler use on lawn mower drives of 1 hp motor or less.

Light duty Fractional horse power v belt manufactured in cross sections FHP 2000 series, FHP 2L, 3L and 4L, top belt width and belt thickness MM 10 x 6, 6.4 x 4, 9.5 x 6, 13 x 7.8, v belt Angle 40°, classical fractional horse-power garden and lawn mower v-belts up to 65 inch **La** Outside length.



## Order Quantity Minimums

*Inside Length, Outside Length, Pitch length of HIC V Belts Supplied*

Classical wrapped industrial v-belts Minimum order quantity Z, A, B, C, D, E respectively in each section size NUMBERS 50, 24, 25, 21, 15, 12.

Classical Cogged Industrial belts Minimum order quantity AX, BX, CX respectively in each cross section profile size NUMBERS 25, 20, 15.



Narrow Cogged belts Minimum order quantity 3VX, 5VX respectively in each section size NUMBERS 30, 20.

Wedge Cogged Heavy Duty Super Power Wedge belts Minimum order quantity [XPZ](#), [XPA](#), [XPB](#), [XPC](#) respectively in each section size NUMBERS [30](#), [28](#), [20](#), [15](#).

**FRAS**-Fire Resistant in any wrapped and cogged classical, wedge, narrow cross section belts size each, **FHP**-fractional horse-power Light duty v-belts Minimum order quantity respectively NUMBERS [100](#).

Quantity tolerance of -5, +10 numbers in each section size shall be deemed to be accepted by buyer, though endeavour shall be to supply exact ordered quantity of v-belts.

Metric v-belts Minimum order quantity [SPZ](#), [SPA](#), [SPB](#), [SPC](#) respectively in each section size NUMBERS [25](#), [20](#), [18](#), [12](#).

Wedge wrapped High Performance narrow belts Minimum order quantity [3V/9N](#), [5V/15N](#), [8V/25N](#) respectively in each section size NUMBERS [50](#), [18](#), and [12](#).



Poly vee Ribbed Automotive Fan belts Minimum order quantity [3PK](#), [4PK](#), [5PK](#), [6PK](#), [7PK](#), [8PK](#) respectively in each section size NUMBERS [18](#).

Double angled Hex v-belts Minimum order quantity [AA](#), [BB](#), [CC](#) respectively in each hex section size NUMBERS [20](#), [15](#), [12](#).

Banded v-belts Multi groove type Minimum order quantity [RA](#), [RB](#), [RC](#), [RD](#) respectively in each section size NUMBERS [6](#).

Banded Narrow width Compact belts Minimum order quantity [R3V](#), [R5V](#), [R8V](#) respectively in each section size NUMBERS [12](#).

Banded wrapped v-belts Minimum order quantity [RSPZ](#), [RSPA](#), [RSPB](#), [RSPC](#) respectively in each section size NUMBERS [12](#).

FHP, fractional horse-power Light duty lawn mower v-belts Minimum order quantity 2000 series, [FHP 2L](#), [FHP 3L](#), [FHP 4L](#) respectively in each section size NUMBERS [100](#), [60](#), [40](#), [30](#).

Packed in sea-worthy jute or HDPE bags, and, also in corrugated boxes for small sizes belts.

# Belt Pulley Diameter and Max Belt Speed



## V Belts Drive Tips

AX, BX, CX industrial raw edge cogged **Classical** belts pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 63, 90, 140. **Speed** of cogged classical-belts that can be driven is **maximum** (speed) m/s 50.

3VX, 5VX industrial raw edge cogged **Narrow** belts pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 112, 160. **speed** of cogged narrow-belts that can be operated is **maximum** m/s 40.

XPZ, XPA, XPB, XPC industrial raw edge cogged **Wedge** Metric Power belts pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 50, 63, 100, 160. **Speed** of cogged wedge-belts that can be driven is **maximum** m/s 50.

SPZ, SPA, SPB, SPC Wedge **Metric** industrial belts pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 63, 90, 140, 224. **Speed** of wedge-belts that can be run is **maximum** m/s 40.

RA, RB, RC, RD Banded Wrapped **Classical** industrial belts pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 85, 118, 190, 355. **Speed** of banded multi-belts that can be driven is **maximum** m/s 30.

R3V, R5V, R8V Banded Wrapped **Narrow** industrial belts pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 75, 160, 315. **Speed** of banded narrow-belts that can be driven is **maximum** m/s 30.

RSPZ, RSPA, RSPB, RSPC Banded Wrapped **Wedge** industrial pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 75, 100, 160, 250. **Speed** of banded



wedge-belts that can be operated is **maximum** m/s 30.

**Z, A, B, C, D, E Classical** v belts pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 45, 75, 112, 180, 315, 450. **Speed** of v friction classical-belts that can be run is **maximum** m/s 30.

**3V/9N, 5V/15N, 8V/25N Narrow v** wedge pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 63, 140, 335. **Speed** of narrow wedge belts that can be operated is **maximum** m/s 40.

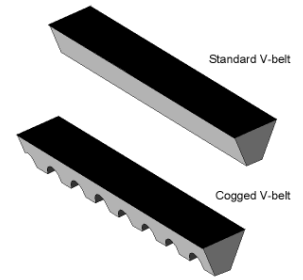
**AA, BB, CC Hexagonal double** v pulley diameter used be selected as recommended, permissible drive belt respective **minimum** pitch circle diameter **PCD** diam MM 80, 125, 224. **Speed** of twin-power double belts that can be driven is **maximum** (speed) m/s 30.





## Nomenclature of V Belts

### Cross Section Profile and Length Sizes: Technical Data



Classical V-Belt: Technical Data									
Section	8	Z/M	A	B	20	C	25	D	E
Top Width (mm)	8.0	10	13	17	20	22	25	32	38
Thickness (mm)	5.0	6.0	8.0	11.0	12.5	14.0	16.0	19.0	23.0
Angle (°)	40	40	40	40	40	40	40	40	40
Size-Range (mm)	350/1200	350/3800	380/8500	480/1400	1600/5000	800/14000	1600/12500	1120/15200	3550/17750

Wedge V-Belts: Technical Data					
Section	SPZ	SPA	SPB	19	SPC
Top Width (mm)	10	13	17	19	22
Thickness (mm)	8.0	10	14	15	18
Angle (°)	40	40	40	40	40
Size-Range (mm)	380/3550	750/4500	1250/10,000	1800/8000	2000/12500

Narrow V-Belt: Technical Data			
Section	3V	5V	8V
Top Width (mm)	9.7	15.8	25.4
Thickness (mm)	8.0	13.5	23.0
Angle(°)	40	40	40
Size-Range (mm)	380/3550	1950/10000	1750/12500

Auto Cogged Belt: Technical Data		
Section	AVX10	AVX13
Top Width (mm)	9.5	12.5
Thickness (mm)	8.0	10.0
Angle (°)	40	40
Size-Range (mm)	380 / 3500	750 / 4500



Industrial Cogged Belt (Classical Section): Technical Data							
Section	Dimensions		Angle (Deg)	Range		Min. Rec. Pulley dia. De (mm)	Nominal Lenth (Inches)
	Top Width (mm)	Thickness (mm)		Min (Inches)	Max (Inches)		
ZX	10	6	36	23	200	40	Inside Lenth in Inches
AX	13	8	36	22	200	60	
BX	17	11	36	21	200	100	
CX	22	14	36	21	200	160	

Industrial Cogged Belt (Narrow Section) : Technical Data							
Section	Dimensions		Angle (Deg)	Range		Min. Rec. Pulley dia. De (mm)	Nominal Lenth (Inches)
	Top Width (mm)	Thickness (mm)		Min (Inches)	Max (Inches)		
3VX	9.7	8.0	36	24	202	54	Belt No. ÷ 10 = Outside Lenth
5VX	16.0	14.0	36	24	203	112	
8VX	25.0	23.0	36	24	200	254	

### Industrial Cogged Belt (Wedge Section) : Technical Data

Section	Dimensions		Angle (Deg)	Range		Min. Rec. Pulley dia. De (mm)	Nominal Lenth (Inches)
	Top Width (mm)	Thickness (mm)		Min (Inches)	Max (Inches)		
XPZ	10	8	36	590	5117	54	Pitch Length Lp in mm
XPA	13	10	36	590	5125	80	
XPB	17	14	36	600	5140	128	
XPC	22	18	36	600	5163	180	



### Poly V-Belt: Technical Data

Section	Dimensions		Max Belt Speed (m/sec)	Range		Min. Rec. Pulley dia. De (mm)	Nominal Length
	Top Width (mm)	Thickness (mm)		Min (mm)	Max (mm)		
PH	2.90	1.60	60	600	2600	13	Effective Length (Le)
PJ	3.80	2.34	60	600	2600	20	
PK	5.80	3.56	60	600	2600	50	
PL	7.60	4.70	60	600	2600	75	
PM	13.30	9.40	60	600	2600	180	



### Hexagonal (Notch) V-Belt: Technical Data

Section	AA	BB	CC
Top Width (mm)	13	17	22
Thickness (mm)	10	14	17
Angle(°)	40	40	40
Size-Range (mm)	1750 / 6000	1750 / 6000	1750 / 6000

### Plain: Technical Data

Section	Dimensions		Angle (Deg)	Range		Min. Rec. Pulley dia. De (mm)	Pitch Between Two Belts (e) mm
	Top Width (mm)	Thickness (mm)		Min (mm)	Max (mm)		
HA	13.0	10.0	40	838 Li	7112	80 de	15.9
HB	17.0	13.0	40	1041Li	12700	130 de	19.0
HC	22.0	16.0	40	1168 LI	16713	210 de	25.5
HD	32.0	21.5	40	2286 Li	16713	370 de	37.0
HE	38.0	27.0	40	2286 Li	16713	500 de	44.5
HSPZ	10.0	10.0	40	1168 Lp	9042	67 dp	12.0
HSPA	13.0	12.0	40	914 Lp	3912	100 dp	15.0
HSPB	17.0	16.0	40	1778 Lp	9144	160 dp	19.0
HSPC	22.0	20.0	40	2235 Lp	16688	224 dp	25.5
H3V	9.7	10.0	40	851 La	4521	67 de	10.3
H5V	15.8	16.0	40	1219 La	9144	180 de	17.5
H8V	25.4	25.0	40	2489 La	16866	315 de	28.6



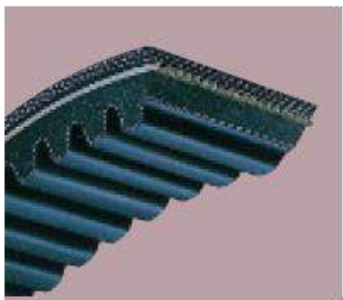
### Cogged: Technical Data

Section	Dimensions		Angle (Deg)	Range		Pitch Between Two Belts (e) mm
	Top Width (mm)	Thickness (mm)		Min (mm)	Max (mm)	
HAX	13.0	10.0	36	600 Li	2540	15.9
HBX	17.0	13.0	36	600 Li	2540	19.0
HCX	22.0	16.0	36	600 Li	2540	25.5
HXPZ	10.0	10.0	36	600 Li	2540	12.0
HXPA	13.0	12.0	36	600 Lp	2540	15.0
HXPB	17.0	16.0	36	600 Lp	2540	19.0
HXPC	22.0	20.0	36	600 Lp	2540	25.5
H3VX	9.7	10.0	36	600 La	2540	10.3
H5VX	15.8	16.0	36	600 La	2540	17.5
HAVX-10	10.0	8.0	36	600 La	2540	12.6
HAVX-13	13.0	10.0	36	600 La	2540	16.0



### Harvester Combine Belt (Plain & Cogged) : Technical Data

Section	55	50	45	40	40	38	36	32	28	25
Top Width (mm)	55	50	45	40	40	38	36	32	28	25
Thickness (mm)	22	22	20	20	18	18	14	15	13	13
Angle (°)	30	30	30	30	30	30	30	30	30	30
Length (mm)	1800 / 4000	1800 / 4100	1800 / 4500	1800 / 4500	1750 / 4500	1800 / 4000	1100 / 4000	1700 / 4000	1700 / 4000	2400 / 6000



### Cogged Vari-Speed Belt: Technical Data

Section	19	25	32	36	38	40	45	50	55
Top Width (mm)	19	25	32	36	38	40	45	50	55
Thickness (mm)	11	13	16	14	18	20	20	20	22
Angle (°)	30	30	30	30	30	30	30	30	30

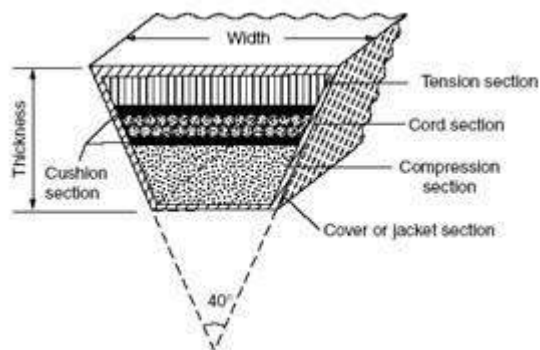


### Cable Cord Flat Belt: Technical Data

Section	30F	50F	75F	80F	100F	120F	130F	140F	150F
Top Width (mm)	30	50	75	80	100	120	130	140	150
Thickness (mm)	6	6	6	6	6	6	6	6	6
Size Range (mm)	1900 / 5000	1900 / 5000	1900 / 5000	1900 / 5000	1900 / 5000	1900 / 5000	1900 / 5000	1900 / 5000	1900 / 5000

## Cross Section

### Power Transmission V belt H. P. And Speed: Technical Specifications



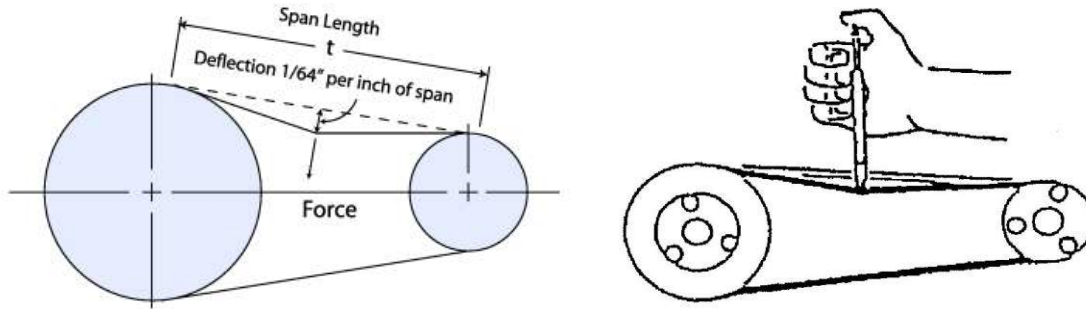
Normal Horse Power H.P.	Speed of Faster Shaft i.e. Motor Speed RPM			
	720 and below	900	1200	1800
½ to 1½	A	A	A	A
2 to 3	A or B	A or B	A or B	A or B
5	A or B	A or B	A or B	A or B
10	A or B	A or B	A or B	A or B
15	C	B or C	B or C	B
20	C	C	C	B or C
25 to 30	C	C	C	C
40	D	C or D	C or D	C
50	D	C or D	C or D	C or D
60	D	C or D	C or D	C or D
75	D	C or D	C or D	C or D

$1 \text{ KW} = \text{H.P.} \times 0.746$



# Tension Forces

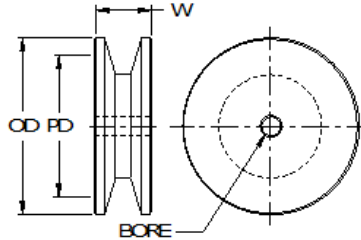
## Force Required to deflect Belt 1.6 mm per 100 mm of Span: Technical Specifications



Section	Force (N)	Deflection 0.0115 PER mm of Span
SPZ	67 to 95	10 to 1.5
	100 to 140	1.5 to 2.5
SPA	100 to 132	1.5 to 2.5
	140 to 200	1.5 to 2.5
SPB	160 to 224	1.5 to 2.5
	236 to 315	1.5 to 2.5
SPC	224 to 355	1.5 to 2.5
	375 to 560	1.5 to 2.5
A	80 to 140	1.5 to 2.5
B	125 to 200	1.5 to 2.5
C	200 to 400	1.5 to 2.5
D	355 to 600	1.5 to 2.5
E	600 to 900	1.5 to 2.5

## Sectional Dimensions and Recommended Min Pulley Diameters

### V Belt Groove Angle, Width in MM: Technical Specifications



Section	Top (w) Width	Thickness mm	Angle	Range of Pitch Length mm (LW/L)	Difference in length			Absolute Min. Pulley		
					L1 to LP Add(+)	Lp to LA Add(+)	L1 to LA Add(+)	(Dia)	Depth	Groove Angle
SPZ	9.5	8.0	40	380-3550	37	13	50	63	11.0	38+1.0
SPA	12.5	10.0	40	750-4500	45	18	63	90	12.8	38+1.0
SPB	16.0	13.0	40	1250-8000	60	28	88	140	17.5	38+1.0
SPC	22.0	18.0	40	2000-9500	83	30	113	224	23.8	38+1.0
A	13.0	8.0	40	380-8500	36	14	50	75	11.0	38+1.0
B	17.0	11.0	40	480+1400	43	26	69	125	14.0	38+1.0
C	22.0	14.0	40	925-1400	56	32	88	200	18.5	38+1.0
D	32.0	19.0	40	1120-15190	79	40	119	355	25.0	38+1.0
E	38.0	23.0	40	3550-17750	92	53	145	450	30.0	38+1.0
O/Z/M	10.0	6.0	40	350-3800	22	16	38	60	8.5	38+1.0
SP 20	20.0	2.5	40	1600-5000	60	28	88	150	16.0	38+1.0
SP 25	25.0	16.0	40	1600-12000	65	35	100	225	20.0	38+1.0
3V	9.7	8.0	40	380- 3500	37	13	50	63	10.0	38+1.0
5V	16.0	13.5	40	1960-12000	60	25	85	140	17.5	38+1.0
8V	25.4	23.0	40	1750-12500	92	53	145	250	28.0	38+1.0
AA	13.0	10.0	40	1650-5000	31	31	62	75	13.0	38±1.0
BB	17.0	14.0	40	1650-6000	44	44	88	125	17.0	38±1.0
CC	22.0	18.0	40	1850-8000	56	56	112	200	21.0	38±1.0

### Harvester Vari-Speed Belts Sectional Dimensions

SECTION	55	50	45	40	40	38	36	32	28	25
TOP WIDTH W	55	50	45	40	40	38	36	32	28	25
THICKNESS T	22	22	20	20	13	18	14	15	13	13
ANGLE	30	30	30	30	30	30	30	30	30	30
LENGTH	1800/ 4000	1800/ 4000	1800/ 4000	1800/ 4000	1750/ 4000	1750/ 4000	1100/ 4000	1650/ 4500	1650/ 4000	1400/ 6500
LI TO LP	90	90	81	81	53	73	56	61	53	53
LP TO LA	48	48	44	44	29	40	32	33	29	29
LI TO LA	138	138	125	125	82	113	88	94	82	82
PULLEY	V.S. Pulley	V.S. Pulley	V.S. Pulley	V.S. Pulley	V.S. Pulley	V.S. Pulley	V.S. Pulley	V.S. Pulley 350 mm DIA	V.S. Pulley	V.S. Pulley

## Raw Edge Cogged RECOMMENDED STANDARD PULLEY DIAMETERS FOR FASTER SHAFT

ZX	AX	BX	CX	XPZ, 3VX	XPA	XPB, 5VX	XPC
*40	*63	*90	*140	*56	*71	*112	*180
45	71	100	150	60	75	112	200
50	80	106	160	63	80	125	224
56	90	112	180	71	90	132	250
63	95	116	200	80	100	140	280
71	100	125	224	85	112	150	315
80	106	132	250	90	118	160	335
90	112	140	280	95	125	180	355
100	118	160	315	100	140	200	400
112	125	180	335	112	160	224	450
	132	190	355	125	180	250	500
	140	200	400	140	200	280	630
	150	212	450	160	224	315	710
	160	224	500	180	250	355	
	180	250	630	200	280	400	
		280					

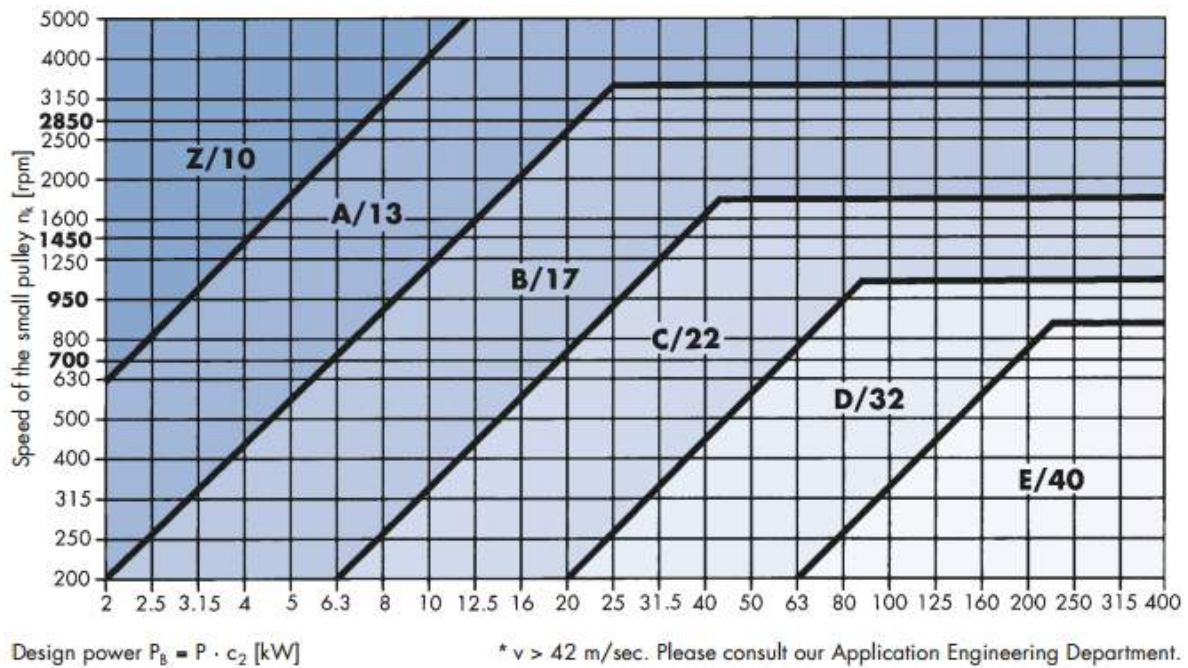


## Design Formulae

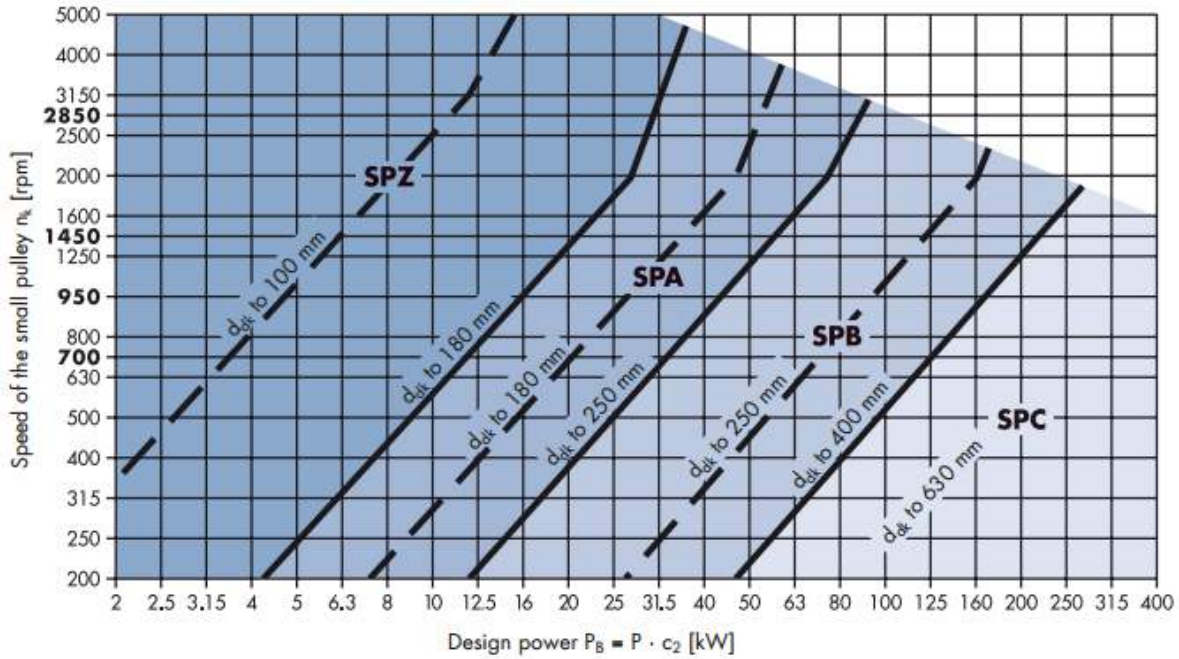
### Drive V Belt Size Calculation: Technical Specifications

$L = 2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$ $C = A + \sqrt{(A^2 - B)}$ <p>Where</p> $A = \frac{L}{4} - 0.3925(D + d)$ $B = \frac{(D-d)^2}{8}$ $\text{Number of belts, } N = \frac{P \times F_s}{R \times F_l \times F_c}$	<p>where</p> <p>L = Belt Pitch Length mm  C = Centre Distance mm  D = Pitch dia of large pulley mm  d = Pitch dia of small pulley mm  R = Power Rating per belt KW  Fl = Belt Length Connection factor  Fc = Arc of contact correction Factor  Fs = Service Factor  P = Drive Power in KW</p>
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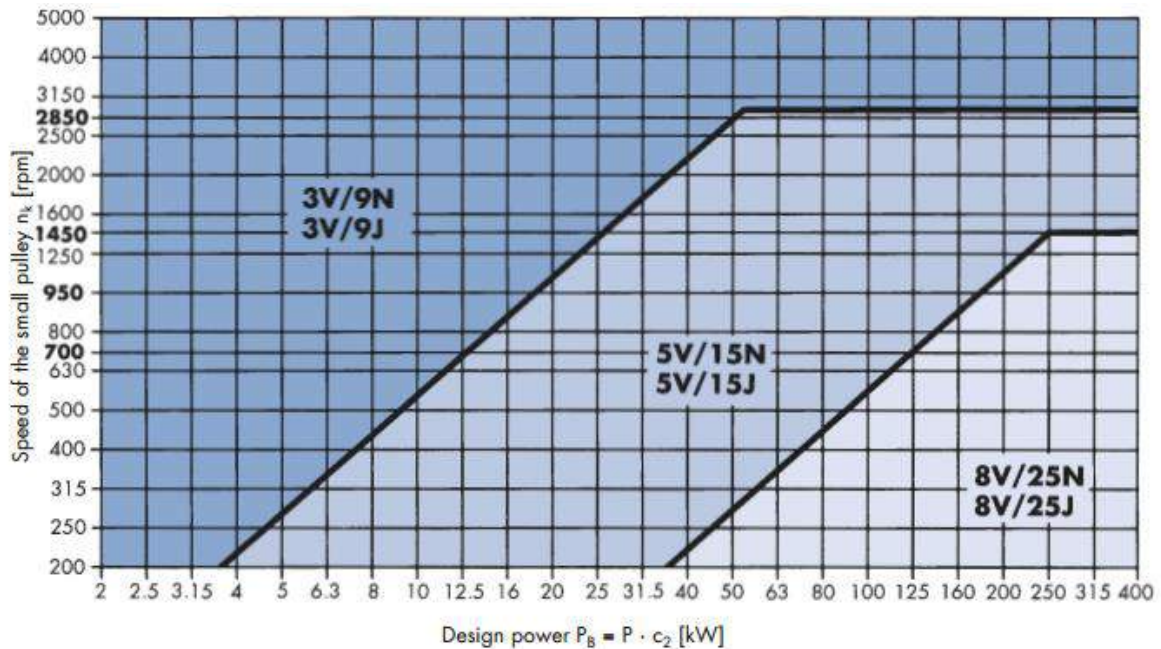
### Cross Section Selection of V Belts (CLASSICAL): Diagram 1



**Cross Section Selection of V Belts (WEDGE): Diagram 2**

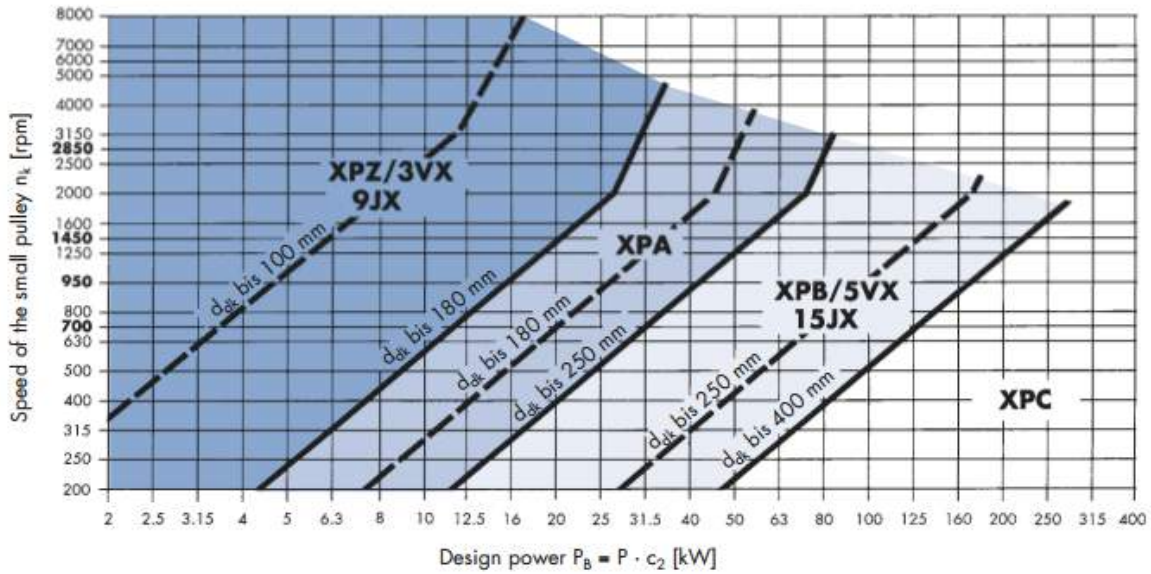


**Cross Section Selection of V Belts (NARROW): Diagram 3**

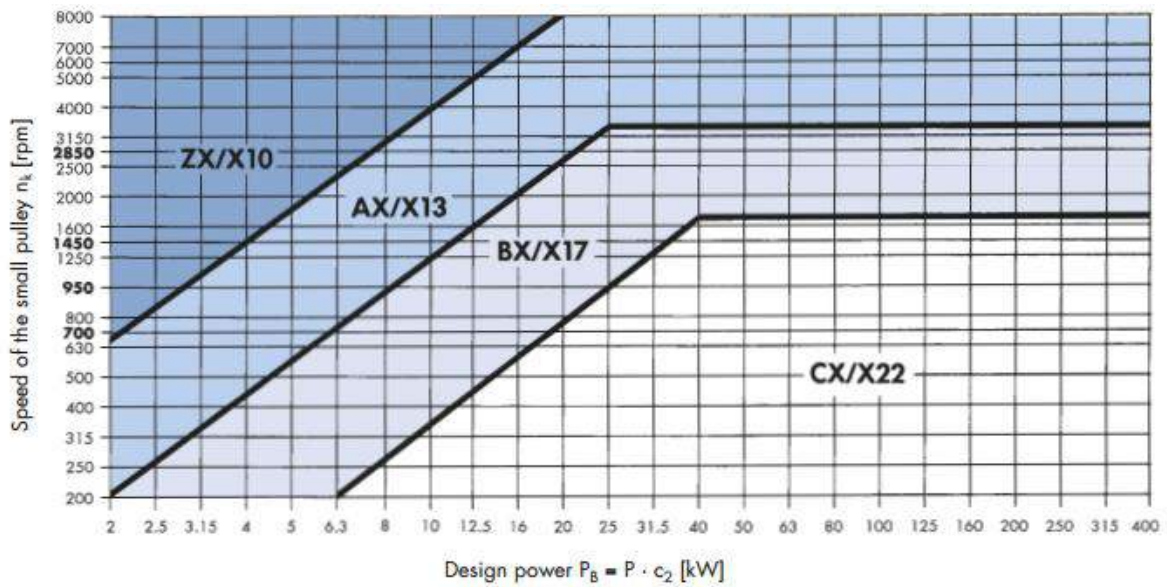




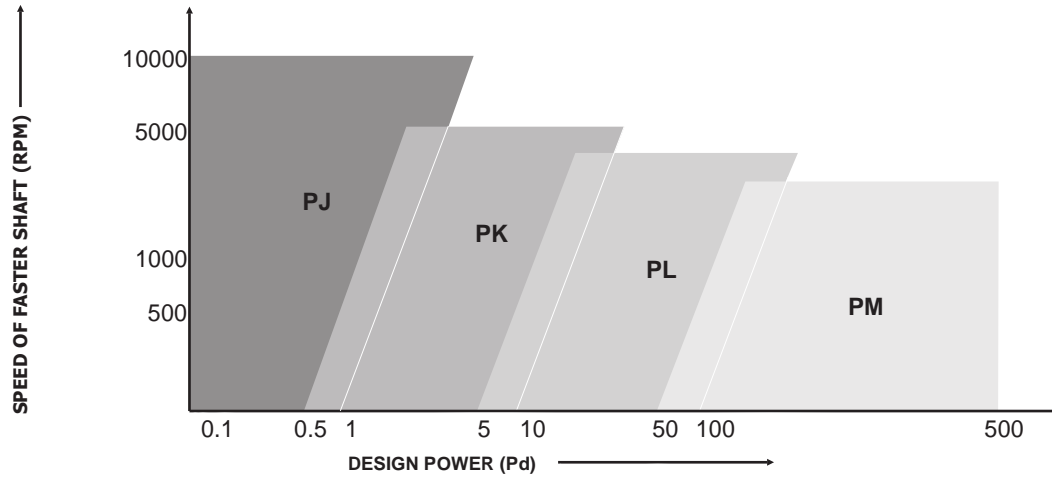
**Cross Section Selection of V Belts (COGGED WEDGE): Diagram 4**



**Cross Section Selection of V Belts (COGGED CLASSICAL): Diagram 5**



Cross Section Selection of V Belts (POLY/MULTIRIBBED): Diagram 6





# Service Factors

## Horse Power Rating For Type of Driven Machines: Technical Specifications

Speed Increasing Drives - Multiply SF by SR Factor	TYPES OF PRIME MOVE					
	Soft Start Electric Motor AC-Star Delta Start DC-Shunt would I.C. Engines with 4 or more cylinders All prime movers fitted with soft starters. Centrifugal clutch. Fluid powder coupling.			Heavy Start Electric Motor AC-Direct on line start DC-Series & compound wound I.C. Engines with less than 4 cylinders.		
Types of Driven Machines	Hours per Day Duty Up to 10 Over 10 to 16 Over 16			Hours per Day Duty Up to 10 Over 10 to 16 Over 16		
	<b>LIGHT DUTY</b> Conveyors (uniform load) Exhaust Fans (max 7.5 kw) Blowers, Pumps, Compressors (Centrifugal) Generators. Shifters (Light), Agitators (Liquid)	1.0	1.1	1.2	1.2	1.2
<b>MEDIUM DUTY</b> Agitators & Mixers, Compressors (with 3, or more cylinders) Rotary pumps, Conveyors (non-uniform load). Washing Machine, Line Shafts, Printing Machines & Screens.	1.1	1.2	1.3	1.3	1.3	1.4
<b>HEAVY DUTY</b> Pumps, Compressor, (Reciprocating) Bucket Elevator, Rotary Pumps, Conveyors, Hammer Mills, Rubber Mixers. Pulverisers, Vibrating Screens, Textile Machinery.	1.2	1.3	1.4	1.4	1.5	1.6
<b>EXTRA HEAVY DUTY</b> Crushers (Gyratory, Jaw, Roll) Mills (Ball, Rod, Tube).	1.3	1.4	1.5	1.5	1.7	1.8

## ARC OF CONTACT POWER CORRECTION FACTORS For V Belts

<b>D-d/C</b>	<b>Arc of Contact on Smaller Pulley (Degrees)</b>	<b>Correction Factor i.e. Proportion of 180° Rating ( Fc )</b>
0.00	180	1.00
0.05	177	0.99
0.10	174	0.99
0.15	171	0.98
0.20	169	0.97
0.25	166	0.97
0.30	163	0.96
0.35	160	0.95
0.40	157	0.94
0.45	154	0.93
0.50	151	0.93
0.55	148	0.92
0.60	145	0.91
0.65	142	0.90
0.70	139	0.89
0.75	136	0.88
0.80	133	0.87
0.85	130	0.86
0.90	127	0.85
0.95	123	0.83
1.00	120	0.82



## POWER CORRECTION FACTORS FOR BELT PITCH LENGTH FOR V BELTS

Power	Belt Pitch Length																			
	A, AX		B, BX		20, C,		D		E		SPZ, 3V		SPA, XPA		SPB, 5V		SPC, XPC		8V	
Correction			V-belts										Wedge belts							
Z, ZX																				
Factors					25, CX						XPZ, 3VX				XPB, 5VX					
0.80		630																		
0.81			930																	
0.82		700		1550	2740						800									
0.83			1000							630										
0.84		790		1760							900									
0.85			1100							710	1250									
0.86	405	890				3130					1000						2000			
0.87			1210	1950	3330					800				1400					2540	
0.88		990									1120						2240			
0.89										900				1600					3000	
0.90	475	1100	1370	2190	3730						1250					2500				
0.91				2340										1800	2800				3350	
0.92	530		1560	2490	4080					1000	1400									
0.93		1250												2090	3150					
0.94				2720	4620	5334	1120	1600											4060	
0.95	625		1760	2800										2240	3550					
0.96		1430		3080		6045	1250	1800						2500						
0.97			1950		5400											4000			5080	
0.98	700	1550		3310				1400	2000					2800	4500					
0.99		1640	2180	3520		6807													6000	
1.00	780	1750	2300		6100			1600	2240					3150	5000					
1.02		1940	2500	4060				7569	1800	2500				3550	5600				7100	
1.03					6840	8331													8000	
1.04	920	2050	2700					2000	2800					4090	6300					
1.05		2200	2850	4600	7620	9093									7100				9000	
1.06		2300												3150	4500					
1.07	1080				8410	9855	2240								8000				10160	
1.08		2480	3200	5380										3550	5000					
1.09		2570			9140	10617	2500							6000	9000				11430	
1.10		2700	3600											4000					12700	
1.11				6100				2800						6300	10000					
1.12		2910			10700	12141								4500	11200					
1.13		3080	4060					3150						7100						
1.14		3290		6860		13665									12500					
1.15			4430					3550						7880						
1.16		3540	4820	7600	12200	15189														
1.18			5000		13700															
1.19			5370			16713														
1.20			6070		15200															
1.21				9100																
1.24				10700																





**Section Z: Power Rating P(kW) for Arc of Contact 180° (Table 1)**

n (rpm)	Pitch diameter of the smaller pulley (mm)									Additional Power (kW) per belt for speed ratio				
	45	50	56	63	71	80	90	100	112	1.01 to	1.06 > 1.05	1.27 to 1.26	For to 1.57	to 1.57
700	0.19	0.23	0.29	0.35	0.43	0.51	0.60	0.69	0.79	0.00	0.02	0.03	0.03	
950	0.22	0.29	0.36	0.44	0.54	0.64	0.76	0.88	1.00	0.00	0.02	0.04	0.04	
1450	0.29	0.38	0.49	0.61	0.75	0.90	1.07	1.22	1.42	0.01	0.03	0.06	0.06	
2850	0.42	0.58	0.77	0.99	1.23	1.47	1.77	2.07	2.34	0.01	0.07	0.11	0.12	
100	0.04	0.05	0.06	0.07	0.08	0.10	0.11	0.13	0.15	0.00	0.00	0.00	0.00	
200	0.08	0.10	0.12	0.14	0.16	0.20	0.22	0.26	0.30	0.00	0.00	0.01	0.01	
300	0.09	0.15	0.18	0.21	0.24	0.30	0.33	0.39	0.45	0.00	0.01	0.01	0.01	
400	0.12	0.15	0.18	0.22	0.26	0.31	0.37	0.42	0.48	0.00	0.01	0.02	0.02	
500	0.15	0.19	0.23	0.28	0.33	0.39	0.46	0.53	0.60	0.00	0.01	0.02	0.02	
600	0.16	0.20	0.25	0.30	0.37	0.44	0.51	0.59	0.68	0.00	0.01	0.03	0.03	
700	0.19	0.23	0.29	0.35	0.43	0.51	0.60	0.69	0.79	0.00	0.02	0.03	0.03	
800	0.19	0.27	0.33	0.40	0.49	0.59	0.68	0.79	0.91	0.00	0.02	0.03	0.03	
900	0.21	0.27	0.34	0.42	0.51	0.61	0.72	0.83	0.95	0.00	0.02	0.04	0.04	
950	0.22	0.29	0.36	0.44	0.54	0.64	0.76	0.88	1.00	0.00	0.02	0.04	0.04	
1000	0.23	0.30	0.38	0.47	0.57	0.68	0.80	0.92	1.06	0.00	0.02	0.04	0.04	
1100	0.24	0.31	0.39	0.49	0.60	0.72	0.85	0.97	1.12	0.01	0.03	0.05	0.05	
1200	0.26	0.34	0.43	0.54	0.66	0.79	0.93	1.06	1.22	0.01	0.03	0.05	0.05	
1300	0.27	0.37	0.46	0.58	0.71	0.85	1.01	1.15	1.32	0.01	0.03	0.05	0.06	
1400	0.28	0.37	0.47	0.59	0.72	0.87	1.03	1.18	1.37	0.01	0.03	0.06	0.06	
1450	0.29	0.38	0.49	0.61	0.75	0.90	1.07	1.22	1.42	0.01	0.03	0.06	0.06	
1500	0.30	0.40	0.50	0.63	0.77	0.93	1.10	1.26	1.47	0.01	0.04	0.06	0.06	
1600	0.31	0.40	0.52	0.65	0.80	0.96	1.14	1.31	1.52	0.01	0.04	0.07	0.07	
1700	0.32	0.43	0.55	0.69	0.85	1.02	1.21	1.39	1.62	0.01	0.04	0.07	0.07	
1800	0.33	0.45	0.59	0.73	0.90	1.08	1.28	1.47	1.71	0.01	0.04	0.07	0.08	
1900	0.34	0.45	0.59	0.74	0.91	1.10	1.30	1.50	1.73	0.01	0.05	0.08	0.08	
2000	0.36	0.47	0.62	0.79	0.96	1.16	1.37	1.58	1.82	0.01	0.05	0.08	0.09	
2100	0.36	0.48	0.63	0.79	0.98	1.18	1.40	1.62	1.87	0.01	0.05	0.08	0.09	
2200	0.38	0.50	0.66	0.83	1.03	1.24	1.47	1.70	1.96	0.01	0.05	0.09	0.10	
2300	0.39	0.52	0.69	0.87	1.07	1.29	1.53	1.77	2.05	0.01	0.06	0.09	0.10	
2400	0.39	0.52	0.69	0.87	1.08	1.30	1.55	1.79	2.06	0.01	0.06	0.10	0.10	
2500	0.39	0.54	0.72	0.91	1.13	1.35	1.62	1.87	2.15	0.01	0.06	0.10	0.11	
2600	0.40	0.55	0.72	0.92	1.14	1.38	1.64	1.89	2.18	0.01	0.06	0.10	0.11	
2700	0.42	0.57	0.75	0.96	1.18	1.43	1.70	1.96	2.26	0.01	0.06	0.11	0.12	
2800	0.42	0.58	0.77	0.99	1.23	1.46	1.77	2.04	2.33	0.01	0.07	0.11	0.12	
2850	0.42	0.58	0.77	0.99	1.23	1.47	1.77	2.07	2.34	0.01	0.07	0.11	0.12	
2900	0.42	0.59	0.77	0.99	1.23	1.49	1.77	2.07	2.35	0.01	0.07	0.12	0.13	
3000	0.43	0.61	0.80	1.02	1.27	1.54	1.83	2.11	2.43	0.01	0.07	0.12	0.13	
3100	0.44	0.61	0.81	1.03	1.29	1.56	1.85	2.14	2.46	0.02	0.07	0.12	0.13	
3200	0.45	0.63	0.84	1.06	1.33	1.61	1.91	2.21	2.48	0.02	0.08	0.13	0.14	
3300	0.46	0.65	0.86	1.10	1.37	1.65	1.97	2.26	2.50	0.02	0.08	0.13	0.14	
3400	0.46	0.65	0.87	1.10	1.37	1.66	2.03	2.27	2.60	0.02	0.08	0.13	0.15	
3500	0.47	0.66	0.88	1.13	1.41	1.71	2.03	2.34	2.68	0.02	0.08	0.14	0.15	
3600	0.47	0.66	0.88	1.14	1.42	1.72	2.04	2.35	2.69	0.02	0.09	0.14	0.16	
3700	0.48	0.68	0.90	1.17	1.45	1.77	2.10	2.42	2.77	0.02	0.09	0.15	0.16	
3800	0.48	0.68	0.92	1.19	1.46	1.81	2.15	2.45	2.80	0.02	0.09	0.15	0.16	
3900	0.48	0.68	0.92	1.19	1.49	1.81	2.16	2.46	2.81	0.02	0.09	0.15	0.17	
4000	0.48	0.70	0.94	1.22	1.53	1.86	2.20	2.52	2.88	0.02	0.10	0.16	0.17	
4100	0.49	0.70	0.95	1.22	1.53	1.86	2.20	2.53	2.89	0.02	0.10	0.16	0.18	
4200	0.49	0.71	0.97	1.25	1.57	1.91	2.25	2.59	2.96	0.02	0.10	0.17	0.18	
4300	0.50	0.71	1.00	1.27	1.58	1.92	2.29	2.65	2.97	0.02	0.10	0.17	0.19	
4400	0.50	0.72	1.00	1.27	1.59	1.93	2.29	2.65	2.98	0.02	0.11	0.17	0.19	
4500	0.50	0.73	1.00	1.30	1.63	1.97	2.34	2.65	2.99	0.02	0.11	0.18	0.19	
4600	0.50	0.73	1.00	1.30	1.63	1.98	2.34	2.67	2.99	0.02	0.11	0.18	0.20	
4700	0.50	0.75	1.02	1.33	1.66	2.02	2.39	2.73	3.00	0.02	0.11	0.18	0.20	
4800	0.51	0.75	1.02	1.34	1.67	2.03	2.40	2.74	3.00	0.02	0.12	0.19	0.21	
4900	0.52	0.75	1.03	1.34	1.68	2.04	2.41	2.75	3.10	0.02	0.12	0.19	0.21	
5000	0.52	0.76	1.05	1.37	1.71	2.05	2.42	2.78	3.13	0.02	0.12	0.20	0.22	
5100	0.52	0.76	1.05	1.37	1.71	2.08	2.45	2.79	3.14	0.02	0.12	0.20	0.22	
5200	0.52	0.78	1.07	1.40	1.74	2.12	2.50	2.80	3.15	0.03	0.13	0.20	0.23	
5300	0.52	0.78	1.07	1.40	1.75	2.13	2.50	2.82	3.16	0.03	0.13	0.21	0.23	
5400	0.52	0.78	1.07	1.40	1.76	2.13	2.50	2.83	3.17	0.03	0.13	0.21	0.23	
5500	0.52	0.78	1.08	1.42	1.77	2.15	2.53	2.85	3.18	0.03	0.13	0.22	0.24	
5600	0.52	0.78	1.08	1.42	1.78	2.16	2.53	2.86	3.19	0.03	0.13	0.22	0.24	
5800	0.53	0.81	1.11	1.47	1.83	2.21	2.54	2.88	3.19	0.03	0.14	0.23	0.25	
6000	0.53	0.84	1.11	1.47	1.83	2.21	2.54	2.89	3.19	0.03	0.14	0.24	0.26	
6200	0.51	0.79	1.11	1.47	1.84	2.22	2.59	2.90	3.18	0.03	0.15	0.25	0.27	
6400	0.51	0.79	1.12	1.47	1.85	2.23	2.60	2.89	3.15	0.03	0.15	0.25	0.28	
6600	0.51	0.79	1.12	1.49	1.86	2.24	2.60	2.88	3.12	0.03	0.16	0.26	0.29	
6800	0.50	0.79	1.13	1.50	1.87	2.25	2.60	2.87	3.08	0.03	0.16	0.27	0.29	
7000	0.50	0.79	1.13	1.50	1.87	2.25	2.59	2.85	3.03	0.03	0.17	0.28	0.30	
7200	0.48	0.79	1.13	1.50	1.88	2.25	2.58	2.82	2.97	0.03	0.17	0.28	0.31	
7400	0.48	0.80	1.13	1.50	1.88	2.24	2.56	2.78	2.90	0.04	0.18	0.29	0.32	
7600	0.46	0.77	1.12	1.50	1.88	2.23	2.53			0.04	0.18	0.30	0.33	
7800	0.46	0.77	1.12	1.49	1.87	2.22	2.50			0.04	0.19	0.31	0.34	
8000	0.44	0.76	1.11	1.49	1.86	2.20	2.47			0.04	0.19	0.31	0.35	
8200	0.44	0.75	1.11	1.48	1.85	2.17				0.04	0.20	0.32	0.35	
8400	0.43	0.74	1.10	1.47	1.83	2.15				0.04	0.20	0.32	0.36	





**Section A: Power Rating P (kW) for Arc of Contact 180° (Table 2)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	71	80	90	95	100	106	112	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	0.55	0.77	1.00	1.13	1.25	1.39	1.53	0.02	0.08	0.12	0.14
950	0.64	0.93	1.25	1.39	1.55	1.73	1.92	0.02	0.10	0.16	0.18
1450	0.82	1.23	1.69	1.91	2.12	2.38	2.64	0.03	0.16	0.25	0.28
2850	1.06	1.81	2.63	2.96	3.39	3.76	4.26	0.06	0.31	0.49	0.55
100	0.12	0.16	0.20	0.22	0.24	0.26	0.29	0.00	0.01	0.02	0.02
200	0.24	0.32	0.40	0.44	0.48	0.52	0.58	0.00	0.02	0.03	0.04
300	0.36	0.48	0.60	0.66	0.72	0.78	0.87	0.01	0.03	0.05	0.06
400	0.35	0.48	0.63	0.70	0.77	0.85	0.94	0.01	0.04	0.07	0.08
500	0.44	0.60	0.79	0.88	0.96	1.06	1.18	0.01	0.05	0.09	0.10
600	0.47	0.66	0.86	0.97	1.07	1.19	1.31	0.01	0.06	0.10	0.12
700	0.55	0.77	1.00	1.13	1.25	1.39	1.53	0.02	0.08	0.12	0.14
800	0.61	0.88	1.15	1.29	1.43	1.59	1.75	0.02	0.09	0.14	0.16
900	0.61	0.88	1.18	1.32	1.47	1.64	1.82	0.02	0.10	0.16	0.18
950	0.64	0.93	1.25	1.39	1.55	1.73	1.92	0.02	0.10	0.16	0.18
1000	0.68	0.98	1.31	1.47	1.63	1.82	2.02	0.02	0.11	0.17	0.19
1100	0.69	1.01	1.37	1.54	1.71	1.92	2.13	0.02	0.12	0.19	0.21
1200	0.75	1.10	1.50	1.68	1.87	2.09	2.32	0.03	0.13	0.21	0.23
1300	0.76	1.19	1.62	1.82	2.02	2.27	2.52	0.03	0.14	0.22	0.25
1400	0.79	1.19	1.63	1.84	2.05	2.30	2.55	0.03	0.15	0.24	0.27
1450	0.82	1.23	1.69	1.91	2.12	2.38	2.64	0.03	0.16	0.25	0.28
1500	0.85	1.28	1.75	1.97	2.20	2.46	2.73	0.03	0.16	0.26	0.29
1600	0.85	1.39	1.78	2.02	2.26	2.54	2.82	0.03	0.17	0.28	0.31
1700	0.90	1.39	1.89	2.15	2.40	2.70	3.00	0.04	0.18	0.29	0.33
1800	0.91	1.43	2.00	2.27	2.54	2.86	3.17	0.04	0.19	0.31	0.35
1900	0.92	1.44	2.00	2.27	2.54	2.87	3.19	0.04	0.21	0.33	0.37
2000	0.95	1.52	2.11	2.39	2.67	3.02	3.36	0.04	0.22	0.35	0.39
2100	0.96	1.52	2.12	2.42	2.72	3.06	3.41	0.05	0.23	0.36	0.41
2200	0.98	1.59	2.22	2.54	2.85	3.21	3.57	0.05	0.24	0.38	0.43
2300	0.99	1.61	2.30	2.62	2.95	3.33	3.74	0.05	0.25	0.40	0.45
2400	1.00	1.62	2.30	2.63	2.95	3.33	3.80	0.05	0.26	0.42	0.47
2500	1.01	1.68	2.40	2.74	3.07	3.47	3.87	0.05	0.27	0.43	0.49
2600	1.02	1.68	2.40	2.75	3.09	3.50	3.89	0.06	0.28	0.45	0.51
2700	1.06	1.75	2.49	2.86	3.21	3.64	4.04	0.06	0.28	0.47	0.53
2800	1.06	1.81	2.59	2.96	3.33	3.76	4.19	0.06	0.30	0.48	0.54
2850	1.06	1.81	2.63	2.96	3.33	3.76	4.26	0.06	0.31	0.49	0.55
2900	1.06	1.82	2.63	2.96	3.36	3.76	4.26	0.06	0.31	0.50	0.56
3000	1.06	1.82	2.64	3.00	3.38	3.83	4.27	0.06	0.32	0.52	0.58
3100	1.06	1.82	2.64	3.00	3.38	3.83	4.27	0.07	0.34	0.54	0.60
3200	1.06	1.86	2.69	3.10	3.49	3.95	4.41	0.07	0.35	0.55	0.62
3300	1.05	1.86	2.70	3.10	3.55	4.08	4.41	0.07	0.36	0.57	0.64
3400	1.05	1.86	2.70	3.10	3.58	4.08	4.43	0.07	0.37	0.59	0.66
3500	1.05	1.86	2.72	3.15	3.58	4.10	4.56	0.08	0.38	0.61	0.68
3600	1.05	1.87	2.74	3.17	3.58	4.10	4.56	0.08	0.39	0.62	0.70
3700	1.05	1.91	2.82	3.26	3.68	4.17	4.65	0.08	0.40	0.64	0.72
3800	1.04	1.93	2.89	3.35	3.77	4.19	4.71	0.08	0.41	0.66	0.74
3900	0.99	1.93	2.89	3.35	3.77	4.22	4.72	0.08	0.42	0.67	0.76
4000	0.99	1.92	2.89	3.36	3.77	4.26	4.74	0.09	0.43	0.69	0.78
4100	0.98	1.86	2.88	3.36	3.78	4.28	4.75	0.09	0.44	0.71	0.80
4200	0.98	1.85	2.88	3.36	3.78	4.28	4.76	0.09	0.45	0.73	0.82
4300	0.97	1.85	2.85	3.36	3.87	4.38	4.88	0.09	0.46	0.74	0.84
4400	0.95	1.84	2.81	3.26	3.87	4.40	4.66	0.10	0.48	0.76	0.86
4500	0.92	1.83	2.77	3.23	3.88	4.40	4.66	0.10	0.49	0.78	0.88
4600	0.85	1.81	2.77	3.23	3.88	4.18	4.64	0.10	0.50	0.80	0.89
4700	0.85	1.81	2.75	3.23	3.77	4.17	4.64	0.10	0.51	0.81	0.91
4800	0.85	1.80	2.71	3.23	3.75	4.16	4.54	0.10	0.52	0.83	0.93
4900	0.77	1.75	2.70	3.22	3.64	4.12	4.54	0.11	0.53	0.85	0.95
5000	0.77	1.75	2.70	3.22	3.61	4.10	4.53	0.11	0.54	0.87	0.97
5100	0.75	1.69	2.69	3.15	3.58	4.06	4.48	0.11	0.55	0.88	0.99
5200	0.74	1.62	2.64	3.13	3.55	4.04	4.47	0.11	0.56	0.90	1.01
5300	0.73	1.62	2.64	3.12	3.52	4.02	4.46	0.11	0.57	0.92	1.03
5400	0.58	1.59	2.59	3.04	3.46	3.91	4.44	0.12	0.58	0.93	1.05
5500	0.58	1.58	2.54	3.03	3.42	3.90	4.31	0.12	0.59	0.95	1.07
5600	0.55	1.55	2.51	2.95	3.36	3.79		0.12	0.61	0.97	1.09
5700	0.54	1.54	2.50	2.94	3.32	3.76		0.12	0.62	0.99	1.11
5800	0.49	1.52	2.40	2.93	3.30	3.73		0.13	0.63	1.00	1.13
5900	0.40	1.51	2.30	2.90	3.29	3.72		0.13	0.64	1.02	1.15
6000	0.35	1.45	2.20	2.90	3.20	3.71		0.13	0.65	1.04	1.17





**Section A: Power Rating P (kW) for Arc of Contact 180° (Table 3)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	118	125	132	140	150	160	180	1.01	1.06	1.27	For
								1.05	1.26	1.57	1.57
700	1.67	1.83	2.00	2.17	2.40	2.63	3.07	0.02	0.08	0.12	0.14
950	2.10	2.30	2.51	2.74	3.04	3.33	3.90	0.02	0.10	0.16	0.18
1450	2.90	3.20	3.49	3.82	4.23	4.63	5.41	0.03	0.16	0.25	0.28
2850	4.69	5.10	5.65	6.16	6.68	7.28	8.48	0.06	0.31	0.49	0.55
100	0.31	0.34	0.37	0.40	0.44	0.48	0.55	0.00	0.01	0.02	0.02
200	0.62	0.68	0.74	0.80	0.88	0.96	1.10	0.00	0.02	0.03	0.04
300	0.93	1.02	1.11	1.20	1.32	1.44	1.65	0.01	0.03	0.05	0.06
400	1.02	1.12	1.21	1.32	1.46	1.59	1.86	0.01	0.04	0.07	0.08
500	1.28	1.40	1.51	1.65	1.83	1.99	2.33	0.01	0.05	0.09	0.10
600	1.43	1.57	1.71	1.86	2.06	2.25	2.63	0.01	0.06	0.10	0.12
700	1.67	1.83	2.00	2.17	2.40	2.63	3.07	0.02	0.08	0.12	0.14
800	1.91	2.09	2.28	2.48	2.75	3.00	3.51	0.02	0.09	0.14	0.16
900	1.99	2.18	2.38	2.60	2.88	3.15	3.69	0.02	0.10	0.16	0.18
950	2.10	2.30	2.51	2.74	3.04	3.33	3.90	0.02	0.10	0.16	0.18
1000	2.21	2.42	2.64	2.89	3.20	3.50	4.10	0.02	0.11	0.17	0.19
1100	2.33	2.56	2.79	3.06	3.38	3.70	4.33	0.02	0.12	0.19	0.21
1200	2.54	2.79	3.04	3.34	3.69	4.04	4.72	0.03	0.13	0.21	0.23
1300	2.75	3.03	3.30	3.62	3.99	4.37	5.12	0.03	0.14	0.22	0.25
1400	2.80	3.09	3.37	3.69	4.08	4.47	5.22	0.03	0.15	0.24	0.27
1450	2.90	3.20	3.49	3.82	4.23	4.63	5.41	0.03	0.16	0.25	0.28
1500	3.00	3.31	3.61	3.95	4.37	4.79	5.59	0.03	0.16	0.26	0.29
1600	3.10	3.41	3.73	4.08	4.51	4.94	5.76	0.03	0.17	0.28	0.31
1700	3.29	3.62	3.96	4.34	4.79	5.25	6.12	0.04	0.18	0.29	0.33
1800	3.49	3.84	4.20	4.59	5.07	5.56	6.48	0.04	0.19	0.31	0.35
1900	3.50	3.85	4.22	4.62	5.10	5.58	6.49	0.04	0.21	0.33	0.37
2000	3.68	4.05	4.44	4.86	5.37	5.87	6.83	0.04	0.22	0.35	0.39
2100	3.75	4.13	4.51	4.94	5.46	5.96	6.91	0.05	0.23	0.36	0.41
2200	3.93	4.33	4.73	5.18	5.72	6.24	7.24	0.05	0.24	0.38	0.43
2300	4.02	4.50	4.91	5.41	5.93	6.53	7.57	0.05	0.25	0.40	0.45
2400	4.08	4.50	4.91	5.41	5.93	6.63	7.67	0.05	0.26	0.42	0.47
2500	4.25	4.69	5.12	5.59	6.18	6.73	7.76	0.05	0.27	0.43	0.49
2600	4.28	4.72	5.15	5.62	6.20	6.74	7.76	0.06	0.28	0.45	0.51
2700	4.45	4.90	5.35	5.84	6.44	7.00	8.04	0.06	0.28	0.47	0.53
2800	4.61	5.00	5.55	6.05	6.68	7.26	8.34	0.06	0.30	0.48	0.54
2850	4.69	5.10	5.65	6.16	6.68	7.28	8.48	0.06	0.31	0.49	0.55
2900	4.69	5.10	5.65	6.16	6.78	7.28	8.48	0.06	0.31	0.50	0.56
3000	4.70	5.14	5.66	6.17	6.78	7.32	8.35	0.06	0.32	0.52	0.58
3100	4.70	5.17	5.66	6.17	6.79	7.33	8.33	0.07	0.34	0.54	0.60
3200	4.84	5.34	5.80	6.32	6.93	7.49	8.33	0.07	0.35	0.55	0.62
3300	4.89	5.50	5.88	6.32	7.14	7.73	8.29	0.07	0.36	0.57	0.64
3400	4.89	5.50	5.88	6.32	7.14	7.54	8.25	0.07	0.37	0.59	0.66
3500	4.96	5.52	5.99	6.41	7.15	7.49	8.20	0.08	0.38	0.61	0.68
3600	4.96	5.55	5.99	6.41	7.15	7.48		0.08	0.39	0.62	0.70
3700	5.10	5.60	6.08	6.59	7.17	7.48		0.08	0.40	0.64	0.72
3800	5.24	5.75	6.20	6.59	7.37	7.46		0.08	0.41	0.66	0.74
3900	5.26	5.75	6.20	6.48	7.19	7.45		0.08	0.42	0.67	0.76
4000	5.29	5.79	6.18	6.48	7.19	7.41		0.09	0.43	0.69	0.78
4100	5.29	5.58	6.17	6.47	6.97	7.37		0.09	0.44	0.71	0.80
4200	5.31	5.56	6.17	6.47	6.97			0.09	0.45	0.73	0.82
4300	5.34	5.52	6.08	6.43	6.88			0.09	0.46	0.74	0.84
4400	5.33	5.52	5.98	6.43	6.88			0.10	0.48	0.76	0.86
4500	5.22	5.49	5.97	6.42	6.54			0.10	0.49	0.78	0.88
4600	5.17	5.41	5.90					0.10	0.50	0.80	0.89
4700	5.17	5.41	5.89					0.10	0.51	0.81	0.91
4800	5.16	5.30	5.87					0.10	0.52	0.83	0.93
4900	4.97	5.20	5.55					0.11	0.53	0.85	0.95
5000	4.97	5.10	5.55					0.11	0.54	0.87	0.97
5100	4.86							0.11	0.55	0.88	0.99
5200	4.86							0.11	0.56	0.90	1.01
5300	4.85							0.11	0.57	0.92	1.03
5400	4.83							0.12	0.58	0.93	1.05
5500	4.80							0.12	0.59	0.95	1.07





**Section B: Power Rating P (kW) for Arc of Contact 180° (Table 4)**

n (rpm)	Pitch diameter of the smaller pulley (mm)								Additional Power (kW) per belt for speed ratio			
	112	125	132	140	150	160	170	180	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	1.55	2.03	2.29	2.58	2.94	3.55	3.65	4.01	0.03	0.17	0.27	0.30
950	1.94	2.48	2.82	3.19	3.65	4.12	4.57	5.14	0.05	0.23	0.37	0.41
1450	2.49	3.29	3.76	4.29	4.94	5.58	6.21	6.98	0.07	0.35	0.56	0.63
2850	3.27	4.71	5.46	5.99	6.89	7.89	8.62	9.22	0.14	0.69	1.10	1.24
100	0.33	0.41	0.46	0.51	0.57	0.63	0.69	0.75	0.00	0.02	0.04	0.04
200	0.66	0.82	0.92	1.02	1.14	1.26	1.38	1.50	0.01	0.05	0.08	0.09
300	0.79	1.23	1.38	1.53	1.71	1.89	2.07	2.25	0.01	0.07	0.12	0.13
400	1.05	1.27	1.43	1.60	1.82	2.03	2.25	2.46	0.02	0.10	0.15	0.17
500	1.32	1.59	1.79	2.00	2.28	2.54	2.81	3.08	0.02	0.12	0.19	0.22
600	1.33	1.74	1.96	2.21	2.52	3.05	3.13	3.44	0.03	0.14	0.23	0.26
700	1.55	2.03	2.29	2.58	2.94	3.55	3.65	4.01	0.03	0.17	0.27	0.30
800	1.63	2.32	2.61	2.95	3.36	3.90	4.17	4.33	0.04	0.19	0.31	0.35
900	1.83	2.35	2.67	3.02	3.46	3.90	4.33	4.87	0.04	0.22	0.35	0.39
950	1.94	2.48	2.82	3.19	3.65	4.12	4.57	5.14	0.05	0.23	0.37	0.41
1000	2.04	2.61	2.97	3.36	3.84	4.33	4.81	5.41	0.05	0.24	0.39	0.43
1100	2.10	2.71	3.08	3.50	4.02	4.53	5.04	5.54	0.05	0.27	0.42	0.48
1200	2.19	2.96	3.36	3.82	4.39	4.94	5.50	6.04	0.06	0.29	0.46	0.52
1300	2.38	3.20	3.50	4.14	4.75	5.35	5.96	6.26	0.06	0.31	0.50	0.56
1400	2.45	3.25	3.63	4.14	4.77	5.39	6.00	6.74	0.07	0.34	0.54	0.61
1450	2.49	3.29	3.76	4.29	4.94	5.58	6.21	6.98	0.07	0.35	0.56	0.63
1500	2.50	3.41	3.89	4.44	5.11	5.78	6.43	7.22	0.07	0.36	0.58	0.65
1600	2.50	3.45	3.95	4.52	5.21	5.89	6.56	7.40	0.08	0.39	0.62	0.69
1700	2.66	3.67	4.20	4.80	5.54	6.26	6.97	7.66	0.08	0.41	0.66	0.74
1800	2.81	3.72	4.36	5.09	5.78	6.54	7.27	7.79	0.09	0.43	0.70	0.78
1900	2.82	3.79	4.36	5.15	5.78	6.54	7.27	8.22	0.09	0.46	0.73	0.82
2000	2.82	3.89	4.59	5.26	6.08	6.88	7.65	8.32	0.10	0.48	0.77	0.87
2100	2.82	3.98	4.59	5.27	6.09	6.90	7.67	8.42	0.10	0.51	0.81	0.91
2200	2.95	4.17	4.81	5.52	6.38	7.23	8.04	8.76	0.11	0.53	0.85	0.96
2300	2.95	4.20	4.86	5.59	6.47	7.32	8.40	8.76	0.11	0.56	0.89	1.00
2400	2.96	4.20	4.86	5.59	6.47	7.32	8.40	9.11	0.12	0.58	0.95	1.04
2500	2.98	4.30	4.98	5.74	6.65	7.52	8.40	9.11	0.12	0.60	0.97	1.09
2600	2.98	4.30	4.98	5.74	6.65	7.52	8.44	9.11	0.13	0.63	1.00	1.13
2700	3.10	4.47	5.17	5.96	6.77	7.81	8.61	9.18	0.13	0.65	1.04	1.17
2800	3.21	4.63	5.36	5.98	6.77	7.89	8.61	9.21	0.14	0.68	1.08	1.22
2850	3.27	4.71	5.46	5.99	6.89	7.89	8.62	9.22	0.14	0.69	1.10	1.24
2900	3.30	4.72	5.46	5.99	7.01	7.91	8.77	9.25	0.14	0.70	1.12	1.26
3000	3.20	4.72	5.46	6.00	7.01	7.96	8.99	9.25	0.14	0.72	1.16	1.30
3100	3.10	4.73	5.46	6.00	7.05	7.96	8.99	9.22	0.15	0.75	1.20	1.35
3200	3.05	4.74	5.45	6.10	7.06	7.96	9.01	9.22	0.15	0.77	1.24	1.39
3300	3.03	4.67	5.45	6.29	7.28	7.99	9.05	9.21	0.16	0.80	1.27	1.43
3400	2.98	4.66	5.45	6.30	6.99	7.89	8.55	9.19	0.16	0.82	1.31	1.48
3500	2.93	4.45	5.21	6.32	6.97	7.81	8.55	9.18	0.17	0.84	1.35	1.52
3600	2.89	4.34	4.99	6.35	6.84	7.56	8.39	9.18	0.17	0.87	1.39	1.56
3700	2.87	4.34	4.99	6.37	6.81	7.34	8.32	9.19	0.18	0.89	1.43	1.61
3800	2.85	4.29	4.95	6.54	6.81	7.24	7.96	9.18	0.18	0.92	1.47	1.65
3900	2.59	4.22	4.93	5.89	6.59	7.24	7.95	9.18	0.19	0.94	1.51	1.69
4000	2.57	4.21	4.92	5.60	6.45	7.23	7.90	9.18	0.19	0.97	1.55	1.74
4100	2.40	3.89	4.59	5.35	5.99	6.59	7.18	9.18	0.20	0.99	1.58	1.78
4200	2.37	3.87	4.59	5.32	5.98	6.59	7.18	9.18	0.20	1.01	1.62	1.82
4300	2.35	3.84	4.30	4.86	5.56	6.16	6.75	9.18	0.21	1.04	1.66	1.87
4400	1.99	3.50	4.29	4.82	5.55	6.16	6.75	9.18	0.21	1.06	1.70	1.91
4500	1.98	3.45	4.28	4.82	5.48	6.08	6.67	9.18	0.22	1.09	1.74	1.95
4600	1.87	3.10	3.80	4.30	4.86	5.48	6.08	9.18	0.22	1.11	1.78	2.00
4700	1.71	3.10	3.73	4.28	4.82	5.44	6.04	9.18	0.23	1.13	1.82	2.04
4800	1.60	2.80	3.28	4.28	4.82	5.44	6.04	9.18	0.23	1.16	1.85	2.08
4900	1.49	2.71	3.28	4.28	4.82	5.44	6.04	9.18	0.24	1.18	1.89	2.13
5000	1.40	2.70	3.27	4.28	4.82	5.44	6.04	9.18	0.24	1.21	1.93	2.17







**Section B: Power Rating P (kW) for Arc of Contact 180° (Table 5)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	190	200	212	224	236	250	280	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	4.36	4.70	5.12	5.53	5.94	6.41	7.40	0.03	0.17	0.27	0.30
950	5.46	5.90	6.43	6.94	7.45	8.03	9.26	0.05	0.23	0.37	0.41
1450	7.44	8.04	8.73	9.42	10.09	10.84	12.73	0.07	0.35	0.56	0.63
2850	9.89	10.99	11.45	11.88	12.28			0.14	0.69	1.10	1.24
100	0.81	0.87	0.94	1.01	1.08	1.17	1.34	0.00	0.02	0.04	0.04
200	1.62	1.74	1.88	2.02	2.16	2.34	2.68	0.01	0.05	0.08	0.09
300	2.43	2.61	2.82	3.03	3.24	3.51	4.02	0.01	0.07	0.12	0.13
400	2.67	2.88	3.13	3.37	3.62	3.91	4.51	0.02	0.10	0.15	0.17
500	3.34	3.60	3.91	4.21	4.53	4.89	5.64	0.02	0.12	0.19	0.22
600	3.74	4.03	4.39	4.74	5.09	5.49	6.34	0.03	0.14	0.23	0.26
700	4.36	4.70	5.12	5.53	5.94	6.41	7.40	0.03	0.17	0.27	0.30
800	4.99	5.37	5.85	6.32	6.79	7.32	8.45	0.04	0.19	0.31	0.35
900	5.17	5.59	6.09	6.57	7.06	7.61	8.77	0.04	0.22	0.35	0.39
950	5.46	5.90	6.43	6.94	7.45	8.03	9.26	0.05	0.23	0.37	0.41
1000	5.74	6.21	6.77	7.30	7.84	8.46	9.74	0.05	0.24	0.39	0.43
1100	6.03	6.52	7.10	7.66	8.22	8.86	10.18	0.05	0.27	0.42	0.48
1200	6.58	7.11	7.75	8.36	8.97	9.67	11.11	0.06	0.29	0.46	0.52
1300	7.13	7.71	8.39	9.05	9.71	10.47	11.41	0.06	0.31	0.50	0.56
1400	7.18	7.76	8.43	9.09	9.74	10.47	12.29	0.07	0.34	0.54	0.61
1450	7.44	8.04	8.73	9.42	10.09	10.84	12.73	0.07	0.35	0.56	0.63
1500	7.69	8.31	9.03	9.74	10.44	11.22	12.77	0.07	0.36	0.58	0.65
1600	7.85	8.47	9.20	9.90	10.58	11.35	12.88	0.08	0.39	0.62	0.69
1700	8.34	9.00	9.78	10.52	11.24	12.06	13.59	0.08	0.41	0.66	0.74
1800	8.69	9.53	10.35	10.88	11.53	12.36	13.59	0.09	0.43	0.70	0.78
1900	8.69	9.70	10.45	10.88	11.73	12.36	13.85	0.09	0.46	0.73	0.82
2000	9.14	9.83	10.62	11.36	12.00	13.01	14.06	0.10	0.48	0.77	0.87
2100	9.14	9.83	10.62	11.36	12.06	13.01	14.19	0.10	0.51	0.81	0.91
2200	9.58	10.30	11.13	11.90	12.63	13.06	14.26	0.11	0.53	0.85	0.96
2300	9.63	10.32	11.20	12.44	12.45	13.06	14.26	0.11	0.56	0.89	1.00
2400	9.63	10.32	11.20	12.44	12.45	13.63	14.88	0.12	0.58	0.95	1.04
2500	9.83	10.51	11.25	12.30	12.45	14.20	15.50	0.12	0.60	0.97	1.09
2600	9.83	10.51	11.25	11.90	12.45			0.13	0.63	1.00	1.13
2700	9.85	10.91	11.25	11.90	12.31			0.13	0.65	1.04	1.17
2800	9.89	10.98	11.25	11.88	12.31			0.14	0.68	1.08	1.22
2850	9.89	10.99	11.45	11.88	12.28			0.14	0.69	1.10	1.24
2900	9.93	10.99	11.65	11.87	12.27			0.14	0.70	1.12	1.26
3000	9.85	10.91	12.05	11.84	12.20			0.14	0.72	1.16	1.30
3100	9.85	10.41						0.15	0.75	1.20	1.35
3200	9.78	10.41						0.15	0.77	1.24	1.39
3300	9.65	10.12						0.16	0.80	1.27	1.43
3400	9.64	10.12						0.16	0.82	1.31	1.48
3500	9.63	10.10						0.17	0.84	1.35	1.52
3600								0.17	0.87	1.39	1.56
3700								0.18	0.89	1.43	1.61
3800								0.18	0.92	1.47	1.65
3900								0.19	0.94	1.51	1.69
4000								0.19	0.97	1.55	1.74





**Section 20: Power Rating P (kW) for Arc of Contact 180° (Table 6)**

n (rpm)	Pitch diameter of the smaller pulley (mm)													Additional Power (kW) per belt for speed ratio			
	140	160	180	200	224	236	250	280	315	355	400	450	500	1.01	1.06	1.27	For
														1.05	1.26	1.57	1.57
700	2.83	3.60	4.34	5.08	5.93	6.34	6.83	7.83	8.96	10.20	12.43	14.04	16.42	0.04	0.18	0.29	0.32
950	3.46	4.43	5.38	6.31	7.35	7.87	8.47	9.69	11.03	12.45	15.27	17.03	19.05	0.05	0.24	0.39	0.44
1450	4.41	5.72	6.98	8.16	9.49	10.13	10.83	12.21	13.62	14.91	18.65			0.07	0.37	0.59	0.67
2850	5.02	6.61	7.87	8.81	9.45									0.15	0.73	1.17	1.31
50	0.36	0.43	0.52	0.59	0.68	0.72	0.78	0.89	1.02	1.16	1.60	2.04	3.67	0.00	0.01	0.02	0.02
100	0.64	0.78	0.93	1.07	1.23	1.32	1.41	1.61	1.85	2.11	2.45	2.93	4.52	0.01	0.03	0.04	0.05
150	0.89	1.09	1.30	1.50	1.73	1.85	1.99	2.28	2.60	2.97	3.06	3.68	5.61	0.01	0.04	0.06	0.07
200	1.11	1.38	1.64	1.90	2.20	2.35	2.53	2.89	3.32	3.79	4.35	4.98	6.75	0.01	0.05	0.08	0.09
250	1.33	1.64	1.97	2.28	2.65	2.83	3.03	3.48	3.99	4.56	5.24	6.00	7.88	0.01	0.06	0.10	0.12
300	1.52	1.80	2.27	2.64	3.07	3.27	3.52	4.04	4.63	5.29	6.14	7.02	8.97	0.02	0.08	0.12	0.14
350	1.72	2.14	2.56	2.98	3.47	3.72	3.99	4.58	5.25	5.99	6.99	7.99	10.15	0.02	0.09	0.14	0.16
400	1.89	2.38	2.85	3.32	3.86	4.13	4.44	5.10	5.84	6.67	7.92	9.06	11.13	0.02	0.10	0.16	0.18
450	2.06	2.59	3.12	3.63	4.23	4.53	4.87	5.59	6.42	7.32	8.70	9.93	12.22	0.02	0.12	0.18	0.21
500	2.22	2.81	3.38	3.94	4.59	4.91	5.29	6.07	6.97	7.95	9.57	10.91	13.09	0.03	0.13	0.21	0.23
550	2.39	3.00	3.63	4.23	4.95	5.29	5.69	6.53	7.48	8.54	10.29	11.70	14.05	0.03	0.14	0.23	0.25
600	2.54	3.22	3.88	4.53	5.28	5.66	6.08	6.99	8.00	9.12	11.05	12.54	14.84	0.03	0.15	0.25	0.28
650	2.69	3.41	4.11	4.81	5.61	6.11	6.46	7.41	8.49	9.67	11.74	13.29	15.63	0.03	0.17	0.27	0.30
700	2.83	3.60	4.34	5.08	5.93	6.34	6.83	7.83	8.96	10.20	12.43	14.04	16.42	0.04	0.18	0.29	0.32
750	2.96	3.77	4.56	5.34	6.23	6.67	7.18	8.23	9.41	10.69	13.11	14.79	17.21	0.04	0.19	0.31	0.35
800	3.09	3.94	4.77	5.58	6.52	6.99	7.52	8.62	9.84	11.17	13.80	15.54	17.67	0.04	0.21	0.33	0.37
850	3.22	4.11	4.98	5.83	6.81	7.29	7.84	8.97	10.26	11.62	14.29	16.04	18.13	0.04	0.22	0.35	0.39
900	3.34	4.28	5.18	6.07	7.10	7.59	8.16	9.34	10.65	12.05	14.78	16.53	18.59	0.05	0.23	0.37	0.42
950	3.46	4.43	5.38	6.31	7.35	7.87	8.47	9.69	11.03	12.45	15.27	17.03	19.05	0.05	0.24	0.39	0.44
1000	3.57	4.59	5.56	6.51	7.61	8.15	8.76	10.01	11.38	12.82	15.76	17.53	19.51	0.05	0.26	0.41	0.46
1050	3.68	4.73	5.75	6.73	7.86	8.41	9.04	10.31	11.72	13.18	16.24	18.02	19.97	0.05	0.27	0.43	0.48
1100	3.78	4.87	5.92	6.93	8.10	8.66	9.31	10.62	12.03	13.49	16.73	18.52	20.43	0.06	0.28	0.45	0.51
1150	3.89	5.01	6.09	7.14	8.33	8.91	9.56	10.89	12.32	13.78	17.22	19.01	20.89	0.06	0.29	0.47	0.53
1200	3.99	5.14	6.25	7.32	8.55	9.14	9.81	11.16	12.59	14.05	17.71	19.51		0.06	0.31	0.49	0.55
1250	4.07	5.27	6.42	7.51	8.76	9.35	10.03	11.40	12.84	14.28	17.90			0.06	0.32	0.51	0.58
1300	4.16	5.39	6.56	7.68	8.95	9.57	10.25	11.63	13.07	14.48	18.09			0.07	0.33	0.53	0.60
1350	4.24	5.51	6.71	7.85	9.15	9.76	10.45	11.85	13.27	14.66	18.27			0.07	0.35	0.55	0.62
1400	4.33	5.62	6.85	8.00	9.33	9.95	10.65	12.04	13.46	14.80	18.46			0.07	0.36	0.57	0.65
1450	4.41	5.72	6.98	8.16	9.49	10.13	10.83	12.21	13.62	14.91	18.65			0.07	0.37	0.59	0.67
1500	4.48	5.82	7.10	8.31	9.66	10.29	10.99	12.38	13.75	14.99	18.84			0.08	0.38	0.62	0.69
1550	4.55	5.92	7.21	8.43	9.81	10.44	11.15	12.52	13.86	15.03	19.02			0.08	0.40	0.64	0.71
1600	4.61	6.02	7.33	8.56	9.94	10.58	11.29	12.65	13.94	15.03	19.21			0.08	0.41	0.66	0.74
1650	4.68	6.10	7.43	8.68	10.07	10.74	11.40	12.74	14.01	15.01				0.08	0.42	0.68	0.76
1700	4.73	6.18	7.54	8.79	10.18	10.82	11.51	12.83	14.04	14.95				0.09	0.44	0.70	0.78
1750	4.80	6.25	7.62	8.90	10.28	10.92	11.61	12.90	14.04	14.84				0.09	0.45	0.72	0.81
1800	4.84	6.33	7.71	9.00	10.38	11.02	11.71	12.95	14.02	14.71				0.09	0.46	0.74	0.83
1850	4.89	6.39	7.80	9.08	10.47	11.09	11.76	12.97	13.98	14.53				0.09	0.47	0.76	0.85
1900	4.94	6.46	7.86	9.16	10.53	11.16	11.82	12.97	13.90	14.31				0.10	0.49	0.78	0.88
1950	4.97	6.51	7.94	9.22	10.59	11.22	11.85	12.96	13.79	14.05				0.10	0.50	0.80	0.90
2000	5.01	6.57	7.99	9.29	10.64	11.24	11.86	12.93	13.65	13.76				0.10	0.51	0.82	0.92
2050	5.04	6.61	8.05	9.33	10.68	11.26	11.87	12.86	13.49					0.11	0.53	0.84	0.95
2100	5.07	6.65	8.09	9.37	10.70	11.26	11.85	12.79	13.29					0.11	0.54	0.86	0.97
2150	5.09	6.69	8.13	9.41	10.71	11.26	11.82	12.68	13.06					0.11	0.55	0.88	0.99
2200	5.11	6.72	8.16	9.43	10.71	11.24	11.77	12.55	12.80					0.11	0.56	0.90	1.01
2250	5.13	6.74	8.19	9.44	10.69	11.21	11.71	12.40	12.51					0.12	0.58	0.92	1.04
2300	5.14	6.76	8.20	9.45	10.67	11.16	11.63	12.23						0.12	0.59	0.94	1.06
2350	5.15	6.77	8.21	9.44	10.63	11.09	11.52	12.03						0.12	0.60	0.96	1.08
2400	5.15	6.78	8.21	9.43	10.57	11.02	11.40	11.80						0.12	0.62	0.98	1.11
2450	5.15	6.78	8.21	9.40	10.51	10.92	11.28	11.56						0.13	0.63	1.01	1.13
2500	5.15	6.78	8.19	9.36	10.42	10.81	11.12	11.29						0.13	0.64	1.03	1.15
2550	5.14	6.77	8.18	9.31	10.32	10.68								0.13	0.65	1.05	1.18
2600	5.13	6.76	8.14	9.26	10.22	10.53								0.13	0.67	1.07	1.20
2650	5.11	6.74	8.10	9.19	10.10	10.37								0.14	0.68	1.09	1.22
2700	5.09	6.71	8.06	9.12	9.96	10.21								0.14	0.69	1.11	1.25
2750	5.07	6.67	8.00	9.02	9.81	10.02								0.14	0.71	1.13	1.27
2800	5.03	6.64	7.94	8.92	9.63									0.14	0.72	1.15	1.29
2850	5.02	6.61	7.87	8.81	9.45									0.15	0.73	1.17	1.31
2900	4.96	6.54	7.80	8.68	9.26									0.15	0.74	1.19	1.34
2950	4.92	6.49	7.71	8.55	9.04									0.15	0.76	1.21	1.36
3000	4.87	6.43	7.61	8.41	8.80									0.15	0.77	1.23	1.38





**Section C: Power Rating P (kW) for Arc of Contact 180° (Table 7)**

n (rpm)	Pitch diameter of the smaller pulley (mm)								Additional Power (kW) per belt for speed ratio			
	180	200	212	224	236	250	265	280	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	4.51	5.66	6.35	7.02	7.69	8.47	9.28	10.09	0.08	0.40	0.63	0.71
950	5.60	7.08	7.95	8.81	9.67	10.64	11.67	12.69	0.11	0.54	0.86	0.97
1450	7.23	9.24	10.42	11.79	12.67	14.21	15.59	16.85	0.16	0.82	1.31	1.48
2850	7.54	10.13	11.11	12.34					0.32	1.61	2.58	2.90
50	0.53	0.64	0.70	0.76	0.83	0.90	0.98	1.06	0.01	0.03	0.05	0.05
100	1.06	1.28	1.40	1.52	1.66	1.80	1.96	2.12	0.01	0.06	0.09	0.10
150	1.59	1.92	2.10	2.28	2.49	2.70	2.94	3.18	0.02	0.08	0.14	0.15
200	1.69	2.07	2.30	2.52	2.75	3.00	3.28	3.55	0.02	0.11	0.18	0.20
250	2.11	2.59	2.88	3.15	3.44	3.75	4.10	4.44	0.03	0.14	0.23	0.25
300	2.35	2.90	3.22	3.54	3.87	4.24	4.64	5.03	0.03	0.17	0.27	0.31
350	2.74	3.38	3.76	4.13	4.52	4.95	5.41	5.87	0.04	0.20	0.32	0.36
400	3.13	3.87	4.29	4.72	5.16	5.65	6.19	6.71	0.05	0.23	0.36	0.41
450	3.23	4.02	4.48	4.95	5.41	5.94	6.51	7.07	0.05	0.25	0.41	0.46
500	3.59	4.47	4.98	5.50	6.01	6.60	7.23	7.86	0.06	0.28	0.45	0.51
550	3.77	4.71	5.26	5.81	6.36	6.99	7.67	8.33	0.06	0.31	0.50	0.56
600	4.11	5.14	5.74	6.34	6.94	7.63	8.37	9.09	0.07	0.34	0.54	0.61
650	4.46	5.57	6.22	6.87	7.52	8.26	9.06	9.84	0.07	0.37	0.59	0.66
700	4.51	5.66	6.35	7.02	7.69	8.47	9.28	10.09	0.08	0.40	0.63	0.71
750	4.83	6.06	6.80	7.52	8.24	9.08	9.94	10.81	0.08	0.42	0.68	0.76
800	4.97	6.26	7.02	7.77	8.52	9.38	10.29	11.18	0.09	0.45	0.72	0.81
850	5.28	6.65	7.46	8.26	9.05	9.97	10.93	11.88	0.10	0.48	0.77	0.87
900	5.59	7.04	7.90	8.74	9.59	10.55	11.58	12.58	0.10	0.51	0.81	0.92
950	5.60	7.08	7.95	8.81	9.67	10.64	11.67	12.69	0.11	0.54	0.86	0.97
1000	5.90	7.45	8.37	9.27	10.18	11.20	12.28	13.36	0.11	0.57	0.91	1.02
1050	5.98	7.58	8.52	9.45	10.37	11.42	12.52	13.60	0.12	0.59	0.95	1.07
1100	6.27	7.94	8.93	9.90	10.86	11.96	13.12	14.25	0.12	0.62	1.00	1.12
1150	6.50	8.27	9.31	10.31	11.31	12.51	13.71	14.69	0.13	0.65	1.04	1.17
1200	6.50	8.27	9.31	10.33	11.33	12.69	13.79	14.83	0.14	0.68	1.09	1.22
1250	6.77	8.61	9.70	10.76	11.80	12.99	14.24	15.45	0.14	0.71	1.13	1.27
1300	6.81	8.69	9.78	10.86	11.91	13.10	14.35	15.56	0.15	0.74	1.18	1.32
1350	7.07	9.02	10.16	11.28	12.37	13.60	14.90	16.16	0.15	0.76	1.22	1.37
1400	7.21	9.22	10.41	11.70	12.63	14.11	15.45	16.76	0.16	0.79	1.27	1.42
1450	7.23	9.24	10.42	11.79	12.67	14.21	15.59	16.85	0.16	0.82	1.31	1.48
1500	7.41	9.56	10.78	11.96	13.11	14.41	15.77	17.06	0.17	0.85	1.36	1.53
1550	7.45	9.57	10.78	11.97	13.11	14.41	15.79	17.09	0.18	0.88	1.40	1.58
1600	7.69	9.88	11.13	12.36	13.53	14.88	16.24	17.55	0.18	0.91	1.45	1.63
1650	7.71	10.19	11.48	12.74	13.59	15.34	16.29	17.59	0.19	0.93	1.49	1.68
1700	7.77	10.19	11.49	12.75	13.66	15.41	16.33	17.60	0.19	0.96	1.54	1.73
1750	7.91	10.27	11.58	12.85	14.06	15.43	16.81	17.87	0.20	0.99	1.58	1.78
1800	7.93	10.28	11.59	12.89	14.09	15.56	16.89	17.88	0.20	1.02	1.63	1.83
1850	8.11	10.48	11.82	13.01	14.69	15.70	17.09	18.38	0.21	1.05	1.67	1.88
1900	8.11	10.49	11.89	13.03	14.73	15.75	17.10	18.87	0.22	1.07	1.72	1.93
1950	8.12	10.50	11.99	13.06	14.75	15.85	17.11	18.69	0.22	1.10	1.77	1.98
2000	8.19	10.55	12.08	13.40	14.64	15.99	17.33	18.56	0.23	1.13	1.81	2.04
2050	8.20	10.58	12.09	13.42	14.40	16.05	17.35	18.12	0.23	1.16	1.86	2.09
2100	8.40	10.84	12.21	13.52	14.39	16.08	17.38	18.11	0.24	1.19	1.90	2.14
2150	8.41	11.10	12.25	13.84	14.37	16.47	17.80	18.03	0.24	1.22	1.95	2.19
2200	8.42	11.68	12.26	13.61	14.35	16.00	16.90	18.02	0.25	1.24	1.99	2.24
2250	8.43	11.69	12.29	13.58	14.29	16.00	16.89	18.01	0.25	1.27	2.04	2.29
2300	8.44	11.90	12.29	13.56	14.28	15.98	16.73		0.26	1.30	2.08	2.34
2350	8.45	11.91	12.30	13.55	14.21	15.94	16.73		0.27	1.33	2.13	2.39
2400	8.61	11.14	12.54	13.49	14.19	15.41	16.45		0.27	1.36	2.20	2.44
2450	8.45	10.83	11.91	13.45	14.18	15.39	16.41		0.28	1.39	2.22	2.49
2500	8.35	10.82	11.89	13.37	14.15	15.01	16.40		0.28	1.41	2.26	2.54
2550	8.25	10.70	11.76	13.33	13.94				0.29	1.44	2.31	2.60
2600	8.24	10.69	11.75	13.16	13.91				0.29	1.47	2.35	2.65
2650	8.21	10.65	11.65	13.12	13.61				0.30	1.50	2.40	2.70
2700	7.86	10.20	11.42	12.49	13.59				0.31	1.53	2.44	2.75
2750	7.75	10.19	11.41	12.45	13.49				0.31	1.56	2.49	2.80
2800	7.66	10.14	11.12	12.42					0.32	1.58	2.53	2.85
2850	7.54	10.13	11.11	12.34					0.32	1.61	2.58	2.90
2900	7.51	10.10	10.75	11.91					0.33	1.64	2.63	2.95
2950	7.40	9.47	10.73	11.87					0.33	1.67	2.67	3.00
3000	7.40	9.39	10.55	11.86					0.34	1.70	2.72	3.05
3050	6.98	9.23							0.35	1.73	2.76	3.10
3100	6.75	9.23							0.35	1.75	2.81	3.15
3150	6.63	8.62							0.36	1.78	2.85	3.21
3200	6.61	8.61							0.36	1.81	2.90	3.26
3250	6.52	8.59							0.37	1.84	2.94	3.31



### Section C: Power Rating P (kW) for Arc of Contact 180° (Table 8)

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	300	315	335	355	375	400	450	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	11.13	11.94	12.98	14.00	15.79	16.22	18.58	0.08	0.40	0.63	0.71
950	14.01	14.98	16.24	17.47	18.66	20.13	22.79	0.11	0.54	0.86	0.97
1450	18.59	19.63	20.62	22.68	23.13	24.46	26.56	0.16	0.82	1.31	1.48
2850								0.32	1.61	2.58	2.90
50	1.16	1.24	1.34	1.44	1.54	1.67	1.92	0.01	0.03	0.05	0.05
100	2.32	2.48	2.68	2.88	3.08	3.34	3.84	0.01	0.06	0.09	0.10
150	3.48	3.72	4.02	4.32	4.62	5.01	5.76	0.02	0.08	0.14	0.15
200	3.92	4.19	4.55	4.91	5.26	5.70	6.57	0.02	0.11	0.18	0.20
250	4.90	5.24	5.69	6.14	6.58	7.13	8.21	0.03	0.14	0.23	0.25
300	5.55	5.94	6.45	6.97	7.47	8.10	9.34	0.03	0.17	0.27	0.31
350	6.48	6.93	7.53	8.13	8.72	9.45	10.90	0.04	0.20	0.32	0.36
400	7.40	7.92	8.60	9.29	9.96	10.80	12.45	0.05	0.23	0.36	0.41
450	7.81	8.36	9.09	10.45	11.20	11.41	13.14	0.05	0.25	0.41	0.46
500	8.68	9.29	10.10	11.55	12.35	12.68	14.60	0.06	0.28	0.45	0.51
550	9.21	9.86	10.72	11.57	12.41	13.44	15.46	0.06	0.31	0.50	0.56
600	10.05	10.76	11.69	12.62	13.54	14.66	16.87	0.07	0.34	0.54	0.61
650	10.88	11.65	12.67	13.67	14.67	15.88	18.27	0.07	0.37	0.59	0.66
700	11.13	11.94	12.98	14.00	15.79	16.22	18.58	0.08	0.40	0.63	0.71
750	11.93	12.79	13.91	15.00	16.32	17.38	19.91	0.08	0.42	0.68	0.76
800	12.36	13.23	14.36	15.47	16.56	17.89	20.42	0.09	0.45	0.72	0.81
850	13.13	14.06	15.26	16.44	17.60	19.01	21.70	0.10	0.48	0.77	0.87
900	13.91	14.88	16.16	17.40	18.63	20.13	22.69	0.10	0.51	0.81	0.92
950	14.01	14.98	16.24	17.47	18.66	20.13	22.79	0.11	0.54	0.86	0.97
1000	14.75	15.77	17.10	18.39	19.64	21.16	23.99	0.11	0.57	0.91	1.02
1050	15.01	16.03	17.36	18.64	19.88	21.36	24.07	0.12	0.59	0.95	1.07
1100	15.73	16.79	18.19	19.53	20.83	22.38	24.62	0.12	0.62	1.00	1.12
1150	16.44	17.56	18.36	20.42	20.94	22.48	25.11	0.13	0.65	1.04	1.17
1200	16.49	17.61	18.82	20.60	21.42	22.90	25.53	0.14	0.68	1.09	1.22
1250	17.02	18.15	19.60	20.99	22.31	23.30	25.88	0.14	0.71	1.13	1.27
1300	17.11	18.22	19.64	20.98	22.33	23.69	26.17	0.15	0.74	1.18	1.32
1350	17.77	18.92	20.40	21.79	22.86	23.98	26.37	0.15	0.76	1.22	1.37
1400	18.43	19.62	20.60	22.59	22.87	24.26	26.49	0.16	0.79	1.27	1.42
1450	18.59	19.63	20.62	22.68	23.13	24.46	26.56	0.16	0.82	1.31	1.48
1500	18.70	19.86	21.33	22.69	23.93	25.10	26.54	0.17	0.85	1.36	1.53
1550	18.79	19.71	21.36	22.36	23.48	24.70	26.43	0.18	0.88	1.40	1.58
1600	19.20	20.35	21.39	22.50	23.44	24.69	26.24	0.18	0.91	1.45	1.63
1650	19.80	20.98	21.49	22.61	23.43	24.69	25.96	0.19	0.93	1.49	1.68
1700	19.81	20.97	21.54	22.67	24.36	24.59	25.59	0.19	0.96	1.54	1.73
1750	19.85	20.96	22.89	22.66	23.33	24.42	25.13	0.20	0.99	1.58	1.78
1800	19.89	20.95	22.59	22.65				0.20	1.02	1.63	1.83
1850	19.94	20.92	22.55	22.59				0.21	1.05	1.67	1.88
1900	20.48	20.47	21.57	22.44				0.22	1.07	1.72	1.93
1950	19.52	20.47	21.56	22.39				0.22	1.10	1.77	1.98
2000	19.51	20.44	21.32	22.02				0.23	1.13	1.81	2.04
2050	19.44							0.23	1.16	1.86	2.09
2100	19.43							0.24	1.19	1.90	2.14
2150	19.23							0.24	1.22	1.95	2.19
2200	19.21							0.25	1.24	1.99	2.24
2250	19.20							0.25	1.27	2.04	2.29



**Section 25: Power Rating P (kW) for Arc of Contact 180° (Table 9)**

n (rpm)	Pitch diameter of the smaller pulley (mm)													Additional Power (kW) per belt for speed ratio			
	224	236	250	280	315	355	400	450	500	560	630	710	800	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	6.08	6.91	7.89	9.93	12.24	14.81	17.57	20.49	23.25	26.33	31.16	34.53	37.65	0.12	0.61	0.97	1.09
950	7.34	8.40	9.62	12.17	15.01	18.08	21.29	24.54	27.42	30.36				0.16	0.82	1.32	1.48
1450	8.72	10.09	11.63	14.73	17.99	21.15	23.97	26.07						0.25	1.26	2.01	2.26
50	0.75	0.83	0.92	1.11	1.34	1.59	1.88	2.19	2.50	2.88	3.56	4.35	5.23	0.01	0.04	0.07	0.08
100	1.35	1.50	1.67	2.03	2.46	2.94	3.48	4.07	4.65	5.34	6.16	7.05	8.09	0.02	0.09	0.14	0.16
150	1.88	2.10	2.34	2.08	3.50	4.19	4.96	5.81	6.66	7.65	8.78	10.05	11.46	0.03	0.13	0.21	0.23
200	2.36	2.65	2.97	3.67	4.46	5.37	6.37	7.47	8.55	9.83	11.39	13.05	14.83	0.03	0.17	0.28	0.31
250	2.84	3.18	3.57	4.42	5.39	6.49	7.71	9.04	10.36	11.91	13.76	15.74	17.88	0.04	0.22	0.35	0.39
300	3.26	3.67	4.14	5.14	6.28	7.56	9.00	10.56	12.09	13.90	16.12	18.42	20.93	0.05	0.26	0.42	0.47
350	3.68	4.14	4.68	5.82	7.13	8.60	10.23	12.01	13.75	15.79	18.27	20.84	23.64	0.06	0.30	0.49	0.55
400	4.07	4.59	5.20	6.47	7.95	9.60	11.43	13.41	15.33	17.59	20.42	23.25	26.35	0.07	0.35	0.55	0.62
450	4.44	5.02	5.69	7.12	8.74	10.56	12.56	14.73	16.85	19.30	22.36	25.41	28.64	0.08	0.39	0.62	0.70
500	4.80	5.44	6.17	7.73	9.50	11.48	13.66	16.02	18.29	20.92	24.30	27.56	30.92	0.09	0.43	0.69	0.78
550	5.15	5.83	6.62	8.30	10.23	12.37	14.71	17.23	19.66	22.44	26.00	29.37	32.80	0.10	0.48	0.76	0.86
600	5.47	6.21	7.06	8.87	10.92	13.21	15.72	18.38	20.94	23.85	27.70	31.18	34.68	0.10	0.52	0.83	0.94
650	5.78	6.57	7.49	9.41	11.60	14.03	16.67	19.47	22.14	25.15	29.43	32.85	36.17	0.11	0.56	0.90	1.01
700	6.08	6.91	7.89	9.93	12.24	14.81	17.57	20.49	23.25	26.33	31.16	34.53	37.65	0.12	0.61	0.97	1.09
750	6.36	7.24	8.27	10.42	12.86	15.54	18.43	21.45	24.28	27.40	32.89	36.20	39.14	0.13	0.65	1.04	1.17
800	6.53	7.55	8.63	10.89	13.44	16.24	19.23	22.34	25.22	28.34				0.14	0.69	1.11	1.25
850	6.88	7.95	8.99	11.34	14.00	16.90	19.97	23.14	26.05	29.15				0.15	0.74	1.18	1.33
900	7.12	8.13	9.31	11.77	14.52	17.51	20.66	23.88	26.79	29.82				0.16	0.78	1.25	1.40
950	7.34	8.40	9.62	12.17	15.01	18.08	21.29	24.54	27.42	30.36				0.16	0.82	1.32	1.48
1000	7.54	8.65	9.91	12.54	15.47	18.61	21.86	25.11	27.94	30.73				0.17	0.87	1.39	1.56
1050	7.74	8.88	10.19	12.89	15.89	19.09	22.37	25.61	28.34	30.96				0.18	0.91	1.46	1.64
1100	7.92	9.10	10.44	13.23	16.29	19.53	22.82	26.00	28.63	31.01				0.19	0.95	1.53	1.72
1150	8.08	9.30	10.67	13.52	16.64	19.91	23.20	26.31	28.80	30.90				0.20	1.00	1.60	1.79
1200	8.23	9.58	10.88	13.79	16.96	20.26	23.51	26.53	28.85	30.61				0.21	1.04	1.66	1.87
1250	8.36	9.63	11.07	14.04	17.24	20.54	23.75	26.64	28.75	30.14				0.22	1.08	1.73	1.95
1300	8.47	9.77	11.25	14.26	17.48	20.78	23.93	26.65						0.23	1.13	1.80	2.03
1350	8.57	9.90	11.40	14.45	17.69	20.96	24.01	26.57						0.23	1.17	1.87	2.10
1400	8.66	10.00	11.52	14.61	17.86	21.08	24.03	26.36						0.24	1.21	1.94	2.18
1450	8.72	10.09	11.63	14.73	17.99	21.15	23.97	26.07						0.25	1.26	2.01	2.26
1500	8.77	10.15	11.72	14.84	18.06	21.16	23.82	25.64						0.26	1.30	2.08	2.34
1550	8.80	10.21	11.78	14.91	18.10	21.11								0.27	1.34	2.15	2.42
1600	8.82	10.23	11.81	14.94	18.09	20.99								0.28	1.39	2.22	2.49
1650	8.81	10.24	11.82	14.94	18.04	20.82								0.29	1.43	2.29	2.57
1700	8.78	10.22	11.81	14.92	17.94	20.58								0.29	1.47	2.36	2.65
1750	8.74	10.19	11.77	14.84	17.80	20.27								0.30	1.52	2.43	2.73
1800	8.68	10.12	11.71	14.74	17.60									0.31	1.56	2.50	2.81
1850	8.60	10.05	11.62	14.61	17.37									0.32	1.60	2.57	2.88
1900	8.50	9.94	11.50	14.43	17.07									0.33	1.65	2.64	2.96
1950	8.38	9.81	11.36	14.22	16.71									0.34	1.69	2.70	3.04
2000	8.24	9.66	11.19	13.97	16.32									0.35	1.73	2.77	3.12
2050	8.08	9.48	10.99	13.69										0.36	1.78	2.84	3.20
2100	7.89	9.28	10.75	13.36										0.36	1.82	2.91	3.27
2150	7.68	9.05	10.50	12.99										0.37	1.86	2.98	3.35
2200	7.46	8.81	10.21	12.58										0.38	1.91	3.05	3.43
2250	7.20	8.53	9.89	12.13										0.39	1.95	3.12	3.51
2300	6.93	8.22	9.53											0.40	1.99	3.19	3.59
2350	6.63	7.89	9.16											0.41	2.04	3.26	3.66
2400	6.31	7.53	8.74											0.42	2.08	3.33	3.74
2450	5.97	7.15	8.29											0.42	2.12	3.40	3.82
2500	5.60	6.73	7.81											0.43	2.17	3.47	3.90



### Section D: Power Rating P (kW) for Arc of Contact 180° (Table 10)

n (rpm)	Pitch diameter of the smaller pulley (mm)										Additional Power (kW) per belt for speed ratio			
	315	335	355	375	400	425	450	475	500	530	1.01	1.06	1.27	For
											1.05	1.26	1.57	1.57
700	16.05	17.41	20.12	22.10	24.53	26.89	29.20	30.36	33.65	34.92	0.23	1.14	1.82	2.05
950	19.43	21.38	24.35	26.71	29.56	32.28	34.88	35.92	39.69	40.72	0.31	1.54	2.47	2.78
20	0.83	0.98	1.01	1.09	1.20	1.30	1.41	1.52	1.62	1.75	0.01	0.03	0.05	0.06
40	1.53	1.76	1.86	2.02	2.22	2.42	2.61	2.84	3.01	3.33	0.01	0.06	0.10	0.12
60	2.18	2.47	2.65	2.89	3.17	3.47	3.76	4.07	4.33	4.72	0.02	0.10	0.16	0.18
80	2.79	3.05	3.40	3.71	4.08	4.46	4.84	5.09	5.59	5.91	0.03	0.13	0.21	0.23
100	3.38	3.63	4.13	4.50	4.97	5.43	5.89	6.12	6.80	7.11	0.03	0.16	0.26	0.29
120	3.95	4.21	4.83	5.27	5.82	6.36	6.91	7.15	7.98	8.31	0.04	0.19	0.31	0.35
140	4.49	4.79	5.51	6.02	6.65	7.28	7.90	8.17	9.14	9.50	0.05	0.23	0.36	0.41
160	5.03	5.37	6.17	6.75	7.47	8.17	8.87	9.20	10.26	10.70	0.05	0.26	0.42	0.47
180	5.54	5.95	6.83	7.47	8.25	9.04	9.82	10.22	11.36	11.89	0.06	0.29	0.47	0.53
200	6.05	6.53	7.47	8.16	9.03	9.89	10.75	11.25	12.44	13.09	0.06	0.32	0.52	0.58
220	6.55	7.05	8.09	8.85	9.80	10.73	11.67	12.18	13.51	14.14	0.07	0.36	0.57	0.64
240	7.04	7.56	8.69	9.51	10.54	11.55	12.56	13.11	14.55	15.19	0.08	0.39	0.62	0.70
260	7.51	8.08	9.29	10.17	11.28	12.36	13.44	14.03	15.57	16.25	0.08	0.42	0.68	0.76
280	7.98	8.59	9.88	10.83	11.99	13.16	14.30	14.96	16.58	17.30	0.09	0.45	0.73	0.82
300	8.43	9.11	10.46	11.46	12.71	13.93	15.15	15.89	17.57	18.35	0.10	0.49	0.78	0.88
320	8.88	9.58	11.03	12.09	13.40	14.70	15.99	16.73	18.53	19.33	0.10	0.52	0.83	0.94
340	9.32	10.04	11.58	12.71	14.08	15.46	16.81	17.58	19.49	20.31	0.11	0.55	0.88	0.99
360	9.77	10.51	12.14	13.30	14.75	16.19	17.62	18.42	20.42	21.28	0.12	0.58	0.94	1.05
380	10.19	10.97	12.67	13.90	15.41	16.93	18.41	19.27	21.34	22.26	0.12	0.62	0.99	1.11
400	10.61	11.44	13.20	14.48	16.07	17.64	19.19	20.11	22.24	23.24	0.13	0.65	1.04	1.17
420	11.01	11.88	13.72	15.06	16.71	18.31	19.96	20.87	23.13	24.11	0.14	0.68	1.09	1.23
440	11.42	12.32	14.24	15.62	17.34	19.04	20.71	21.62	23.99	24.99	0.14	0.71	1.14	1.29
460	11.82	12.75	14.74	16.18	17.96	19.71	21.45	22.38	24.84	25.86	0.15	0.75	1.20	1.34
480	12.21	13.19	15.24	16.73	18.56	20.38	22.18	23.13	25.68	26.74	0.16	0.78	1.25	1.40
500	12.59	13.63	15.72	17.26	19.16	21.03	22.88	23.89	26.49	27.61	0.16	0.81	1.30	1.46
520	12.97	14.03	16.20	17.79	19.75	21.68	23.58	24.54	27.29	28.40	0.17	0.84	1.35	1.52
540	13.35	14.44	16.67	18.30	20.33	22.31	24.27	25.19	28.08	29.19	0.18	0.88	1.40	1.58
560	13.70	14.84	17.14	18.82	20.88	22.92	24.93	25.84	28.83	29.97	0.18	0.91	1.46	1.64
580	14.06	15.25	17.59	19.31	21.44	23.53	25.59	26.49	29.58	30.76	0.19	0.94	1.51	1.69
600	14.41	15.65	18.03	19.80	21.98	24.13	26.23	27.34	30.30	31.55	0.19	0.97	1.56	1.75
620	14.75	16.00	18.47	20.29	22.51	24.71	26.85	27.94	31.02	32.22	0.20	1.01	1.61	1.81
640	15.09	16.35	18.89	20.75	23.04	25.27	27.46	28.55	31.70	32.90	0.21	1.04	1.66	1.87
660	15.42	16.71	19.31	21.21	23.54	25.82	28.06	29.15	32.37	33.57	0.21	1.07	1.72	1.93
680	15.74	17.06	19.72	21.66	24.03	26.37	28.63	29.76	33.02	34.25	0.22	1.10	1.77	1.99
700	16.05	17.41	20.12	22.10	24.53	26.89	29.20	30.36	33.65	34.92	0.23	1.14	1.82	2.05
720	16.37	17.79	20.52	22.53	25.00	27.41	29.76	30.86	34.25	35.49	0.23	1.17	1.87	2.10
740	16.67	18.04	20.90	22.95	25.46	27.91	30.28	31.36	34.84	36.05	0.24	1.20	1.92	2.16
760	16.97	18.33	21.27	23.36	25.90	28.39	30.81	31.86	35.41	36.62	0.25	1.23	1.98	2.22
780	17.25	18.41	21.63	23.76	26.14	28.86	31.31	32.36	35.95	37.18	0.25	1.27	2.03	2.28
800	17.54	18.63	21.98	24.15	26.78	29.33	31.79	32.86	36.48	37.75	0.26	1.30	2.08	2.34
820	17.81	19.09	22.33	24.53	27.18	29.77	32.26	32.91	36.98	38.18	0.27	1.33	2.13	2.40
840	18.08	19.28	22.67	24.89	27.58	30.20	32.71	33.46	37.46	38.61	0.27	1.36	2.18	2.45
860	18.34	19.67	23.00	25.24	27.97	30.61	33.15	34.02	37.92	39.03	0.28	1.40	2.24	2.51
880	18.60	19.89	23.32	25.59	28.35	31.01	33.46	34.57	38.36	39.46	0.29	1.43	2.29	2.57
900	18.84	20.04	23.63	25.92	28.71	31.40	33.96	35.12	38.77	39.89	0.29	1.46	2.34	2.63
920	19.08	20.44	23.93	26.25	29.06	31.76	34.35	35.45	39.15	40.20	0.30	1.49	2.39	2.69
940	19.31	21.31	24.21	26.57	29.40	32.11	34.70	35.77	39.59	40.51	0.31	1.53	2.44	2.75
960	19.53	21.43	24.50	26.86	29.72	32.45	35.05	36.10	39.86	40.83	0.31	1.56	2.50	2.81
980	19.75	21.54	24.76	27.15	30.03	32.77	35.37	36.42	40.16	41.14	0.32	1.59	2.55	2.86
1000	19.96	22.04	25.02	27.43	30.32	33.08	35.69	36.75	40.46	41.45	0.32	1.62	2.60	2.92
1020	20.16	22.14	25.26	27.69	30.60	33.36	35.97	36.97	40.72	41.61	0.33	1.66	2.65	2.98
1040	20.36	22.31	25.50	27.95	30.87	33.63	36.24	37.19	40.95	41.77	0.34	1.69	2.70	3.04
1060	20.54	22.69	25.74	28.19	31.12	33.88	36.49	37.41	41.16	41.92	0.34	1.72	2.76	3.10
1080	20.72	22.81	25.95	28.41	31.35	34.13	36.72	37.63	41.35	42.08	0.35	1.75	2.81	3.16
1100	20.90	23.98	26.16	28.63	31.57	34.35	36.93	37.85	41.51	42.24	0.36	1.79	2.86	3.21
1120	21.00	24.12	26.36	28.83	31.78	34.55	37.12	37.96	41.63	42.26	0.36	1.82	2.91	3.27
1140	21.10	24.21	26.53	29.03	31.97	34.73	37.28	38.08	41.74	42.29	0.37	1.85	2.96	3.33
1160	21.36	24.36	26.71	29.21	32.14	34.89	37.42	38.19	41.80	42.31	0.38	1.88	3.02	3.39
1180	21.49	24.44	26.87	29.37	32.32	35.04	37.55	38.31	41.85	42.34	0.38	1.92	3.07	3.45
1200	21.62	24.98	27.02	29.53	32.46	35.18	37.65	38.42	41.86	42.36	0.39	1.95	3.12	3.51
1220	21.75	25.06	27.15	29.66	32.59	35.28	37.73	38.41	41.84	42.31	0.40	1.98	3.17	3.56
1240	21.85	25.44	27.29	29.79	32.71	35.37	37.79	38.40	41.80	42.18	0.40	2.01	3.22	3.62
1260	21.96	25.54	27.39	29.89	32.80	35.45	37.82	38.38	41.73	41.82	0.41	2.05	3.28	3.68
1280	22.05	25.61	27.50	30.01	32.88	35.51	37.83	38.37	41.62	41.64	0.42	2.08	3.33	3.74
1300	22.14	25.78	27.59	30.08	32.95	35.53	37.82	38.36	41.49	41.46	0.42	2.11	3.38	3.80
1320	22.22	25.81	27.67	30.15	32.99	35.54	37.79	38.22	41.14	41.12	0.43	2.14	3.43	3.86
1340	22.29	25.89	27.74	30.20	33.02	35.53	37.74	38.08	40.22	40.78	0.44	2.18	3.48	3.92
1360	22.34	25.98	27.79	30.24	33.03	35.51	37.65	37.93	39.94	40.43	0.44	2.21	3.53	3.97
1380	22.40	26.09	27.84	30.27	33.03	35.46	37.55	37.79	39.04	40.09	0.45	2.24	3.59	4.03
1400	22.44	26.09	27.86	30.29	33.23	35.39	37.41	37.65	38.09	39.75	0.45	2.27	3.64	4.09





**Section D: Power Rating P (kW) for Arc of Contact 180° (Table 11)**

n (rpm)	Pitch diameter of the smaller pulley (mm)									Additional Power (kW) per belt for speed ratio			
	560	600	630	670	710	750	800	900	1000	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	38.65	40.35	44.01	46.81	49.43	51.85	54.57	58.98		0.23	1.14	1.82	2.05
950	44.72	45.72	49.48	51.61						0.31	1.54	2.47	2.78
20	1.86	1.99	2.15	2.31	2.48	2.64	2.84	3.23	3.94	0.01	0.03	0.05	0.06
40	3.49	3.98	4.02	4.34	4.64	4.95	5.32	6.07	6.53	0.01	0.06	0.10	0.12
60	5.01	5.55	5.80	6.24	6.68	7.12	7.67	8.76	8.06	0.02	0.10	0.16	0.18
80	6.47	6.93	7.49	8.06	8.64	9.22	9.92	11.34	10.35	0.03	0.13	0.21	0.23
100	7.89	8.32	9.14	9.84	10.54	11.25	12.11	13.83	12.63	0.03	0.16	0.26	0.29
120	9.26	9.71	10.73	11.56	12.39	13.22	14.24	16.25	14.92	0.04	0.19	0.31	0.35
140	10.61	11.09	12.30	13.25	14.20	15.14	16.31	18.62	17.02	0.05	0.23	0.36	0.41
160	11.92	12.48	13.82	14.89	15.96	17.01	18.39	20.92	19.12	0.05	0.26	0.42	0.47
180	13.20	13.86	15.31	16.50	17.68	18.85	20.30	23.16	21.22	0.06	0.29	0.47	0.53
200	14.46	15.25	16.77	18.07	19.36	20.64	22.23	25.35	23.20	0.06	0.32	0.52	0.58
220	15.70	16.51	18.20	19.61	21.01	22.40	24.12	27.49	25.17	0.07	0.36	0.57	0.64
240	16.91	17.77	19.60	21.13	22.63	24.12	25.96	29.57	27.15	0.08	0.39	0.62	0.70
260	18.09	19.02	20.98	22.61	24.21	25.80	27.76	31.59	28.98	0.08	0.42	0.68	0.76
280	19.26	20.28	22.33	24.06	25.76	27.44	29.52	33.56	30.81	0.09	0.45	0.73	0.82
300	20.41	21.54	23.66	25.47	27.27	29.04	31.23	35.47	32.64	0.10	0.49	0.78	0.88
320	21.54	22.68	24.95	26.86	28.75	30.61	32.90	37.32	34.33	0.10	0.52	0.83	0.94
340	22.64	23.83	26.22	28.22	30.20	32.13	34.51	39.11	36.03	0.11	0.55	0.88	0.99
360	23.72	24.97	27.46	29.55	31.61	33.62	36.09	40.85	37.72	0.12	0.58	0.94	1.05
380	24.78	26.12	29.68	30.85	32.98	35.06	37.61	42.51	39.48	0.12	0.62	0.99	1.11
400	25.82	27.26	29.86	32.11	34.31	36.47	39.09	44.11	41.24	0.13	0.65	1.04	1.17
420	26.84	28.27	31.02	33.34	35.62	37.83	40.53	45.65	42.99	0.14	0.68	1.09	1.23
440	27.83	29.27	32.05	34.55	36.88	39.14	41.91	47.11	44.75	0.14	0.71	1.14	1.29
460	28.80	30.28	33.25	35.71	38.09	40.43	43.23	48.51	46.51	0.15	0.75	1.20	1.34
480	29.76	31.28	34.32	36.83	39.28	41.65	44.50	49.84	47.86	0.16	0.78	1.25	1.40
500	30.68	32.29	35.36	37.94	40.43	42.83	45.73	51.09	49.21	0.16	0.81	1.30	1.46
520	31.59	33.16	36.37	39.00	41.53	43.96	46.88	52.26	50.56	0.17	0.84	1.35	1.52
540	32.48	34.03	37.36	40.02	42.59	45.06	48.00	53.35	51.91	0.18	0.88	1.40	1.58
560	33.34	34.90	38.30	41.00	43.61	46.08	49.04	54.37	53.26	0.18	0.91	1.46	1.64
580	34.00	35.77	39.22	41.96	44.57	47.07	50.02	55.29	54.13	0.19	0.94	1.51	1.69
600	34.98	36.64	40.11	42.87	45.51	48.01	50.95	56.13	55.00	0.19	0.97	1.56	1.75
620	35.76	37.38	40.95	43.74	46.39	48.89	51.89	56.89	55.88	0.20	1.01	1.61	1.81
640	36.53	38.12	41.77	44.57	47.22	49.71	52.59	57.55	56.75	0.21	1.04	1.66	1.87
660	37.26	38.87	42.55	45.36	48.01	50.48	53.33	58.13	57.62	0.21	1.07	1.72	1.93
680	37.97	39.61	43.29	46.11	48.74	51.19	53.98	58.60		0.22	1.10	1.77	1.99
700	38.65	40.35	44.01	46.81	49.43	51.85	54.57	58.98		0.23	1.14	1.82	2.05
720	39.30	40.93	44.68	47.47	50.06	52.44	55.09	59.25		0.23	1.17	1.87	2.10
740	39.93	41.51	45.31	48.09	50.64	52.97	55.53	59.43		0.24	1.20	1.92	2.16
760	40.53	42.10	45.91	48.66	51.18	53.45	55.90	59.50		0.25	1.23	1.98	2.22
780	41.10	42.68	46.45	49.18	51.65	53.84	55.90	59.50		0.25	1.27	2.03	2.28
800	41.64	43.26	46.97	49.65	52.07	54.19	56.41	59.33		0.26	1.30	2.08	2.34
820	42.16	43.66	47.45	50.09	52.43	54.46				0.27	1.33	2.13	2.40
840	42.63	44.06	47.88	50.46	52.73	54.66				0.27	1.36	2.18	2.45
860	43.08	44.45	48.27	50.79	52.97	54.80				0.28	1.40	2.24	2.51
880	43.50	44.85	48.62	51.06	53.15	54.86				0.29	1.43	2.29	2.57
900	43.89	45.25	48.92	51.29	53.28	54.86				0.29	1.46	2.34	2.63
920	44.25	45.46	49.17	51.46						0.30	1.49	2.39	2.69
940	44.56	45.68	49.38	51.58						0.31	1.53	2.44	2.75
960	44.86	45.89	49.55	51.63						0.31	1.56	2.50	2.81
980	45.11	46.11	49.67	51.64						0.32	1.59	2.55	2.86
1000	45.33	46.32	49.74	51.59						0.32	1.62	2.60	2.92
1020	45.52	46.35	49.76							0.33	1.66	2.65	2.98
1040	45.66	46.39	49.73							0.34	1.69	2.70	3.04
1060	45.78	46.42	49.64							0.34	1.72	2.76	3.10
1080	45.85	46.46	49.52							0.35	1.75	2.81	3.16
1100	45.89	46.49	49.33							0.36	1.79	2.86	3.21
1120	45.90	46.26								0.36	1.82	2.91	3.27
1140	45.85	46.04								0.37	1.85	2.96	3.33
1160	45.78	45.81								0.38	1.88	3.02	3.39
1180	45.65	45.59								0.38	1.92	3.07	3.45
1200	45.50	45.36								0.39	1.95	3.12	3.51





**Section E: Power Rating P (kW) for Arc of Contact 180° (Table 12)**

n (rpm)	Pitch diameter of the smaller pulley (mm)									Additional Power (kW) per belt for speed ratio			
	400	500	560	630	670	710	750	800	860	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	28.03	33.59	39.81	46.41	49.82	52.97	55.83	59.00	61.69	0.38	1.92	3.07	3.45
950	31.56	37.41	43.40	48.83						0.52	2.60	4.16	4.68
20	1.55	1.82	2.14	2.51	2.71	2.93	3.13	3.39	3.65	0.01	0.05	0.09	0.10
40	2.85	3.36	3.96	4.65	5.06	5.45	5.83	6.32	6.81	0.02	0.11	0.18	0.20
60	4.05	4.79	5.66	6.67	7.24	7.80	8.37	9.07	9.77	0.03	0.16	0.26	0.30
80	5.18	6.14	7.27	8.59	9.33	10.06	10.80	11.70	12.61	0.04	0.22	0.35	0.39
100	6.28	7.44	8.83	10.43	11.34	12.24	13.13	14.25	15.35	0.05	0.27	0.44	0.49
120	7.32	8.70	10.34	12.22	13.28	14.34	15.40	16.71	18.00	0.07	0.33	0.53	0.59
140	8.33	9.92	11.80	13.96	15.18	16.40	17.60	19.09	20.57	0.08	0.38	0.61	0.69
160	9.32	11.10	13.22	15.65	17.02	18.38	19.74	21.41	23.08	0.09	0.44	0.70	0.79
180	10.27	12.25	14.60	17.30	18.82	20.33	21.83	23.68	25.51	0.10	0.49	0.79	0.89
200	11.20	13.38	15.95	18.90	20.56	22.22	23.85	25.87	27.88	0.11	0.55	0.88	0.98
220	12.12	14.48	17.27	20.47	22.27	24.06	25.83	28.02	30.18	0.12	0.60	0.96	1.08
240	13.00	15.55	18.55	22.01	23.95	25.86	27.76	30.10	32.40	0.13	0.66	1.05	1.18
260	13.86	16.59	19.81	23.49	25.57	27.61	29.63	32.12	34.58	0.14	0.71	1.14	1.28
280	14.71	17.62	21.04	24.95	27.15	29.32	31.45	34.09	36.68	0.15	0.77	1.23	1.38
300	15.53	18.61	22.24	26.37	28.69	30.97	33.22	35.99	38.70	0.16	0.82	1.31	1.48
320	16.33	19.59	23.40	27.75	30.19	32.58	34.94	37.83	40.66	0.18	0.88	1.40	1.58
340	17.12	20.54	24.55	29.11	31.65	34.15	36.60	39.61	42.55	0.19	0.93	1.49	1.67
360	17.89	21.47	25.66	30.41	33.06	35.67	38.21	41.33	44.36	0.20	0.99	1.58	1.77
380	18.65	22.38	26.74	31.68	34.44	37.13	39.77	42.98	46.10	0.21	1.04	1.66	1.87
400	19.37	23.26	27.79	32.92	35.76	38.55	41.27	44.56	47.76	0.22	1.09	1.75	1.97
420	20.08	24.12	28.82	34.12	37.06	39.92	42.71	46.08	49.34	0.23	1.15	1.84	2.07
440	20.78	24.95	29.82	35.28	38.30	41.22	44.09	47.53	50.84	0.24	1.20	1.93	2.17
460	21.44	25.77	30.78	36.40	39.49	42.48	45.40	48.90	52.26	0.25	1.26	2.02	2.27
480	22.10	26.55	31.72	37.47	40.63	43.69	46.65	50.20	53.58	0.26	1.31	2.10	2.36
500	22.74	27.32	32.62	38.51	41.73	44.85	47.84	51.42	54.82	0.27	1.37	2.19	2.46
520	23.36	28.06	33.49	39.51	42.78	45.94	48.97	52.58	55.97	0.28	1.42	2.28	2.56
540	23.96	28.84	34.33	40.45	43.78	46.97	50.02	53.64	57.02	0.30	1.48	2.37	2.66
560	24.54	29.47	35.14	41.36	44.73	47.94	51.01	54.62	57.97	0.31	1.53	2.45	2.76
580	25.09	30.14	35.91	42.22	45.62	48.86	51.93	55.51	58.82	0.32	1.59	2.54	2.86
600	25.63	30.78	36.64	43.04	46.46	49.70	52.77	56.33	59.57	0.33	1.64	2.63	2.95
620	26.15	31.40	37.35	43.81	47.24	50.50	53.54	57.05	60.22	0.34	1.70	2.72	3.05
640	26.65	31.99	38.02	44.53	47.98	51.21	54.23	57.69	60.76	0.35	1.75	2.80	3.15
660	27.14	32.55	38.66	45.21	48.65	51.87	54.84	58.22	61.18	0.36	1.81	2.89	3.25
680	27.59	33.08	39.25	45.82	49.26	52.45	55.37	58.66	61.50	0.37	1.86	2.98	3.35
700	28.03	33.59	39.81	46.41	49.82	52.97	55.83	59.00	61.69	0.38	1.92	3.07	3.45
720	28.44	34.07	40.34	46.93	50.31	53.40	56.20	59.24		0.39	1.97	3.15	3.55
740	28.83	34.52	40.82	47.39	50.74	53.77	56.48	59.38		0.41	2.03	3.24	3.64
760	29.20	34.95	41.27	47.81	51.10	54.06	56.68	59.42		0.42	2.08	3.33	3.74
780	29.55	35.34	41.67	48.17	51.40	54.28	56.78	59.35		0.43	2.14	3.42	3.84
800	29.88	35.70	42.04	48.46	51.63	54.42	56.79	59.17		0.44	2.19	3.50	3.94
820	30.18	36.03	42.36	48.71	51.80	54.47				0.45	2.24	3.59	4.04
840	30.46	36.34	42.64	48.90	51.90	54.45				0.46	2.30	3.68	4.14
860	30.72	36.60	42.88	49.03	51.92	54.35				0.47	2.35	3.77	4.24
880	30.94	36.84	43.08	49.09	51.88	54.16				0.48	2.41	3.86	4.33
900	31.15	37.05	43.23	49.10	51.76	53.87				0.49	2.46	3.94	4.43
920	31.33	37.22	43.33	49.04						0.50	2.52	4.03	4.53
940	31.49	37.35	43.39	48.92						0.51	2.57	4.12	4.63
960	31.62	37.46	43.40	48.73						0.53	2.63	4.21	4.73
980	31.73	37.52	43.36	48.47						0.54	2.68	4.29	4.83
1000	31.80	37.56	43.28	48.16						0.55	2.74	4.38	4.92
1020	31.85	37.56	43.14	47.76						0.56	2.79	4.47	5.02
1040	31.87	37.51	42.96	47.31						0.57	2.85	4.56	5.12
1060	31.87	37.44	42.73	46.78						0.58	2.90	4.64	5.22
1080	31.84	37.33	42.44	46.17						0.59	2.96	4.73	5.32
1100	31.78	37.17	42.11	45.50						0.60	3.01	4.82	5.42
1120	31.69	36.98	41.71							0.61	3.07	4.91	5.52
1140	31.58	36.76	41.27							0.62	3.12	4.99	5.61
1160	31.43	36.49	40.76							0.64	3.18	5.08	5.71
1180	31.25	36.18	40.21							0.65	3.23	5.17	5.81
1200	31.04	35.83	39.59							0.66	3.28	5.26	5.91
1220	30.83	35.44								0.67	3.34	5.34	6.01
1240	30.53	35.12								0.68	3.39	5.43	6.11
1260	30.22	34.52								0.69	3.45	5.52	6.21
1280	29.89	34.14								0.70	3.50	5.61	6.30
1300	29.52	33.44								0.71	3.56	5.70	6.40







**Section E: Power Rating P (kW) for Arc of Contact 180° (Table 13)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	900	950	1000	1120	1250	1400	1600	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	63.88	65.54						0.38	1.92	3.07	3.45
950								0.52	2.60	4.16	4.68
20	3.90	4.16	4.41	5.26	5.91	6.71	7.74	0.01	0.05	0.09	0.10
40	7.28	7.76	8.24	8.58	9.69	10.98	12.67	0.02	0.11	0.18	0.20
60	10.46	11.16	11.84	11.90	13.47	15.24	17.59	0.03	0.16	0.26	0.30
80	13.52	14.41	15.30	15.24	17.25	19.52	22.51	0.04	0.22	0.35	0.39
100	16.45	17.53	18.62	18.57	21.03	23.81	27.42	0.05	0.27	0.44	0.49
120	19.29	20.56	21.84	21.91	24.81	28.09	32.34	0.07	0.33	0.53	0.59
140	22.05	23.50	24.95	24.96	28.24	31.95	36.75	0.08	0.38	0.61	0.69
160	24.73	26.35	27.97	28.01	31.67	35.81	41.16	0.09	0.44	0.70	0.79
180	27.33	29.13	30.90	31.06	35.10	39.67	45.57	0.10	0.49	0.79	0.89
200	29.85	31.81	33.74	33.86	38.23	43.13	49.41	0.11	0.55	0.88	0.98
220	32.31	34.41	36.49	36.65	41.35	46.60	53.25	0.12	0.60	0.96	1.08
240	34.68	36.93	39.14	39.45	44.48	50.06	57.09	0.13	0.66	1.05	1.18
260	36.98	39.36	41.69	41.97	47.25	53.07	60.33	0.14	0.71	1.14	1.28
280	39.21	41.70	44.15	44.48	50.01	56.07	63.56	0.15	0.77	1.23	1.38
300	41.36	43.96	46.50	47.00	52.78	59.08	66.80	0.16	0.82	1.31	1.48
320	43.43	46.13	48.76	49.24	55.20	61.61	69.36	0.18	0.88	1.40	1.58
340	45.41	48.20	50.91	51.48	57.63	64.15	71.92	0.19	0.93	1.49	1.67
360	47.31	50.17	52.95	53.72	60.05	66.68	74.48	0.20	0.99	1.58	1.77
380	49.12	52.05	54.87	55.67	62.05	68.67	76.23	0.21	1.04	1.66	1.87
400	50.85	53.82	56.67	57.63	64.05	70.66	77.98	0.22	1.09	1.75	1.97
420	52.48	55.48	58.35	59.58	66.05	72.65	79.73	0.23	1.15	1.84	2.07
440	54.01	57.03	59.90	61.19	67.60	74.06	80.61	0.24	1.20	1.93	2.17
460	55.45	58.47	61.33	62.79	69.14	75.35	81.49	0.25	1.26	2.02	2.27
480	56.78	59.79	62.61	64.40	70.69	76.71	82.37	0.26	1.31	2.10	2.36
500	58.01	61.20	63.77	65.64	71.76	77.39		0.27	1.37	2.19	2.46
520	59.14	62.07	64.78	66.88	72.83	78.09		0.28	1.42	2.28	2.56
540	60.14	63.03	65.64	68.12	73.90	78.78		0.30	1.48	2.37	2.66
560	61.05	63.84	66.35	68.97	74.42			0.31	1.53	2.45	2.76
580	61.83	64.52	66.89	69.83	74.95			0.32	1.59	2.54	2.86
600	62.49	65.06	67.28	70.68	75.47			0.33	1.64	2.63	2.95
620	63.03	65.47						0.34	1.70	2.72	3.05
640	63.44	65.71						0.35	1.75	2.80	3.15
660	63.72	65.80						0.36	1.81	2.89	3.25
680	63.87	65.75						0.37	1.86	2.98	3.35
700	63.88	65.54						0.38	1.92	3.07	3.45





**Section SPZ/3V: Power Rating P (kW) for Arc of Contact 180° (Table 14)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	63	71	80	85	90	95	100	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	0.49	0.68	0.88	0.99	1.10	1.22	1.32	0.01	0.06	0.09	0.11
950	0.61	0.85	1.12	1.26	1.41	1.56	1.69	0.01	0.09	0.12	0.15
1450	0.85	1.20	1.59	1.81	2.02	2.24	2.45	0.02	0.13	0.19	0.23
2850	1.37	2.01	2.73	3.11	3.48	3.87	4.24	0.04	0.26	0.37	0.46
100	0.10	0.13	0.16	0.18	0.20	0.22	0.24	0.00	0.01	0.01	0.02
200	0.17	0.23	0.29	0.32	0.36	0.40	0.44	0.00	0.02	0.03	0.03
300	0.24	0.32	0.40	0.45	0.51	0.56	0.62	0.00	0.03	0.04	0.05
400	0.29	0.40	0.50	0.57	0.64	0.71	0.79	0.01	0.04	0.05	0.06
500	0.34	0.47	0.60	0.68	0.77	0.86	0.95	0.01	0.05	0.07	0.08
600	0.44	0.60	0.78	0.87	0.97	1.07	1.16	0.01	0.06	0.08	0.10
700	0.49	0.68	0.88	0.99	1.10	1.22	1.32	0.01	0.06	0.09	0.11
800	0.54	0.75	0.98	1.10	1.23	1.36	1.47	0.01	0.07	0.11	0.13
900	0.59	0.82	1.08	1.20	1.35	1.49	1.62	0.01	0.08	0.12	0.15
950	0.61	0.85	1.12	1.26	1.41	1.56	1.69	0.01	0.09	0.12	0.15
1000	0.63	0.88	1.17	1.31	1.47	1.62	1.77	0.01	0.09	0.13	0.16
1100	0.71	0.98	1.29	1.46	1.63	1.80	1.97	0.02	0.10	0.14	0.18
1200	0.75	1.05	1.38	1.56	1.75	1.93	2.11	0.02	0.11	0.16	0.19
1300	0.79	1.11	1.47	1.66	1.86	2.06	2.25	0.02	0.12	0.17	0.21
1400	0.83	1.17	1.55	1.76	1.97	2.18	2.39	0.02	0.13	0.18	0.23
1450	0.85	1.20	1.59	1.81	2.02	2.24	2.45	0.02	0.13	0.19	0.23
1500	0.87	1.23	1.63	1.85	2.08	2.30	2.52	0.02	0.14	0.20	0.24
1600	0.93	1.32	1.76	2.00	2.23	2.47	2.70	0.02	0.15	0.21	0.26
1700	0.97	1.38	1.84	2.09	2.34	2.59	2.83	0.02	0.16	0.22	0.27
1800	1.00	1.43	1.92	2.18	2.44	2.70	2.96	0.03	0.17	0.24	0.29
1900	1.03	1.49	2.00	2.27	2.54	2.81	3.08	0.03	0.18	0.25	0.31
2000	1.07	1.54	2.07	2.36	2.63	2.92	3.20	0.03	0.19	0.26	0.32
2100	1.13	1.63	2.18	2.48	2.73	3.08	3.37	0.03	0.19	0.28	0.34
2200	1.16	1.68	2.25	2.56	2.82	3.19	3.49	0.03	0.19	0.28	0.34
2300	1.19	1.73	2.32	2.64	2.91	3.29	3.60	0.03	0.21	0.30	0.37
2400	1.22	1.78	2.39	2.72	3.00	3.39	3.71	0.03	0.22	0.32	0.39
2500	1.24	1.82	2.46	2.80	3.08	3.49	3.82	0.04	0.23	0.33	0.40
2600	1.31	1.90	2.57	2.93	3.28	3.64	3.99	0.04	0.24	0.34	0.42
2700	1.34	1.94	2.63	3.00	3.36	3.73	4.09	0.04	0.25	0.35	0.44
2800	1.36	1.99	2.70	3.08	3.45	3.82	4.19	0.04	0.26	0.36	0.45
2850	1.37	2.01	2.73	3.11	3.48	3.87	4.24	0.04	0.26	0.37	0.46
2900	1.38	2.03	2.76	3.15	3.52	3.91	4.29	0.04	0.27	0.38	0.47
3000	1.41	2.07	2.81	3.21	3.60	4.00	4.38	0.04	0.28	0.39	0.48
3100	1.45	2.15	2.91	3.33	3.74	4.14	4.54	0.04	0.29	0.41	0.50
3200	1.47	2.19	2.97	3.39	3.81	4.22	4.63	0.05	0.30	0.42	0.52
3300	1.49	2.22	3.02	3.46	3.88	4.30	4.71	0.05	0.31	0.43	0.53
3400	1.51	2.26	3.07	3.52	3.95	4.37	4.79	0.05	0.31	0.45	0.55
3500	1.52	2.29	3.12	3.57	4.01	4.44	4.87	0.05	0.32	0.46	0.56
3600	1.58	2.36	3.22	3.68	4.14	4.59	5.03	0.05	0.33	0.47	0.58
3700	1.60	2.39	3.27	3.73	4.20	4.66	5.10	0.05	0.34	0.49	0.60
3800	1.61	2.42	3.31	3.78	4.26	4.72	5.17	0.05	0.35	0.50	0.61
3900	1.62	2.45	3.35	3.83	4.31	4.78	5.24	0.06	0.36	0.51	0.63
4000	1.63	2.47	3.39	3.88	4.36	4.84	5.30	0.06	0.37	0.53	0.64
4100	1.68	2.55	3.49	4.00	4.49	4.97	5.45	0.06	0.38	0.54	0.66
4200	1.69	2.57	3.53	4.04	4.54	5.02	5.51	0.06	0.39	0.55	0.68
4300	1.70	2.60	3.56	4.08	4.58	5.07	5.56	0.06	0.40	0.57	0.69
4400	1.71	2.61	3.59	4.12	4.62	5.11	5.60	0.06	0.41	0.58	0.71
4500	1.71	2.63	3.62	4.15	4.66	5.16	5.65	0.06	0.42	0.59	0.73
4600	1.76	2.70	3.71	4.26	4.73	5.30	5.79	0.06	0.42	0.59	0.73
4700	1.76	2.72	3.74	4.29	4.76	5.34	5.83	0.07	0.44	0.62	0.76
4800	1.77	2.73	3.76	4.32	4.79	5.37	5.86	0.07	0.44	0.63	0.77
4900	1.77	2.74	3.78	4.34	4.82	5.40	5.89	0.07	0.45	0.64	0.79
5000	1.77	2.75	3.80	4.36	4.84	5.42	6.01	0.07	0.46	0.66	0.81
5100	1.81	2.82	3.89	4.47	5.02	5.55	6.03	0.07	0.47	0.67	0.82
5200	1.81	2.83	3.91	4.49	5.04	5.57	6.05	0.07	0.48	0.68	0.84
5300	1.81	2.83	3.92	4.50	5.05	5.58	6.10	0.08	0.49	0.70	0.85
5400	1.82	2.84	3.93	4.51	5.07	5.66	6.11	0.08	0.50	0.71	0.87
5500	1.82	2.84	3.93	4.52	5.07	5.67	6.11	0.08	0.51	0.72	0.89
5600	1.84	2.90	4.03	4.62	5.18	5.72	6.23	0.08	0.52	0.74	0.90
5800	1.84	2.90	4.03	4.62	5.18	5.72	6.23	0.08	0.54	0.76	0.93
6000	1.84	2.91	4.03	4.70	5.27	5.80	6.23	0.09	0.56	0.79	0.97
6200	1.84	2.92	4.08	4.71	5.24	5.80	6.32	0.09	0.59	0.84	1.03
6400	1.83	2.93	4.10	4.73	5.24	5.81	6.30	0.09	0.61	0.87	1.06
6600	1.81	2.96	4.14	4.74	5.24	5.82	6.30	0.10	0.63	0.89	1.10
6800	1.77	2.92	4.09	4.70	5.23	5.76	6.21	0.10	0.65	0.92	1.13
7000	1.74	2.92	4.09	4.70	5.23	5.76	6.21	0.10	0.67	0.95	1.16
7200	1.74	2.91	4.06	4.69	5.23	5.63	6.06	0.11	0.69	0.97	1.19
7400	1.68	2.85	4.02	4.60	5.11	5.60	6.05	0.11	0.70	1.00	1.22
7600	1.66	2.85	4.02	4.60	5.11	5.56	5.85	0.11	0.72	1.03	1.26
7800	1.59	2.77	3.91	4.47	4.96	5.38	5.82	0.11	0.74	1.05	1.29
8000	1.57	2.76	3.91	4.46	4.94	5.34	5.67	0.11	0.76	1.08	1.32
8200	1.48	2.66	3.78	4.30	4.75	5.11	5.40	0.12	0.78	1.10	1.35
8400	1.39	2.55	3.63	4.13	4.54	4.86	5.10	0.14	0.79	1.13	1.38





**Section SPZ/3V: Power Rating P (kW) for Arc of Contact 180° (Table 15)**

n (rpm)	Pitch diameter of the smaller pulley (mm)								Additional Power (kW) per belt for speed ratio			
	112	125	132	140	150	160	180	200	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	1.58	1.87	2.02	2.19	2.41	2.61	3.04	3.45	0.01	0.06	0.09	0.11
950	2.04	2.41	2.61	2.83	3.11	3.38	3.93	4.45	0.01	0.09	0.12	0.15
1450	2.96	3.49	3.78	4.10	4.50	4.90	5.66	6.41	0.02	0.13	0.19	0.23
2850	5.11	6.01	6.48	7.01	7.65	8.25	9.39	10.52	0.04	0.26	0.37	0.46
100	0.28	0.33	0.35	0.38	0.42	0.45	0.52	0.59	0.00	0.01	0.01	0.02
200	0.51	0.61	0.64	0.70	0.77	0.83	0.96	1.09	0.00	0.02	0.03	0.03
300	0.72	0.86	0.91	0.99	1.10	1.18	1.37	1.56	0.00	0.03	0.04	0.05
400	0.92	1.10	1.17	1.27	1.42	1.52	1.76	2.01	0.01	0.04	0.05	0.06
500	1.12	1.33	1.41	1.54	1.72	1.84	2.14	2.43	0.01	0.05	0.07	0.08
600	1.39	1.64	1.77	1.92	2.11	2.29	2.66	3.02	0.01	0.06	0.08	0.10
700	1.58	1.87	2.02	2.19	2.41	2.61	3.04	3.45	0.01	0.06	0.09	0.11
800	1.77	2.09	2.26	2.45	2.70	2.93	3.40	3.86	0.01	0.07	0.11	0.13
900	1.95	2.31	2.49	2.71	2.98	3.23	3.75	4.26	0.01	0.08	0.12	0.15
950	2.04	2.41	2.61	2.83	3.11	3.38	3.93	4.45	0.01	0.09	0.12	0.15
1000	2.13	2.52	2.72	2.95	3.25	3.53	4.10	4.65	0.01	0.09	0.13	0.16
1100	2.37	2.79	3.02	3.28	3.60	3.92	4.54	5.16	0.02	0.10	0.14	0.18
1200	2.54	3.00	3.24	3.52	3.87	4.21	4.87	5.53	0.02	0.11	0.16	0.19
1300	2.71	3.20	3.46	3.76	4.13	4.49	5.20	5.90	0.02	0.12	0.17	0.21
1400	2.88	3.39	3.67	3.99	4.38	4.76	5.51	6.25	0.02	0.13	0.18	0.23
1450	2.96	3.49	3.78	4.10	4.50	4.90	5.66	6.41	0.02	0.13	0.19	0.23
1500	3.04	3.58	3.88	4.21	4.62	5.03	5.81	6.58	0.02	0.14	0.20	0.24
1600	3.26	3.85	4.16	4.52	4.95	5.39	6.23	7.05	0.02	0.15	0.21	0.26
1700	3.42	4.04	4.36	4.74	5.19	5.65	6.52	7.37	0.02	0.16	0.22	0.27
1800	3.57	4.22	4.56	4.95	5.42	5.89	6.80	7.67	0.03	0.17	0.24	0.29
1900	3.72	4.39	4.74	5.15	5.64	6.13	7.06	7.96	0.03	0.18	0.25	0.31
2000	3.87	4.56	4.93	5.35	5.85	6.36	7.31	8.23	0.03	0.19	0.26	0.32
2100	4.07	4.81	5.20	5.64	6.17	6.70	7.72	8.68	0.03	0.19	0.28	0.34
2200	4.21	4.98	5.38	5.83	6.37	6.92	7.96	8.93	0.03	0.19	0.28	0.34
2300	4.35	5.13	5.55	6.01	6.57	7.12	8.18	9.26	0.03	0.21	0.30	0.37
2400	4.48	5.29	5.71	6.19	6.76	7.32	8.39	9.48	0.03	0.22	0.32	0.39
2500	4.61	5.44	5.87	6.36	6.94	7.51	8.59	9.68	0.04	0.23	0.33	0.40
2600	4.81	5.67	6.12	6.63	7.25	7.84	8.97	10.01	0.04	0.24	0.34	0.42
2700	4.93	5.81	6.27	6.79	7.42	8.01	9.15	10.18	0.04	0.25	0.35	0.44
2800	5.05	5.95	6.41	6.94	7.58	8.18	9.31	10.45	0.04	0.26	0.36	0.45
2850	5.11	6.01	6.48	7.01	7.65	8.25	9.39	10.52	0.04	0.26	0.37	0.46
2900	5.17	6.08	6.55	7.08	7.73	8.33	9.46	10.59	0.04	0.27	0.38	0.47
3000	5.28	6.20	6.68	7.22	7.87	8.47	9.59	10.70	0.04	0.28	0.39	0.48
3100	5.47	6.43	6.93	7.49	8.16	8.79	9.96	10.99	0.04	0.29	0.41	0.50
3200	5.57	6.55	7.05	7.61	8.29	8.91	10.07	11.07	0.05	0.30	0.42	0.52
3300	5.67	6.66	7.16	7.73	8.40	9.03	10.16	11.27	0.05	0.31	0.43	0.53
3400	5.77	6.76	7.27	7.84	8.51	9.13	10.24	11.31	0.05	0.31	0.45	0.55
3500	5.86	6.86	7.37	7.94	8.60	9.21	10.30	11.32	0.05	0.32	0.46	0.56
3600	6.04	7.08	7.61	8.20	8.88	9.52	10.65	11.56	0.05	0.33	0.47	0.58
3700	6.12	7.17	7.70	8.29	8.96	9.59	10.68	11.56	0.05	0.34	0.49	0.60
3800	6.20	7.25	7.78	8.36	9.12	9.64	10.83	11.67	0.05	0.35	0.50	0.61
3900	6.27	7.32	7.85	8.43	9.18	9.68	10.83	11.67	0.06	0.36	0.51	0.63
4000	6.34	7.51	7.91	8.49	9.23	9.71	10.85	11.68	0.06	0.37	0.53	0.64
4100	6.53	7.57	8.15	8.73	9.41	10.01	11.00	11.68	0.06	0.38	0.54	0.66
4200	6.59	7.63	8.20	8.77	9.44	10.02	11.01	11.53	0.06	0.39	0.55	0.68
4300	6.64	7.78	8.24	8.81	9.55	10.13	11.03	11.36	0.06	0.40	0.57	0.69
4400	6.69	7.82	8.28	8.87	9.55	10.15	11.02	11.30	0.06	0.41	0.58	0.71
4500	6.73	7.86	8.30	8.99	9.55	10.20	11.00	11.29	0.06	0.42	0.59	0.73
4600	6.91	8.00	8.53	9.09	9.70	10.23	10.97		0.06	0.42	0.59	0.73
4700	6.94	8.02	8.54	9.09	9.70	10.23	10.85		0.07	0.44	0.62	0.76
4800	6.97	8.04	8.54	9.17	9.71	10.22	10.85		0.07	0.44	0.63	0.77
4900	6.99	8.16	8.54	9.17	9.71	10.22	10.65		0.07	0.45	0.64	0.79
5000	7.01	8.16	8.71	9.18	9.73	10.16	10.43		0.07	0.46	0.66	0.81
5100	7.18	8.20	8.71	9.18	9.75	10.15			0.07	0.47	0.67	0.82
5200	7.19	8.24	8.73	9.18	9.66	10.01			0.07	0.48	0.68	0.84
5300	7.19	8.24	8.75	9.21	9.66	9.85			0.08	0.49	0.70	0.85
5400	7.22	8.26	8.77	9.22	9.66	9.68			0.08	0.50	0.71	0.87
5500	7.25	8.30	8.76	9.16	9.53				0.08	0.51	0.72	0.89
5600	7.33	8.30	8.75	9.16	9.53				0.08	0.52	0.74	0.90
5800	7.33	8.32	8.71	9.07	9.19				0.08	0.54	0.76	0.93
6000	7.36	8.26	8.62	8.93					0.09	0.56	0.79	0.97
6200	7.33	8.07	8.37	8.76					0.09	0.59	0.84	1.03
6400	7.31	8.07	8.35	8.37					0.09	0.61	0.87	1.06
6600	7.25	7.81							0.10	0.62	0.89	1.10
6800	7.06	7.78							0.10	0.62	0.92	1.13
7000	7.05	7.43							0.10	0.67	0.95	1.16
7200	6.92	7.04							0.11	0.69	0.97	1.19
7400	6.76								0.11	0.70	1.00	1.22
7600	6.58								0.11	0.72	1.03	1.26
7800	6.37								0.11	0.74	1.05	1.29
8000	6.00								0.11	0.76	1.08	1.32





**Section SPA: Power Rating P (kW) for Arc of Contact 180° (Table 16)**

n (rpm)	Pitch diameter of the smaller pulley (mm)								Additional Power (kW) per belt for speed ratio			
	90	100	112	118	125	132	140	150	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	1.17	1.55	1.99	2.21	2.47	2.72	3.01	3.37	0.02	0.15	0.21	0.26
950	1.45	1.95	2.52	2.81	3.15	3.48	3.85	4.32	0.03	0.20	0.29	0.36
1450	2.01	2.74	3.58	4.01	4.50	4.98	5.53	6.20	0.05	0.31	0.44	0.54
2850	3.13	4.39	5.87	6.59	7.40	8.21	9.11	10.19	0.09	0.61	0.87	1.07
100	0.23	0.30	0.37	0.40	0.45	0.49	0.54	0.60	0.00	0.02	0.03	0.04
200	0.40	0.53	0.66	0.72	0.81	0.89	0.98	1.09	0.01	0.04	0.06	0.07
300	0.54	0.73	0.92	1.00	1.14	1.25	1.38	1.55	0.01	0.06	0.09	0.11
400	0.75	0.97	1.24	1.37	1.52	1.67	1.85	2.06	0.01	0.09	0.12	0.15
500	0.89	1.15	1.49	1.64	1.83	2.01	2.23	2.49	0.02	0.11	0.15	0.19
600	1.01	1.33	1.72	1.90	2.12	2.33	2.59	2.89	0.02	0.13	0.18	0.22
700	1.17	1.55	1.99	2.21	2.47	2.72	3.01	3.37	0.02	0.15	0.21	0.26
800	1.29	1.71	2.21	2.46	2.75	3.03	3.36	3.76	0.03	0.17	0.24	0.30
900	1.40	1.87	2.42	2.69	3.02	3.33	3.69	4.14	0.03	0.19	0.27	0.34
950	1.45	1.95	2.52	2.81	3.15	3.48	3.85	4.32	0.03	0.20	0.29	0.36
1000	1.55	2.06	2.63	2.98	3.34	3.69	4.09	4.58	0.03	0.22	0.31	0.37
1100	1.65	2.21	2.83	3.21	3.60	3.98	4.41	4.94	0.04	0.24	0.34	0.41
1200	1.75	2.35	3.01	3.42	3.85	4.25	4.72	5.29	0.04	0.26	0.37	0.45
1300	1.88	2.54	3.31	3.70	4.15	4.59	5.09	5.71	0.04	0.28	0.40	0.49
1400	1.97	2.67	3.49	3.91	4.39	4.85	5.38	6.04	0.05	0.30	0.43	0.52
1450	2.01	2.74	3.58	4.01	4.50	4.98	5.53	6.20	0.05	0.31	0.44	0.54
1500	2.06	2.80	3.67	4.11	4.61	5.11	5.67	6.36	0.05	0.32	0.46	0.56
1600	2.19	2.97	3.91	4.37	4.90	5.43	6.02	6.76	0.05	0.34	0.49	0.60
1700	2.27	3.09	4.08	4.56	5.12	5.67	6.29	7.06	0.06	0.37	0.52	0.64
1800	2.35	3.21	4.24	4.74	5.32	5.90	6.55	7.35	0.06	0.39	0.55	0.67
1900	2.46	3.37	4.45	4.98	5.60	6.20	6.89	7.73	0.06	0.41	0.58	0.71
2000	2.53	3.48	4.60	5.15	5.80	6.42	7.13	8.00	0.07	0.43	0.61	0.75
2100	2.60	3.58	4.75	5.32	5.98	6.62	7.36	8.26	0.07	0.45	0.64	0.79
2200	2.70	3.74	4.95	5.55	6.24	6.92	7.68	8.61	0.07	0.47	0.67	0.82
2300	2.76	3.84	5.08	5.70	6.41	7.11	7.89	8.85	0.08	0.49	0.70	0.86
2400	2.81	3.92	5.21	5.85	6.58	7.30	8.09	9.07	0.08	0.52	0.73	0.90
2500	2.92	4.07	5.41	6.07	6.82	7.56	8.39	9.41	0.08	0.54	0.76	0.94
2600	2.97	4.15	5.53	6.20	6.97	7.73	8.57	9.61	0.09	0.56	0.79	0.97
2700	3.01	4.23	5.64	6.33	7.11	7.88	8.74	9.79	0.09	0.58	0.82	1.01
2800	3.11	4.36	5.82	6.53	7.34	8.14	9.03	10.11	0.09	0.60	0.86	1.05
2850	3.13	4.39	5.87	6.59	7.40	8.21	9.11	10.19	0.09	0.61	0.87	1.07
2900	3.15	4.43	5.92	6.64	7.47	8.28	9.18	10.27	0.10	0.62	0.89	1.09
3000	3.18	4.49	6.01	6.74	7.58	8.40	9.31	10.41	0.10	0.65	0.92	1.12
3100	3.26	4.61	6.18	6.94	7.80	8.64	9.58	10.70	0.10	0.67	0.95	1.16
3200	3.29	4.66	6.26	7.03	7.90	8.75	9.69	10.82	0.11	0.69	0.98	1.20
3300	3.31	4.71	6.33	7.11	7.99	8.84	9.79	10.91	0.11	0.71	1.01	1.24
3400	3.39	4.83	6.49	7.29	8.19	9.07	10.03	11.18	0.11	0.73	1.04	1.27
3500	3.40	4.87	6.55	7.36	8.26	9.14	10.10	11.25	0.12	0.75	1.07	1.31
3600	3.41	4.90	6.60	7.41	8.32	9.21	10.16	11.30	0.12	0.77	1.10	1.35
3700	3.49	5.01	6.74	7.57	8.51	9.41	10.39	11.55	0.12	0.80	1.13	1.39
3800	3.49	5.03	6.78	7.61	8.55	9.45	10.42	11.57	0.13	0.82	1.16	1.42
3900	3.49	5.04	6.80	7.64	8.58	9.48	10.44	11.57	0.13	0.84	1.19	1.46
4000	3.55	5.14	6.94	7.79	8.75	9.66	10.54	11.65	0.13	0.86	1.22	1.50
4100	3.56	5.14	6.95	7.80	8.76	9.66	10.60	11.70	0.14	0.88	1.25	1.54
4200	3.57	5.14	6.95	7.80	8.76	9.77	10.61	11.70	0.14	0.90	1.28	1.57
4300	3.58	5.23	7.00	7.95	8.85	9.82	10.79	11.89	0.14	0.93	1.31	1.61
4400	3.55	5.23	7.02	7.95	8.89	9.85	10.79	11.80	0.15	0.95	1.34	1.65
4500	3.52	5.24	7.04	7.95	8.95	9.86	10.80	11.75	0.15	0.97	1.37	1.69
4600	3.52	5.27	7.06	8.03	8.99	9.88	10.82	11.71	0.15	0.99	1.41	1.72
4700	3.52	5.28	7.06	8.03	8.99	9.90	10.81	11.71	0.16	1.01	1.44	1.76
4800	3.50	5.29	7.08	8.04	8.98	9.89	10.80	11.71	0.16	1.03	1.47	1.80
4900	3.45	5.29	7.08	8.05	8.97	9.88	10.72	11.67	0.16	1.05	1.50	1.84
5000	3.45	5.21	7.09	7.95	8.87	9.85	10.56	11.46	0.17	1.08	1.53	1.87
5100	3.41	5.14	7.09	7.86	8.76	9.80	10.49	11.22	0.17	1.10	1.56	1.91
5200	3.41	5.11	7.10	7.85	8.75	9.75	10.39	11.10	0.17	1.12	1.59	1.95
5300	3.38	5.10	7.00	7.84	8.72	9.68	10.28	11.04	0.18	1.14	1.62	1.99
5400	3.35	5.05	6.90	7.79	8.57	9.55	10.05	10.74	0.18	1.16	1.65	2.02
5500	3.33	5.02	6.89	7.79	8.55	9.41	10.00	10.60	0.18	1.18	1.68	2.06
5600	3.24	5.00	6.83	7.64	8.37	9.19	9.86	10.46	0.19	1.21	1.71	2.10
5700	3.16	4.90	6.70	7.48	8.17	8.96	9.57	10.09	0.19	1.23	1.74	2.13
5800	3.15	4.89	6.70	7.48	8.15	8.90	9.55	10.00	0.19	1.25	1.77	2.17
5900	3.07	4.81	6.59	7.36	8.12	8.74	9.29	9.70	0.20	1.27	1.80	2.21
6000	2.97	4.79	6.42	7.16	7.95	8.55	8.94	9.25	0.20	1.29	1.83	2.25
6100	2.96	4.70	6.40	7.16	7.92	8.49	8.90		0.20	1.31	1.86	2.28
6200	2.94	4.56	6.27	6.97	7.65	8.17	8.60		0.21	1.33	1.89	2.32
6300	2.90	4.52	6.07	6.75	7.37	7.83	8.18		0.21	1.36	1.92	2.36
6400	2.71	4.42	6.04	6.75	7.37	7.70	8.14		0.21	1.38	1.96	2.40
6500	2.57	4.25	5.87	6.49	7.07	7.46	7.68		0.22	1.40	1.99	2.43
6600	2.52	4.07	5.63	6.21	6.73				0.22	1.42	2.02	2.47
6700	2.42	4.07	5.62	6.21	6.72				0.22	1.44	2.05	2.51
6800	2.26	3.87	5.36	5.91	6.36				0.23	1.46	2.08	2.55
6900	2.09	3.67	5.08	5.59	5.97				0.23	1.48	2.11	2.58
7000	2.07	3.66	5.07	5.56	5.94				0.23	1.51	2.14	2.62





**Section SPA: Power Rating P (kW) for Arc of Contact 180° (Table 17)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	160	180	200	224	250	280	315	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	3.73	4.44	5.14	5.97	6.85	7.86	9.01	0.02	0.15	0.21	0.26
950	4.79	5.71	6.61	7.67	8.79	10.06	11.49	0.03	0.20	0.29	0.36
1450	6.88	8.19	9.46	10.93	12.47	14.17	16.01	0.05	0.31	0.44	0.54
2850	11.22	13.17	14.92	16.10	18.30	19.67	20.41	0.09	0.61	0.87	1.07
100	0.65	0.77	0.89	1.03	1.18	1.35	1.55	0.00	0.02	0.03	0.04
200	1.19	1.41	1.64	1.90	2.18	2.50	2.87	0.01	0.04	0.06	0.07
300	1.68	2.00	2.33	2.71	3.11	3.57	4.10	0.01	0.06	0.09	0.11
400	2.28	2.70	3.12	3.63	4.16	4.78	5.49	0.01	0.09	0.12	0.15
500	2.75	3.27	3.78	4.40	5.04	5.79	6.65	0.02	0.11	0.15	0.19
600	3.21	3.81	4.41	5.14	5.89	6.76	7.76	0.02	0.13	0.18	0.22
700	3.73	4.44	5.14	5.97	6.85	7.86	9.01	0.02	0.15	0.21	0.26
800	4.16	4.96	5.74	6.67	7.65	8.77	10.04	0.03	0.17	0.24	0.30
900	4.58	5.46	6.33	7.34	8.42	9.64	11.02	0.03	0.19	0.27	0.34
950	4.79	5.71	6.61	7.67	8.79	10.06	11.49	0.03	0.20	0.29	0.36
1000	5.07	6.04	7.00	8.12	9.32	10.66	12.18	0.03	0.22	0.31	0.37
1100	5.47	6.52	7.55	8.75	10.04	11.46	13.07	0.04	0.24	0.34	0.41
1200	5.86	6.98	8.08	9.36	10.72	12.22	13.90	0.04	0.26	0.37	0.45
1300	6.33	7.54	8.72	10.10	11.55	13.17	14.96	0.04	0.28	0.40	0.49
1400	6.70	7.98	9.22	10.66	12.17	13.85	15.68	0.05	0.30	0.43	0.52
1450	6.88	8.19	9.46	10.93	12.47	14.17	16.01	0.05	0.31	0.44	0.54
1500	7.05	8.39	9.69	11.20	12.76	14.48	16.33	0.05	0.32	0.46	0.56
1600	7.49	8.91	10.29	11.89	13.54	15.34	17.29	0.05	0.34	0.49	0.60
1700	7.82	9.30	10.73	12.37	14.06	15.88	17.81	0.06	0.37	0.52	0.64
1800	8.14	9.67	11.14	12.83	14.54	16.35	18.26	0.06	0.39	0.55	0.67
1900	8.56	10.17	11.71	13.47	15.75	17.14	19.10	0.06	0.41	0.58	0.71
2000	8.86	10.51	12.08	13.87	16.18	17.51	19.40	0.07	0.43	0.61	0.75
2100	9.14	10.83	12.43	14.23	16.55	17.82	19.60	0.07	0.45	0.64	0.79
2200	9.53	11.29	12.95	14.81	16.65	18.52	20.32	0.07	0.47	0.67	0.82
2300	9.79	11.57	13.25	15.11	16.92	18.71	20.36	0.08	0.49	0.70	0.86
2400	10.02	11.84	13.52	15.36	17.13	18.82	20.50	0.08	0.52	0.73	0.90
2500	10.39	12.26	14.00	15.90	17.70	19.41	20.87	0.08	0.54	0.76	0.94
2600	10.60	12.48	14.22	16.09	17.82	19.55	20.62	0.09	0.56	0.79	0.97
2700	10.79	12.68	14.41	16.09	17.87	19.65	20.60	0.09	0.58	0.82	1.01
2800	11.14	13.09	14.85	16.10	18.20	19.78	20.58	0.09	0.60	0.86	1.05
2850	11.22	13.17	14.92	16.10	18.30	19.67	20.41	0.09	0.61	0.87	1.07
2900	11.30	13.25	14.98	16.11	18.40	19.53	20.10	0.10	0.62	0.89	1.09
3000	11.45	13.38	15.08	16.11	18.50	19.19		0.10	0.65	0.92	1.12
3100	11.77	13.74	15.47	17.20	18.60			0.10	0.67	0.95	1.16
3200	11.88	13.83	15.51	17.25	18.37			0.11	0.69	0.98	1.20
3300	11.97	13.89	15.60	17.30	18.06			0.11	0.71	1.01	1.24
3400	12.26	14.21	15.70	17.35	18.00			0.11	0.73	1.04	1.27
3500	12.32	14.22	15.80	17.14	17.95			0.12	0.75	1.07	1.31
3600	12.35	14.30	15.90	16.87				0.12	0.77	1.10	1.35
3700	12.62	14.40	15.95	16.80				0.12	0.80	1.13	1.39
3800	12.62	14.45	15.77	16.78				0.13	0.82	1.16	1.42
3900	12.70	14.50	15.60	16.36				0.13	0.84	1.19	1.46
4000	12.82	14.55	15.55	16.30				0.13	0.86	1.22	1.50
4100	12.83	14.39	15.48					0.14	0.88	1.25	1.54
4200	12.84	14.38	15.40					0.14	0.90	1.28	1.57
4300	12.86	14.37	15.30					0.14	0.93	1.31	1.61
4400	12.73	14.25	14.87					0.15	0.95	1.34	1.65
4500	12.57	13.84	14.39					0.15	0.97	1.37	1.69
4600	12.57	13.80						0.15	0.99	1.41	1.72
4700	12.53	13.63						0.16	1.01	1.44	1.76
4800	12.29	13.40						0.16	1.03	1.47	1.80
4900	12.25	13.33						0.16	1.05	1.50	1.84
5000	12.15	12.87						0.17	1.08	1.53	1.87
5100	11.84							0.17	1.10	1.56	1.91
5200	11.70							0.17	1.12	1.59	1.95
5300	11.56							0.18	1.14	1.62	1.99
5400	11.17							0.18	1.16	1.65	2.02
5500	11.00							0.18	1.18	1.68	2.06
5600								0.19	1.21	1.71	2.10
5700								0.19	1.23	1.74	2.13
5800								0.19	1.25	1.77	2.17
5900								0.20	1.27	1.80	2.21
6000								0.20	1.29	1.83	2.25





**Section SPB/5V: Power Rating P (kW) for Arc of Contact 180° (Table 18)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	140	150	160	180	190	200	212	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	3.43	4.00	4.62	5.77	6.34	6.91	7.59	0.05	0.33	0.47	0.58
950	4.36	5.13	5.84	7.33	8.06	8.79	9.67	0.07	0.45	0.64	0.78
1450	6.07	7.13	8.22	10.35	11.40	12.42	13.63	0.11	0.69	0.97	1.20
2850	9.03	10.79	12.49	15.64	17.11	18.49	20.10	0.21	1.35	1.92	2.35
100	0.66	0.76	0.85	1.04	1.14	1.23	1.35	0.01	0.05	0.07	0.08
200	1.16	1.35	1.52	1.88	2.07	2.23	2.46	0.01	0.09	0.13	0.16
300	1.71	1.97	2.12	2.64	2.91	3.15	3.48	0.02	0.14	0.20	0.25
400	2.15	2.48	2.87	3.56	3.91	4.25	4.66	0.03	0.19	0.27	0.33
500	2.55	2.96	3.44	4.28	4.71	5.12	5.62	0.04	0.24	0.34	0.41
600	3.05	3.55	3.97	4.96	5.46	5.95	6.53	0.04	0.28	0.40	0.49
700	3.43	4.00	4.62	5.77	6.34	6.91	7.59	0.05	0.33	0.47	0.58
800	3.85	4.51	5.12	6.41	7.05	7.69	8.45	0.06	0.38	0.54	0.66
900	4.20	4.93	5.60	7.03	7.73	8.43	9.27	0.07	0.43	0.61	0.74
950	4.36	5.13	5.84	7.33	8.06	8.79	9.67	0.07	0.45	0.64	0.78
1000	4.52	5.32	6.20	7.78	8.56	9.33	10.25	0.07	0.47	0.67	0.82
1100	4.95	5.83	6.65	8.36	9.20	10.03	11.02	0.08	0.52	0.74	0.91
1200	5.25	6.20	7.08	8.91	9.80	10.69	11.74	0.09	0.57	0.81	0.99
1300	5.54	6.63	7.63	9.60	10.57	11.52	12.65	0.10	0.62	0.87	1.07
1400	5.94	6.97	8.03	10.11	11.13	12.13	13.31	0.10	0.66	0.94	1.15
1450	6.07	7.13	8.22	10.35	11.40	12.42	13.63	0.11	0.69	0.97	1.20
1500	6.20	7.29	8.40	10.59	11.66	12.70	13.94	0.11	0.71	1.01	1.24
1600	6.54	7.73	8.92	11.23	12.36	13.48	14.79	0.12	0.76	1.08	1.32
1700	6.78	8.02	9.26	11.66	12.83	13.99	15.34	0.12	0.81	1.14	1.40
1800	7.08	8.40	9.58	12.07	13.27	14.47	15.85	0.13	0.85	1.21	1.48
1900	7.29	8.66	10.05	12.67	13.93	15.18	16.63	0.14	0.90	1.28	1.57
2000	7.48	8.89	10.33	13.02	14.31	15.59	17.06	0.15	0.95	1.34	1.65
2100	7.81	9.28	10.59	13.34	14.65	15.95	17.44	0.15	0.99	1.41	1.73
2200	7.97	9.48	11.03	13.89	15.26	16.59	18.14	0.16	1.04	1.48	1.81
2300	8.22	9.79	11.24	14.15	15.54	16.88	18.43	0.17	1.09	1.55	1.90
2400	8.41	9.95	11.43	14.38	15.77	17.12	18.66	0.18	1.14	1.61	1.98
2500	8.58	10.09	11.83	14.88	16.32	17.70	19.29	0.18	1.18	1.68	2.06
2600	8.74	10.42	11.97	15.05	16.48	17.86	19.43	0.19	1.23	1.75	2.14
2700	8.82	10.52	12.09	15.17	16.60	17.96	19.50	0.20	1.28	1.82	2.23
2800	9.01	10.76	12.45	15.61	17.08	18.48	20.05	0.21	1.33	1.88	2.31
2850	9.03	10.79	12.49	15.64	17.11	18.49	20.10	0.21	1.35	1.92	2.35
2900	9.05	10.82	12.52	15.67	17.12	18.49	20.15	0.21	1.37	1.95	2.39
3000	9.07	10.85	12.55	15.68	17.20	18.79	20.20	0.22	1.42	2.02	2.47
3100	9.30	11.12	12.65	15.72	17.30	18.88	20.37	0.23	1.47	2.08	2.56
3200	9.32	11.13	12.75	15.74	17.40	18.93	20.30	0.23	1.52	2.15	2.64
3300	9.33	11.14	12.79	15.84	17.50	18.93	20.25	0.24	1.56	2.22	2.72
3400	9.35	11.18	12.80	15.90	17.63	18.89	20.22	0.25	1.61	2.29	2.80
3500	9.40	11.27	12.82	16.05	17.39	18.58	20.06	0.26	1.66	2.35	2.89
3600	9.45	11.33	12.82	16.06	17.36	18.50	19.84	0.26	1.71	2.42	2.97
3700	9.42	11.25	13.04	16.08	17.36	18.47	19.57	0.27	1.75	2.49	3.05
3800	9.38	11.19	12.84	15.76	16.96	17.97	18.94	0.28	1.80	2.55	3.13
3900	9.21	11.05	12.77	15.58	16.75	17.67	18.83	0.29	1.85	2.62	3.21
4000	9.13	11.00	12.59	15.39	16.68	17.58	18.36	0.29	1.89	2.69	3.30
4100	9.02	10.97	12.46	15.12	16.11	16.89	17.89	0.30	1.94	2.76	3.38
4200	8.89	10.69	12.23	14.71	16.00	16.71	17.31	0.31	1.99	2.82	3.46
4300	8.86	10.65	12.11	14.60	15.58	16.19	16.89	0.32	2.04	2.89	3.54
4400	8.57	10.30	11.81	14.09	14.83	15.29	16.29	0.32	2.08	2.96	3.63
4500	8.30	9.99	11.42	13.45	14.60	14.30	15.50	0.33	2.13	3.03	3.71
4600	8.25	9.92	11.35	13.41	14.50	14.20	15.40	0.34	2.18	3.09	3.79
4700	7.93	9.55	10.89	12.67	13.71	13.51	14.61	0.34	2.23	3.16	3.87
4800	7.82	9.41	10.31	12.38	13.41	13.21	14.31	0.35	2.27	3.23	3.96
4900	7.39	8.90	10.31	11.78	12.81	12.71	13.81	0.36	2.32	3.29	4.04
5000	6.93	8.35	9.65	10.82	12.11	12.11	13.11	0.37	2.37	3.36	4.12
5100	6.92	8.33	8.94	10.11	11.41	11.41	12.41	0.37	2.42	3.43	4.20
5200	6.92	7.71	8.89	10.11	11.11	11.11	12.11	0.38	2.46	3.50	4.29
5300	6.91	7.46	8.10	9.41	10.41	10.41	11.41	0.39	2.51	3.56	4.37
5400	5.79	6.77	7.26	8.41	9.41	9.41	10.41	0.40	2.56	3.63	4.45
5500	5.18	6.03	7.14	7.41	8.41	8.41	9.41	0.40	2.61	3.70	4.53







**Section SPB/5V: Power Rating P (kW) for Arc of Contact 180° (Table 19)**

n (rpm)	Pitch diameter of the smaller pulley (mm)								Additional Power (kW) per belt for speed ratio			
	224	236	250	280	315	355	375	400	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	8.26	8.92	9.70	11.33	13.21	15.30	16.33	17.59	0.05	0.33	0.47	0.58
950	10.52	11.36	12.35	14.41	16.74	19.29	20.53	22.02	0.07	0.45	0.64	0.78
1450	14.83	16.00	17.33	20.09	23.09	26.22	27.66	29.35	0.11	0.69	0.97	1.20
2850	21.57	22.85	24.06	26.20	27.41				0.21	1.35	1.92	2.35
100	1.46	1.57	1.70	1.98	2.30	2.66	2.84	3.07	0.01	0.05	0.07	0.08
200	2.67	2.87	3.12	3.64	4.24	4.91	5.25	5.68	0.01	0.09	0.13	0.16
300	3.77	4.07	4.42	5.17	6.03	6.99	7.47	8.09	0.02	0.14	0.20	0.25
400	5.06	5.47	5.94	6.93	8.08	9.38	10.03	10.82	0.03	0.19	0.27	0.33
500	6.10	6.60	7.17	8.37	9.76	11.33	12.11	13.06	0.04	0.24	0.34	0.41
600	7.10	7.68	8.35	9.75	11.36	13.18	14.08	15.16	0.04	0.28	0.40	0.49
700	8.26	8.92	9.70	11.33	13.21	15.30	16.33	17.59	0.05	0.33	0.47	0.58
800	9.20	9.93	10.80	12.61	14.69	16.98	18.11	19.48	0.06	0.38	0.54	0.66
900	10.09	10.90	11.85	13.82	16.08	18.55	19.76	21.21	0.07	0.43	0.61	0.74
950	10.52	11.36	12.35	14.41	16.74	19.29	20.53	22.02	0.07	0.45	0.64	0.78
1000	11.16	12.06	13.10	15.28	17.75	20.47	21.79	23.39	0.07	0.47	0.67	0.82
1100	11.99	12.96	14.07	16.39	18.99	21.84	23.21	24.85	0.08	0.52	0.74	0.91
1200	12.78	13.80	14.98	17.42	20.14	23.07	24.47	26.13	0.09	0.57	0.81	0.99
1300	13.77	14.87	16.13	18.76	21.67	24.79	26.26	28.02	0.10	0.62	0.87	1.07
1400	14.49	15.63	16.95	19.67	22.64	25.78	27.24	28.96	0.10	0.66	0.94	1.15
1450	14.83	16.00	17.33	20.09	23.09	26.22	27.66	29.35	0.11	0.69	0.97	1.20
1500	15.16	16.35	17.70	20.49	23.50	26.62	28.03	30.35	0.11	0.71	1.01	1.24
1600	16.07	17.33	18.76	21.69	24.86	28.11	29.58	31.26	0.12	0.76	1.08	1.32
1700	16.66	17.95	19.40	22.36	25.51	28.66	30.04	31.57	0.12	0.81	1.14	1.40
1800	17.19	18.51	19.98	22.94	26.03	29.68	31.04	32.53	0.13	0.85	1.21	1.48
1900	18.04	19.40	20.94	24.02	27.20	30.25	31.53	32.86	0.14	0.90	1.28	1.57
2000	18.48	19.85	21.39	24.43	27.48	30.28	31.84	32.99	0.15	0.95	1.34	1.65
2100	18.87	20.24	21.76	24.73	28.24	30.94	31.96	32.89	0.15	0.99	1.41	1.73
2200	19.62	21.04	22.61	25.65	28.58	31.05	31.90	32.57	0.16	1.04	1.48	1.81
2300	19.90	21.31	22.84	25.76	28.70	30.98	31.63		0.17	1.09	1.55	1.90
2400	20.12	21.50	22.99	26.31	28.91	30.74	31.16		0.18	1.14	1.61	1.98
2500	20.79	22.20	23.72	26.50	28.88	30.31			0.18	1.18	1.68	2.06
2600	20.89	22.26	23.72	26.55	28.71				0.19	1.23	1.75	2.14
2700	20.93	22.60	23.85	26.60	28.41				0.20	1.28	1.82	2.23
2800	21.50	22.82	23.99	26.49	27.96				0.21	1.33	1.88	2.31
2850	21.57	22.85	24.06	26.20	27.41				0.21	1.35	1.92	2.35
2900	21.60	22.90	24.08	26.00	26.82				0.21	1.37	1.95	2.39
3000	21.65	22.91	24.13	25.96					0.22	1.42	2.02	2.47
3100	21.70	22.85	23.98						0.23	1.47	2.08	2.56
3200	21.65	22.65	23.40						0.23	1.52	2.15	2.64
3300	21.45	22.52	23.30						0.24	1.56	2.22	2.72
3400	21.35	22.25	23.01						0.25	1.61	2.29	2.80
3500	20.81	21.55	22.11						0.26	1.66	2.35	2.89
3600	20.78								0.26	1.71	2.42	2.97
3700	20.40								0.27	1.75	2.49	3.05
3800	19.60								0.28	1.80	2.55	3.13
3900	19.41								0.29	1.85	2.62	3.21
4000	18.81								0.29	1.89	2.69	3.30







**Section SPC: Power Rating P (kW) for Arc of Contact 180° (Table 21)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	224	250	280	300	315	335	355	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	10.35	12.99	15.98	17.95	19.41	21.33	23.23	0.14	0.90	1.28	1.57
950	13.22	16.63	20.50	23.01	24.87	27.30	29.69	0.19	1.22	1.73	2.13
1450	17.63	22.28	27.35	30.63	32.97	33.82	38.81	0.29	1.86	2.65	3.25
2850	20.63	25.52	29.58					0.57	3.67	5.20	6.38
50	1.08	1.31	1.58	1.75	1.89	2.06	2.23	0.01	0.06	0.09	0.11
100	1.94	2.37	2.88	3.20	3.46	3.78	4.10	0.02	0.13	0.18	0.22
200	3.42	4.23	5.19	5.78	6.28	6.88	7.47	0.04	0.26	0.37	0.45
300	5.16	6.40	7.81	8.75	9.44	10.37	11.29	0.06	0.39	0.55	0.67
350	5.84	7.26	8.88	9.95	10.74	11.81	12.86	0.07	0.45	0.64	0.78
400	6.49	8.09	9.91	11.12	12.00	13.20	14.38	0.08	0.51	0.73	0.90
450	7.28	9.07	11.11	12.46	13.47	14.80	16.12	0.09	0.58	0.82	1.01
500	7.90	9.86	12.10	13.57	14.68	16.13	17.57	0.10	0.64	0.91	1.12
550	8.50	10.63	13.05	14.65	15.85	17.42	18.97	0.11	0.71	1.00	1.23
600	9.23	11.55	14.19	15.93	17.22	18.93	20.62	0.12	0.77	1.10	1.34
650	9.80	12.28	15.10	16.96	18.33	20.15	21.95	0.13	0.84	1.19	1.45
700	10.35	12.99	15.98	17.95	19.41	21.33	23.23	0.14	0.90	1.28	1.57
750	11.05	13.87	17.06	19.16	20.72	22.77	24.80	0.15	0.96	1.37	1.68
800	11.57	14.54	17.90	20.10	21.74	23.88	26.00	0.16	1.03	1.46	1.79
850	12.08	15.19	18.70	21.01	22.71	24.95	27.15	0.17	1.09	1.55	1.90
900	12.74	16.02	19.74	22.16	23.96	26.31	28.63	0.18	1.16	1.64	2.01
950	13.22	16.63	20.50	23.01	24.87	27.30	29.69	0.19	1.22	1.73	2.13
1000	13.67	17.22	21.23	23.82	25.74	28.24	30.70	0.20	1.29	1.83	2.24
1050	14.30	18.02	22.20	24.91	26.92	29.53	32.09	0.21	1.35	1.92	2.35
1100	14.73	18.57	22.88	25.66	27.72	30.39	33.00	0.22	1.41	2.01	2.46
1150	15.13	19.09	23.52	26.37	28.47	31.19	33.85	0.23	1.48	2.10	2.57
1200	15.72	19.84	24.44	27.41	29.58	32.41	35.15	0.24	1.54	2.19	2.69
1250	16.09	20.32	25.03	28.05	30.26	32.55	35.89	0.25	1.61	2.28	2.80
1300	16.45	20.78	25.57	28.65	30.89	32.70	36.57	0.26	1.67	2.37	2.91
1350	17.01	21.49	26.41	29.62	31.93	32.91	37.77	0.27	1.74	2.46	3.02
1400	17.33	21.90	26.90	30.15	32.48	33.39	38.33	0.28	1.80	2.56	3.13
1450	17.63	22.28	27.35	30.63	32.97	33.82	38.81	0.29	1.86	2.65	3.25
1500	18.16	22.94	28.20	31.53	33.93	37.00	39.92	0.30	1.93	2.74	3.36
1550	18.42	23.27	28.58	31.93	34.33	37.39	40.28	0.31	1.99	2.83	3.47
1600	18.66	23.57	28.93	32.28	34.68	37.71	41.07	0.32	2.06	2.92	3.58
1650	19.16	24.20	29.68	33.11	35.56	38.66	41.56	0.33	2.12	3.01	3.69
1700	19.36	24.45	29.95	33.38	35.81	38.86	41.70	0.34	2.19	3.10	3.80
1750	19.54	24.67	30.18	33.59	35.99	39.00	42.35	0.35	2.25	3.19	3.92
1800	19.99	25.25	30.88	34.35	36.80	39.85	42.64	0.36	2.31	3.29	4.03
1850	20.13	25.41	31.03	34.47	36.88	39.86	42.68	0.37	2.38	3.38	4.14
1900	20.24	25.54	31.40	34.53	36.90	40.37	42.70	0.38	2.44	3.47	4.25
1950	20.66	26.07	31.77	35.60	37.61	40.54	42.75	0.39	2.51	3.56	4.36
2000	20.73	26.14	31.80	35.62	37.79	40.65	42.79	0.40	2.57	3.65	4.48
2050	20.77	26.17	32.00	35.65	37.91	40.69	43.11	0.41	2.64	3.74	4.59
2100	21.20	26.60	32.34	35.69	37.97	40.68	42.99	0.42	2.70	3.83	4.70
2150	21.30	26.63	32.40	35.72	37.99	40.50	42.60	0.43	2.77	3.92	4.81
2200	21.40	26.66	32.50	35.73	37.95	40.46	42.51	0.44	2.83	4.02	4.92
2250	21.46	26.68	32.56	35.75	37.85	40.25	42.16	0.45	2.89	4.11	5.04
2300	21.49	26.86	32.58	35.65	37.60	39.97	41.26	0.46	2.96	4.20	5.15
2350	21.53	26.99	32.50	35.54	37.49	39.63	41.21	0.47	3.02	4.29	5.26
2400	21.57	27.05	32.41	35.36	37.22	39.21	40.61	0.48	3.09	4.38	5.37
2450	21.56	26.90	32.20	34.90	36.51	38.28	39.41	0.49	3.15	4.47	5.48
2500	21.53	26.88	32.10	34.84	36.50	38.16	39.16	0.50	3.22	4.56	5.60
2550	21.48	26.84	31.88	34.50	36.05			0.51	3.28	4.66	5.71
2600	21.23	26.48	31.31	33.74	35.12			0.52	3.34	4.75	5.82
2650	21.20	26.40	31.30	33.65	34.40			0.53	3.41	4.84	5.93
2700	21.17	26.33	30.94	33.14	34.30			0.54	3.47	4.93	6.04
2750	20.83	25.85	30.20	32.17	33.59			0.55	3.54	5.02	6.16
2800	20.73	25.65	30.08					0.56	3.60	5.11	6.27
2850	20.63	25.52	29.58					0.57	3.67	5.20	6.38
2900	20.20	24.91	28.66					0.58	3.73	5.29	6.49
2950	19.90	24.80	28.42					0.59	3.79	5.39	6.60
3000	19.86	24.38	27.77					0.60	3.86	5.48	6.70
3050	19.33	23.63	26.66					0.61	3.92	5.57	6.83
3100	19.00	23.43	26.30					0.62	3.99	5.66	6.94
3150	18.84	22.90	25.49					0.63	4.05	5.75	7.05
3200	18.21	22.01	24.19					0.64	4.12	5.84	7.16
3250	17.73	21.72	23.69					0.65	4.18	5.93	7.27
3300	17.56	21.07						0.66	4.24	6.02	7.39
3350	16.82	20.03						0.67	4.31	6.12	7.50
3400	16.56	19.65						0.68	4.37	6.21	7.61
3450	16.02	18.87						0.69	4.44	6.30	7.72
3500	15.17	17.68						0.70	4.50	6.39	7.80

### Section SPC: Power Rating P (kW) for Arc of Contact 180° (Table 22)

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	375	400	450	500	560	630	710	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	25.11	27.42	31.92	36.24	41.70	47.28	53.19	0.14	0.90	1.28	1.57
950	32.03	34.88	40.32	45.42	51.02	56.77	62.33	0.19	1.22	1.73	2.13
1450	41.52	44.66	50.94	55.51	59.36	61.37		0.29	1.86	2.65	3.25
2850								0.57	3.67	5.20	6.38
50	2.41	2.62	3.05	3.48	3.99	4.58	5.25	0.01	0.06	0.09	0.11
100	4.44	4.84	5.64	6.45	7.41	8.52	9.78	0.02	0.13	0.18	0.22
200	8.11	8.84	10.35	11.85	13.63	15.67	18.02	0.04	0.26	0.37	0.45
300	12.21	13.34	15.60	17.83	20.47	23.50	26.90	0.06	0.39	0.55	0.67
350	13.91	15.20	17.78	20.32	23.31	26.73	30.57	0.07	0.45	0.64	0.78
400	15.56	17.00	19.88	22.71	26.03	29.81	34.05	0.08	0.51	0.73	0.90
450	17.44	19.07	22.28	25.44	29.15	33.37	38.04	0.09	0.58	0.82	1.01
500	19.01	20.78	24.27	27.69	31.68	36.20	41.18	0.10	0.64	0.91	1.12
550	20.52	22.43	26.18	29.83	34.08	38.85	44.66	0.11	0.71	1.00	1.23
600	22.30	24.37	28.44	32.39	36.99	42.13	47.70	0.12	0.77	1.10	1.34
650	23.73	25.93	30.22	34.37	39.17	44.48	50.21	0.13	0.84	1.19	1.45
700	25.11	27.42	31.92	36.24	41.70	47.28	53.19	0.14	0.90	1.28	1.57
750	26.80	29.26	34.04	38.64	43.89	49.62	55.61	0.15	0.96	1.37	1.68
800	28.09	30.65	35.59	40.32	45.66	51.41	57.36	0.16	1.03	1.46	1.79
850	29.31	31.96	37.05	41.88	47.89	53.80	59.77	0.17	1.09	1.55	1.90
900	30.90	33.68	39.03	44.08	49.71	55.63	61.47	0.18	1.16	1.64	2.01
950	32.03	34.88	40.32	45.42	51.02	56.77	62.33	0.19	1.22	1.73	2.13
1000	33.09	35.99	41.51	47.21	52.92	58.71	64.08	0.20	1.29	1.83	2.24
1050	34.58	37.61	43.34	48.62	54.30	59.94	64.95	0.21	1.35	1.92	2.35
1100	35.53	38.60	44.34	49.57	55.07	60.34	65.50	0.22	1.41	2.01	2.46
1150	36.41	39.50	45.81	51.10	56.61	61.76	65.79	0.23	1.48	2.10	2.57
1200	37.80	40.99	46.90	52.16	57.52	62.33	65.72	0.24	1.54	2.19	2.69
1250	38.55	41.74	47.58	52.67	57.69	62.55	65.31	0.25	1.61	2.28	2.80
1300	39.23	42.40	48.82	53.90	58.81	62.73		0.26	1.67	2.37	2.91
1350	40.52	43.77	49.63	54.58	59.19	62.55		0.27	1.74	2.46	3.02
1400	41.06	44.27	49.95	54.61	59.37	62.16		0.28	1.80	2.56	3.13
1450	41.52	44.66	50.94	55.51	59.36	61.37		0.29	1.86	2.65	3.25
1500	42.68	44.95	51.44	55.76	59.15			0.30	1.93	2.74	3.36
1550	42.99	45.14	51.84	55.86				0.31	1.99	2.83	3.47
1600	43.79	46.90	52.10	55.81				0.32	2.06	2.92	3.58
1650	44.24	47.29	52.25	55.59				0.33	2.12	3.01	3.69
1700	44.29	47.50	52.75	54.51				0.34	2.19	3.10	3.80
1750	44.93	47.79	52.19	54.50				0.35	2.25	3.19	3.92
1800	45.16	47.91	51.97					0.36	2.31	3.29	4.03
1850	45.25	47.94	51.62					0.37	2.38	3.38	4.14
1900	45.39	47.87	51.14					0.38	2.44	3.47	4.25
1950	45.39	47.70	50.52					0.39	2.51	3.56	4.36
2000	45.88	47.44	49.76					0.40	2.57	3.65	4.48
2050	45.13	47.07						0.41	2.64	3.74	4.59
2100	44.87	46.60						0.42	2.70	3.83	4.70
2150	44.50	45.45						0.43	2.77	3.92	4.81
2200	44.08	45.33						0.44	2.83	4.02	4.92
2250	43.55	44.53						0.45	2.89	4.11	5.04



**Section 8V: Power Rating P (kW) for Arc of Contact 180° (Table 23)**

n (rpm)	Pitch diameter of the smaller pulley (mm)													Additional Power (kW) per belt for speed ratio			
	335	355	375	425	450	475	500	530	560	600	630	710	800	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	25.53	28.45	31.34	38.40	41.84	45.21	48.52	52.40	56.18	61.06	64.59	74.10	82.35	0.28	1.83	2.60	3.18
950	32.09	35.77	39.37	48.03	52.17	56.17	60.03	64.47	68.68	73.95	77.62	86.13	93.33	0.38	2.48	3.52	4.32
1450	40.16	44.55	48.70	57.96	61.97	66.25	69.44	72.63	75.10		77.79			0.59	3.79	5.38	6.60
50	2.63	2.89	3.16	3.82	4.15	4.48	4.80	5.19	5.58	6.10	6.48	7.51	8.65	0.02	0.13	0.19	0.23
100	4.75	5.24	5.75	6.99	7.61	8.23	8.83	9.57	10.30	11.28	11.99	13.92	16.05	0.04	0.26	0.37	0.45
150	6.67	7.38	8.11	9.91	10.80	11.70	12.56	13.62	14.67	16.07	17.70	20.53	23.68	0.06	0.39	0.56	0.68
200	8.97	9.94	10.91	13.31	14.51	15.69	16.88	18.29	19.69	21.56	22.94	26.61	30.68	0.08	0.52	0.74	0.91
250	10.78	11.97	13.15	16.07	17.54	18.97	20.42	22.13	23.83	26.09	27.76	32.19	37.07	0.10	0.65	0.93	1.14
300	12.51	13.90	15.29	18.72	20.43	22.10	23.79	25.79	27.77	30.40	32.34	38.90	43.84	0.12	0.78	1.11	1.36
350	14.54	16.16	17.78	21.77	23.74	25.71	27.66	29.98	32.28	35.32	37.57	43.49	49.98	0.14	0.91	1.30	1.59
400	16.17	17.98	19.80	24.26	26.46	28.66	30.83	33.41	35.96	39.32	41.81	48.31	55.37	0.16	1.05	1.48	1.82
450	17.72	19.73	21.73	26.65	29.06	31.47	33.85	36.67	39.97	43.69	46.44	53.59	61.33	0.18	1.18	1.67	2.05
500	19.61	21.83	24.04	29.48	32.16	34.81	37.43	40.54	43.60	47.62	50.59	58.27	66.50	0.20	1.31	1.86	2.27
550	21.07	23.47	25.85	31.71	34.58	37.42	40.22	43.53	46.78	51.03	54.16	62.19	70.67	0.22	1.44	2.04	2.50
600	22.47	25.04	27.58	33.82	36.88	39.89	42.85	46.34	50.41	54.95	58.28	66.79	75.70	0.24	1.57	2.23	2.73
650	24.23	27.00	29.74	36.46	39.75	42.98	46.16	49.91	53.57	58.33	61.80	70.61	79.69	0.26	1.70	2.41	2.96
700	25.53	28.45	31.34	38.40	41.84	45.21	48.52	52.40	56.18	61.06	64.59	74.10	82.35	0.28	1.83	2.60	3.18
750	26.76	29.82	32.85	40.22	44.32	47.29	51.35	55.42	59.88	64.46	68.13	77.26	86.31	0.30	1.96	2.78	3.41
800	28.40	31.66	34.87	42.67	46.45	50.14	53.74	57.94	62.01	67.20	70.92	80.06	88.88	0.32	2.09	2.97	3.64
850	29.52	32.91	36.24	44.29	48.17	51.94	55.61	59.86	63.95	69.12	73.44	82.49	90.92	0.34	2.22	3.15	3.87
900	30.57	34.07	37.51	46.34	50.38	54.29	58.09	62.47	66.67	71.95	75.67	84.52	92.42	0.36	2.35	3.34	4.09
950	32.09	35.77	39.37	48.03	52.17	56.17	60.03	64.47	68.68	73.95	77.62	86.13	93.33	0.38	2.48	3.52	4.32
1000	33.02	36.79	40.48	49.29	53.47	57.49	61.34	65.73	70.48	75.68	79.25	87.31	93.63	0.40	2.61	3.71	4.55
1050	33.86	37.73	41.48	51.09	55.38	59.49	63.42	67.87	72.04	77.95	80.56	88.04	93.28	0.42	2.74	3.90	4.78
1100	35.27	39.29	43.19	52.45	56.79	60.93	64.85	69.27	73.36	78.28	81.53	88.30	92.28	0.44	2.88	4.08	5.00
1150	35.98	40.07	44.01	53.31	57.62	61.70	65.53	70.46	74.44	79.13	82.16	88.06	90.56	0.46	3.01	4.27	5.23
1200	36.61	41.28	45.33	54.82	59.20	63.32	67.17	71.42	75.25	79.66	82.42	87.31	88.14	0.49	3.14	4.45	5.46
1250	37.90	42.16	46.27	55.82	60.19	64.27	68.04	72.16	75.80	79.87	82.31	86.03		0.51	3.27	4.64	5.69
1300	38.38	42.67	46.78	56.23	60.50	65.04	68.71	72.65	76.06	79.74	81.80			0.53	3.40	4.82	5.91
1350	38.77	43.06	47.88	57.44	61.71	65.63	69.17	72.90	76.04	79.25	80.89			0.55	3.53	5.01	6.14
1400	39.93	44.34	48.54	58.04	62.24	66.04	69.42	72.90	75.72	79.56				0.57	3.66	5.19	6.37
1450	40.16	44.55	48.70	58.51	62.60	66.25	69.44	72.63	75.10	77.79				0.59	3.79	5.38	6.60
1500	40.93	45.37	49.56	58.84	62.80	66.27	69.24							0.61	3.92	5.57	6.82
1550	41.31	45.75	49.91	59.01	62.81	66.08	68.80							0.63	4.05	5.75	7.05
1600	41.62	45.64	50.10	59.10	62.65	65.69	68.11							0.65	4.18	5.94	7.28
1650	41.85	46.24	50.30	59.20	62.31	65.08	67.18							0.67	4.31	6.12	7.51
1700	41.99	46.34	50.33	58.61	61.77	64.25	65.99							0.69	4.44	6.31	7.73
1750	42.05	46.20	50.24	58.15	61.05	63.19	64.54							0.71	4.57	6.49	7.96
1800	42.03	46.10	50.04	57.52	60.12									0.73	4.70	6.68	8.19
1850	41.92	46.05	49.71	56.72	58.98									0.75	4.84	6.86	8.42
1900	41.42	45.52	49.26	55.75	57.64									0.77	4.97	7.05	8.64
1950	41.26	45.32	48.69	54.58	56.08									0.79	5.10	7.23	8.87
2000	41.04	44.79	47.93	53.23	54.31									0.81	5.23	7.42	9.10
2050	40.04	43.55	46.39											0.83	5.36	7.61	9.33
2100	39.97	43.40	46.16											0.85	5.49	7.79	9.55
2150	39.29	42.52	45.05											0.87	5.62	7.98	9.78
2200	38.50	41.53	43.79											0.89	5.75	8.16	10.01
2250	37.62	40.41	42.40											0.91	5.88	8.35	10.23





**Section ZX: Power Rating P (kW) for Arc of Contact 180° (Table 24)**

n (rpm)	Pitch diameter of the smaller pulley (mm)										Additional Power (kW) per belt for speed ratio			
	40	45	50	56	63	71	80	90	100	112	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	0.21	0.27	0.32	0.36	0.43	0.50	0.58	0.66	0.75	0.84	0.00	0.02	0.03	0.04
950	0.27	0.37	0.39	0.48	0.54	0.63	0.73	0.84	0.95	1.08	0.01	0.02	0.04	0.05
1450	0.35	0.45	0.57	0.63	0.74	0.87	1.01	1.17	1.31	1.49	0.01	0.04	0.05	0.08
2850	0.53	0.69	0.83	1.00	1.19	1.40	1.63	1.87	2.11	2.38	0.02	0.07	0.11	0.16
100	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.13	0.14	0.16	0.00	0.00	0.00	0.01
200	0.09	0.11	0.13	0.13	0.15	0.18	0.20	0.23	0.26	0.30	0.00	0.01	0.01	0.01
300	0.11	0.17	0.15	0.18	0.21	0.25	0.29	0.33	0.37	0.42	0.00	0.01	0.01	0.02
400	0.14	0.23	0.22	0.23	0.27	0.32	0.37	0.42	0.47	0.53	0.00	0.01	0.01	0.02
500	0.16	0.29	0.24	0.28	0.33	0.38	0.44	0.50	0.57	0.64	0.00	0.01	0.02	0.03
600	0.19	0.30	0.27	0.32	0.38	0.44	0.51	0.59	0.66	0.75	0.00	0.02	0.02	0.03
700	0.21	0.30	0.32	0.36	0.43	0.50	0.58	0.66	0.75	0.84	0.00	0.02	0.03	0.04
800	0.23	0.31	0.34	0.40	0.47	0.55	0.64	0.74	0.83	0.94	0.01	0.02	0.03	0.05
900	0.25	0.35	0.36	0.44	0.52	0.61	0.70	0.81	0.91	1.03	0.01	0.02	0.03	0.05
950	0.27	0.37	0.39	0.48	0.54	0.63	0.73	0.84	0.95	1.08	0.01	0.02	0.04	0.05
1000	0.29	0.39	0.42	0.51	0.56	0.66	0.76	0.88	0.99	1.12	0.01	0.03	0.04	0.06
1100	0.29	0.39	0.45	0.55	0.61	0.71	0.82	0.94	1.06	1.20	0.01	0.03	0.04	0.06
1200	0.31	0.39	0.48	0.55	0.65	0.76	0.88	1.01	1.14	1.29	0.01	0.03	0.04	0.07
1300	0.34	0.43	0.51	0.58	0.69	0.80	0.93	1.07	1.21	1.37	0.01	0.03	0.05	0.07
1400	0.35	0.44	0.55	0.61	0.73	0.85	0.99	1.13	1.28	1.45	0.01	0.04	0.05	0.08
1450	0.35	0.45	0.57	0.63	0.74	0.87	1.01	1.17	1.31	1.49	0.01	0.04	0.05	0.08
1500	0.36	0.46	0.59	0.64	0.76	0.89	1.04	1.19	1.35	1.52	0.01	0.04	0.06	0.09
1600	0.38	0.47	0.61	0.68	0.80	0.94	1.09	1.25	1.41	1.60	0.01	0.04	0.06	0.09
1700	0.39	0.50	0.63	0.70	0.84	0.98	1.14	1.31	1.48	1.67	0.01	0.04	0.06	0.10
1800	0.41	0.53	0.66	0.73	0.87	1.02	1.19	1.37	1.54	1.74	0.01	0.05	0.07	0.10
1900	0.42	0.55	0.66	0.76	0.90	1.06	1.23	1.42	1.60	1.81	0.01	0.05	0.07	0.11
2000	0.43	0.55	0.66	0.79	0.94	1.10	1.28	1.47	1.66	1.88	0.01	0.05	0.07	0.11
2100	0.45	0.56	0.68	0.82	0.97	1.14	1.33	1.52	1.72	1.94	0.02	0.05	0.08	0.12
2200	0.46	0.57	0.71	0.84	1.00	1.18	1.37	1.58	1.77	2.00	0.02	0.06	0.08	0.13
2300	0.46	0.58	0.72	0.87	1.03	1.21	1.41	1.62	1.83	2.07	0.02	0.06	0.08	0.13
2400	0.47	0.60	0.73	0.89	1.06	1.25	1.45	1.67	1.88	2.13	0.02	0.06	0.09	0.14
2500	0.48	0.62	0.76	0.92	1.09	1.28	1.49	1.72	1.94	2.18	0.02	0.06	0.09	0.14
2600	0.50	0.64	0.78	0.94	1.12	1.32	1.53	1.77	1.99	2.24	0.02	0.07	0.10	0.15
2700	0.52	0.67	0.80	0.96	1.15	1.35	1.57	1.81	2.04	2.30	0.02	0.07	0.10	0.15
2800	0.53	0.69	0.82	0.98	1.17	1.38	1.61	1.85	2.08	2.35	0.02	0.07	0.10	0.16
2850	0.53	0.69	0.83	1.00	1.19	1.40	1.63	1.87	2.11	2.38	0.02	0.07	0.11	0.16
2900	0.54	0.70	0.85	1.01	1.20	1.42	1.65	1.90	2.13	2.40	0.02	0.07	0.11	0.17
3000	0.54	0.71	0.87	1.03	1.23	1.45	1.69	1.94	2.18	2.45	0.02	0.08	0.11	0.17
3100	0.55	0.71	0.88	1.05	1.25	1.48	1.72	1.98	2.22	2.50	0.02	0.08	0.11	0.18
3200	0.56	0.73	0.90	1.07	1.28	1.51	1.76	2.02	2.27	2.55	0.02	0.08	0.12	0.18
3300	0.56	0.74	0.92	1.09	1.30	1.54	1.79	2.06	2.31	2.59	0.02	0.08	0.12	0.19
3400	0.57	0.75	0.93	1.11	1.33	1.56	1.82	2.09	2.35	2.64	0.02	0.09	0.13	0.19
3500	0.58	0.76	0.93	1.13	1.35	1.59	1.85	2.13	2.39	2.68	0.02	0.09	0.13	0.20
3600	0.59	0.77	0.94	1.15	1.37	1.62	1.88	2.16	2.43	2.72	0.02	0.09	0.13	0.21
3700	0.61	0.78	0.96	1.16	1.39	1.65	1.92	2.20	2.46	2.76	0.03	0.09	0.14	0.21
3800	0.61	0.79	0.97	1.18	1.42	1.67	1.94	2.23	2.50	2.80	0.03	0.10	0.14	0.22
3900	0.62	0.81	0.99	1.20	1.44	1.70	1.97	2.26	2.53	2.83	0.03	0.10	0.14	0.22
4000	0.62	0.81	1.00	1.22	1.46	1.72	2.00	2.29	2.57	2.87	0.03	0.10	0.15	0.23
4100	0.63	0.82	1.01	1.23	1.48	1.74	2.03	2.32	2.60	2.90	0.03	0.10	0.15	0.23
4200	0.63	0.84	1.02	1.25	1.50	1.77	2.06	2.35	2.63	2.93	0.03	0.11	0.15	0.24
4300	0.64	0.85	1.04	1.26	1.52	1.79	2.08	2.38	2.66	2.96	0.03	0.11	0.16	0.25
4400	0.64	0.86	1.05	1.28	1.53	1.81	2.11	2.41	2.69	2.99	0.03	0.11	0.16	0.25
4500	0.65	0.86	1.06	1.29	1.55	1.83	2.13	2.43	2.71	3.01	0.03	0.12	0.17	0.26
4600	0.65	0.86	1.07	1.31	1.57	1.85	2.15	2.46	2.74	3.04	0.03	0.12	0.17	0.26
4700	0.65	0.87	1.08	1.32	1.59	1.87	2.17	2.48	2.76	3.06	0.03	0.12	0.17	0.27
4800	0.66	0.87	1.09	1.33	1.60	1.89	2.20	2.51	2.79	3.08	0.03	0.12	0.18	0.27
4900	0.67	0.88	1.10	1.35	1.62	1.91	2.22	2.53	2.81	3.10	0.03	0.13	0.18	0.28
5000	0.67	0.88	1.11	1.36	1.63	1.93	2.24	2.55	2.83	3.12	0.03	0.13	0.18	0.29
5100	0.67	0.90	1.12	1.37	1.65	1.95	2.26	2.57	2.85	3.13	0.03	0.13	0.19	0.29
5200	0.68	0.90	1.13	1.38	1.66	1.96	2.27	2.59	2.86	3.15	0.04	0.13	0.19	0.30
5300	0.68	0.91	1.14	1.39	1.68	1.98	2.29	2.60	2.88	3.16	0.04	0.14	0.20	0.30
5400	0.68	0.91	1.14	1.40	1.69	1.99	2.31	2.62	2.90	3.17	0.04	0.14	0.20	0.31
5500	0.69	0.92	1.15	1.41	1.70	2.01	2.32	2.64	2.91	3.18	0.04	0.14	0.20	0.31
5600	0.69	0.93	1.16	1.42	1.71	2.02	2.34	2.65	2.92	3.19	0.04	0.14	0.21	0.32
5800	0.69	0.94	1.17	1.44	1.74	2.05	2.37	2.68	2.94	3.20	0.04	0.15	0.21	0.33
6000	0.70	0.94	1.19	1.46	1.76	2.07	2.39	2.70	2.96	3.20	0.04	0.15	0.22	0.34
6200	0.70	0.95	1.20	1.48	1.78	2.09	2.41	2.71	2.96	3.19	0.04	0.16	0.23	0.35
6400	0.70	0.96	1.21	1.49	1.80	2.11	2.43	2.73	2.97	3.17	0.04	0.16	0.24	0.37
6600	0.70	0.97	1.22	1.50	1.81	2.13	2.44	2.73	2.96	3.15	0.04	0.17	0.24	0.38
6800	0.70	0.97	1.23	1.51	1.82	2.14	2.45	2.74	2.95	3.12	0.05	0.17	0.25	0.39
7000	0.70	0.97	1.23	1.52	1.83	2.15	2.46	2.73	2.94	3.08	0.05	0.18	0.26	0.40
7200	0.70	0.97	1.24	1.53	1.84	2.16	2.46	2.73	2.92	3.03	0.05	0.18	0.27	0.41
7400	0.69	0.97	1.24	1.54	1.85	2.16	2.46	2.72	2.89	2.98	0.05	0.19	0.27	0.42
7600	0.69	0.98	1.24	1.54	1.85	2.17	2.46	2.70	2.87	2.95	0.05	0.19	0.28	0.43
7800	0.69	0.97	1.25	1.54	1.86	2.17	2.45	2.68	2.85	2.91	0.05	0.20	0.29	0.45
8000	0.68	0.97	1.25	1.55	1.86	2.16	2.44	2.65	2.82	2.87	0.05	0.20	0.30	0.46
8200	0.68	0.97	1.24	1.55	1.86	2.16	2.42	2.62	2.79	2.83	0.06	0.21	0.30	0.47
8400	0.67	0.97	1.24	1.54	1.85	2.15	2.40	2.59	2.77	2.81	0.06	0.21	0.31	0.48





**Section AX: Power Rating P (kW) for Arc of Contact 180° (Table 25)**

n (rpm)	Pitch diameter of the smaller pulley (mm)															Additional Power (kW) per belt for speed ratio			
	63	71	80	90	95	100	106	112	118	125	132	140	150	160	180	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	0.67	0.86	1.07	1.29	1.40	1.51	1.64	1.77	1.90	2.04	2.19	2.35	2.56	2.76	3.15	0.02	0.08	0.12	0.16
950	0.82	1.05	1.32	1.63	1.80	1.92	2.05	2.25	2.40	2.60	2.70	3.05	3.10	3.45	3.98	0.03	0.11	0.16	0.24
1450	1.10	1.45	1.83	2.24	2.44	2.64	2.89	3.12	3.36	3.63	3.88	4.18	4.54	4.90	5.59	0.04	0.17	0.24	0.37
2850	1.39	1.98	2.60	3.27	3.58	3.90	4.27	4.62	4.97	5.35	5.73	6.10	6.58	7.11	7.88	0.09	0.33	0.47	0.73
100	0.16	0.19	0.23	0.28	0.30	0.32	0.34	0.37	0.39	0.42	0.45	0.48	0.52	0.56	0.63	0.00	0.01	0.02	0.03
200	0.32	0.38	0.46	0.56	0.60	0.64	0.68	0.74	0.78	0.84	0.90	0.96	1.04	1.12	1.26	0.01	0.02	0.03	0.05
300	0.37	0.46	0.56	0.67	0.73	0.78	0.84	0.91	0.97	1.04	1.11	1.20	1.30	1.40	1.59	0.01	0.03	0.05	0.08
400	0.49	0.61	0.75	0.89	0.97	1.04	1.12	1.21	1.29	1.39	1.48	1.60	1.73	1.87	2.12	0.01	0.05	0.07	0.10
500	0.62	0.77	0.93	1.12	1.22	1.30	1.40	1.52	1.62	1.73	1.85	2.00	2.17	2.33	2.65	0.02	0.06	0.08	0.13
600	0.64	0.84	1.04	1.25	1.30	1.45	1.50	1.68	1.80	1.90	2.00	2.20	2.37	2.50	2.95	0.02	0.07	0.10	0.15
700	0.67	0.86	1.07	1.29	1.40	1.51	1.64	1.77	1.90	2.04	2.19	2.35	2.56	2.76	3.15	0.02	0.08	0.12	0.18
800	0.77	0.98	1.22	1.47	1.60	1.73	1.87	2.02	2.17	2.33	2.50	2.69	2.76	3.15	3.45	0.02	0.09	0.13	0.21
900	0.80	0.99	1.28	1.60	1.70	1.83	1.95	2.20	2.30	2.50	2.60	3.02	2.86	3.30	3.75	0.03	0.10	0.15	0.23
950	0.82	1.05	1.32	1.63	1.80	1.92	2.05	2.25	2.40	2.60	2.70	3.05	3.10	3.45	3.98	0.03	0.11	0.16	0.24
1000	0.85	1.10	1.44	1.67	1.82	1.97	2.14	2.31	2.48	2.68	2.87	3.09	3.36	3.62	4.14	0.03	0.11	0.17	0.26
1100	0.94	1.21	1.51	1.84	2.00	2.17	2.35	2.54	2.73	2.95	3.16	3.40	3.70	3.98	4.55	0.03	0.13	0.18	0.28
1200	0.96	1.28	1.64	2.00	2.18	2.36	2.57	2.77	2.98	3.22	3.44	3.71	4.03	4.34	4.97	0.04	0.14	0.20	0.31
1300	0.99	1.30	1.64	2.01	2.19	2.37	2.59	2.80	3.01	3.25	3.48	3.75	4.07	4.39	5.01	0.04	0.15	0.22	0.33
1400	1.07	1.40	1.77	2.17	2.36	2.55	2.79	3.02	3.24	3.50	3.75	4.04	4.38	4.73	5.40	0.04	0.16	0.23	0.36
1450	1.10	1.45	1.83	2.24	2.44	2.64	2.89	3.12	3.36	3.63	3.88	4.18	4.54	4.90	5.59	0.04	0.17	0.24	0.37
1500	1.10	1.46	1.85	2.32	2.48	2.73	2.99	3.23	3.47	3.75	4.02	4.33	4.70	5.07	5.78	0.05	0.17	0.25	0.38
1600	1.10	1.47	1.87	2.35	2.52	2.74	2.99	3.23	3.47	3.75	4.03	4.33	4.71	5.07	5.78	0.05	0.18	0.26	0.41
1700	1.17	1.56	1.99	2.45	2.68	2.91	3.18	3.43	3.69	3.98	4.28	4.60	5.00	5.39	6.14	0.05	0.20	0.28	0.44
1800	1.22	1.60	2.06	2.50	2.80	2.98	3.36	3.55	3.79	4.10	4.40	4.70	5.10	5.50	6.30	0.05	0.21	0.30	0.46
1900	1.24	1.62	2.08	2.58	2.82	3.06	3.44	3.62	3.89	4.21	4.51	4.85	5.27	5.67	6.44	0.06	0.22	0.31	0.49
2000	1.26	1.71	2.19	2.72	2.97	3.22	3.52	3.81	4.10	4.43	4.75	5.11	5.45	5.80	6.74	0.06	0.23	0.33	0.51
2100	1.32	1.73	2.22	2.80	3.05	3.30	3.60	3.90	4.20	4.58	4.85	5.21	5.65	6.00	6.85	0.06	0.24	0.35	0.54
2200	1.32	1.75	2.26	2.81	3.08	3.35	3.66	3.97	4.27	4.61	4.94	5.31	5.76	6.19	7.00	0.07	0.25	0.36	0.56
2300	1.33	1.83	2.36	2.94	3.22	3.50	3.83	4.15	4.40	4.70	5.16	5.55	6.02	6.40	7.15	0.07	0.26	0.38	0.59
2400	1.34	1.84	2.40	3.00	3.28	3.55	3.99	4.20	4.50	4.80	5.22	5.65	6.10	6.51	7.30	0.07	0.28	0.40	0.62
2500	1.34	1.85	2.42	3.02	3.32	3.60	4.05	4.27	4.59	4.96	5.32	5.71	6.18	6.63	7.45	0.08	0.29	0.41	0.64
2600	1.35	1.92	2.52	3.14	3.40	3.74	4.10	4.30	4.66	5.16	5.53	5.84	6.33	6.78	7.57	0.08	0.30	0.43	0.67
2700	1.37	1.93	2.53	3.18	3.48	3.80	4.15	4.40	4.77	5.20	5.60	5.94	6.43	6.88	7.68	0.08	0.31	0.45	0.69
2800	1.38	1.94	2.55	3.21	3.52	3.83	4.19	4.54	4.88	5.26	5.63	6.04	6.52	6.98	7.79	0.09	0.32	0.47	0.73
2850	1.39	1.98	2.60	3.27	3.58	3.90	4.27	4.62	4.97	5.35	5.73	6.10	6.58	7.11	7.88	0.09	0.33	0.46	0.72
2900	1.40	2.01	2.64	3.33	3.65	3.97	4.34	4.70	5.05	5.40	5.83	6.18	6.64	7.15	7.95	0.09	0.33	0.48	0.74
3000	1.40	2.01	2.65	3.44	3.68	4.00	4.38	4.72	5.12	5.45	5.87	6.25	6.71	7.20	7.95	0.09	0.34	0.50	0.77
3100	1.41	2.02	2.67	3.45	3.70	4.02	4.40	4.77	5.20	5.52	5.90	6.31	6.79	7.24	8.01	0.09	0.36	0.51	0.80
3200	1.41	2.03	2.74	3.47	3.75	4.10	4.45	4.80	5.23	5.60	6.00	6.35	6.85	7.34	8.06	0.10	0.37	0.53	0.82
3300	1.42	2.05	2.75	3.48	3.80	4.15	4.50	4.82	5.25	5.65	6.05	6.43	6.90	7.40	8.09	0.10	0.80	0.55	0.85
3400	1.42	2.07	2.76	3.49	3.84	4.18	4.57	4.85	5.31	5.72	6.10	6.51	6.98	7.41	8.11	0.10	0.39	0.56	0.87
3500	1.43	2.10	2.80	3.59	3.90	4.20	4.65	4.90	5.35	5.75	6.15	6.55	7.02	7.43	8.15	0.11	0.40	0.58	0.90
3600	1.43	2.11	2.82	3.59	3.95	4.25	4.69	5.00	5.40	5.80	6.20	6.60	7.05	7.46		0.11	0.41	0.60	0.92
3700	1.44	2.11	2.84	3.60	3.96	4.31	4.71	5.10	5.46	5.87	6.24	6.64	7.09	7.48		0.11	0.42	0.61	0.95
3800	1.44	2.12	2.86	3.62	4.00	4.35	4.75	5.15	5.50	5.90	6.28	6.68	7.09	7.48		0.12	0.44	0.63	0.98
3900	1.44	2.13	2.88	3.64	4.02	4.38	4.80	5.18	5.55	5.93	6.30	6.69	7.10	7.47		0.12	0.45	0.65	1.00
4000	1.43	2.14	2.89	3.68	4.05	4.40	4.81	5.20	5.58	5.96	6.32	6.70	7.11	7.45		0.12	0.46	0.66	1.03
4100	1.43	2.14	2.90	3.70	4.08	4.42	4.83	5.22	5.58	5.97	6.34	6.70	7.10			0.12	0.47	0.68	1.05
4200	1.42	2.15	2.91	3.70	4.10	4.45	4.85	5.24	5.59	5.98	6.34	6.70	7.07			0.13	0.48	0.70	1.08
4300	1.41	2.15	2.93	3.73	4.11	4.47	4.88	5.26	5.61	6.00	6.34	6.68	7.04			0.13	0.49	0.71	1.10
4400	1.37	2.15	2.94	3.73	4.12	4.48	4.89	5.26	5.74	6.00	6.33	6.66	7.00			0.13	0.51	0.73	1.13
4500	1.36	2.14	2.94	3.74	4.12	4.48	4.89	5.27	5.87	6.14	6.31	6.63	6.94			0.14	0.52	0.74	1.15
4600	1.35	2.14	2.94	3.76	4.13	4.49	4.90	5.27	5.80	5.97	6.29					0.14	0.53	0.76	1.18
4700	1.35	2.13	2.95	3.76	4.13	4.59	5.01	5.38	5.73	5.95	6.25					0.14	0.54	0.78	1.21
4800	1.35	2.12	2.95	3.76	4.13	4.55	4.95	5.37	5.60	5.92	6.21					0.15	0.55	0.79	1.23
4900	1.33	2.11	2.96	3.76	4.13	4.52	4.88	5.36	5.56	5.89	6.16					0.15	0.56	0.81	1.26
5000	1.32	2.09	2.99	3.75	4.12	4.50	4.86	5.35	5.50	5.85	6.11					0.15	0.57	0.83	1.28
5100	1.30	2.08	2.99	3.74	4.11	4.48	4.84	5.25	5.48							0.16	0.59	0.84	1.31
5200	1.27	2.07	2.98	3.73	4.10	4.45	4.82	5.16	5.46							0.16	0.60	0.86	1.33
5300	1.26	2.05	2.96	3.70	4.08	4.42	4.78	5.10	5.41							0.16	0.61	0.88	1.36
5400	1.25	2.03	2.90	3.68	4.05	4.40	4.76	5.08	5.35							0.16	0.62	0.89	1.39
5500	1.20	2.01	2.85	3.67	4.03	4.37	4.72	5.03	5.29							0.17	0.63	0.91	1.41
5600	1.18	2.00	2.85	3.67	4.00	4.30	4.65									0.17	0.64	0.93	1.44
5700	1.16	1.99	2.80	3.66	3.98	4.28	4.60									0.17	0.65	0.94	1.46
5800	1.11	1.94	2.78	3.65	3.93	4.25	4.58									0.18	0.67	0.96	1.49
5900	1.08	1.93	2.75	3.64	3.89	4.20	4.52									0.18	0.68	0.98	1.51
6000	1.05	1.90	2.72	3.60	3.85	4.15	4.45									0.18	0.69	0.99	1.54





**Section BX: Power Rating P (kW) for Arc of Contact 180° (Table 26)**

n (rpm)	Pitch diameter of the smaller pulley (mm)																Additional Power (kW) per belt for speed ratio			
	90	100	106	112	118	125	132	140	160	180	190	200	212	224	250	280	1.01 to 1.05	1.06 to 1.12	1.27 to 1.57	For > 1.57
700	1.70	2.01	2.20	2.38	2.56	2.77	2.98	3.21	3.79	4.35	4.63	4.90	5.23	5.55	6.22	6.98	0.03	0.12	0.18	0.28
950	2.18	2.60	2.85	3.10	3.34	3.76	3.85	4.36	5.14	5.71	6.28	6.43	6.85	7.53	8.44	8.91	0.04	0.17	0.24	0.37
1450	2.93	3.51	3.85	4.18	4.52	4.90	5.28	5.70	6.74	7.74	8.22	8.70	9.25	9.79	10.73	12.16	0.07	0.26	0.37	0.57
2850	4.19	5.11	5.64	6.16	6.66	7.23	7.78	8.38	9.90	10.99	11.54	12.03	12.57	13.03	13.77		0.13	0.5	0.72	1.12
100	0.37	0.42	0.46	0.49	0.53	0.57	0.61	0.65	0.76	0.87	0.93	0.98	1.04	1.11	1.24	1.40	0.00	0.02	0.03	0.04
200	0.74	0.84	0.92	0.98	1.06	1.14	1.22	1.30	1.52	1.74	1.86	1.96	2.08	2.22	2.48	2.80	0.01	0.04	0.05	0.08
300	1.11	1.26	1.38	1.47	1.59	1.71	1.83	1.95	2.28	2.61	2.79	2.94	3.12	3.33	3.72	4.20	0.01	0.05	0.08	0.12
400	1.11	1.31	1.42	1.54	1.65	1.78	1.91	2.06	2.43	2.78	2.96	3.13	3.34	3.54	3.98	4.47	0.02	0.07	0.1	0.16
500	1.39	1.64	1.78	1.93	2.06	2.23	2.39	2.58	3.04	3.48	3.70	3.91	4.18	4.43	4.98	5.59	0.02	0.09	0.13	0.20
600	1.67	1.70	2.13	2.31	2.48	2.67	2.87	3.09	3.65	4.17	4.44	4.70	5.01	5.31	5.97	6.19	0.03	0.11	0.15	0.24
700	1.70	2.01	2.20	2.38	2.56	2.77	2.98	3.21	3.79	4.35	4.63	4.90	5.23	5.55	6.22	6.98	0.03	0.12	0.18	0.28
800	1.94	2.30	2.51	2.72	2.93	3.17	3.41	3.67	4.33	4.97	5.29	5.60	5.98	6.34	7.11	7.98	0.04	0.14	0.2	0.32
900	2.09	2.58	2.83	3.06	3.29	3.56	3.83	4.13	4.87	5.59	5.95	6.30	6.72	7.14	8.00	8.44	0.04	0.16	0.23	0.35
950	2.18	2.60	2.85	3.10	3.34	3.76	3.85	4.36	5.14	5.71	6.28	6.43	6.85	7.53	8.44	8.91	0.04	0.17	0.24	0.37
1000	2.19	2.61	2.86	3.11	3.35	3.78	3.91	4.44	5.25	5.72	6.29	6.44	6.86	7.54	8.45	9.12	0.05	0.18	0.25	0.39
1100	2.41	2.87	3.15	3.42	3.69	3.99	4.30	4.64	5.48	6.29	6.70	7.08	7.55	8.01	8.97	10.03	0.05	0.19	0.28	0.43
1200	2.63	3.13	3.43	3.73	4.02	4.36	4.69	5.06	5.98	6.86	7.31	7.73	8.23	8.74	9.78	10.34	0.06	0.21	0.31	0.47
1300	2.63	3.15	3.45	3.75	4.05	4.39	4.73	5.11	6.04	6.94	7.37	7.80	8.29	8.78	9.80	10.90	0.06	0.23	0.33	0.51
1400	2.83	3.39	3.72	4.04	4.36	4.73	5.09	5.50	6.50	7.47	7.94	8.40	8.93	9.46	10.55	11.74	0.07	0.25	0.36	0.55
1450	2.93	3.51	3.85	4.18	4.52	4.90	5.28	5.70	6.74	7.74	8.22	8.70	9.25	9.79	10.73	12.16	0.07	0.26	0.37	0.57
1500	3.00	3.63	3.98	4.33	4.67	5.07	5.46	5.90	6.97	8.00	8.50	9.00	9.57	10.06	10.74	12.20	0.07	0.26	0.38	0.59
1600	3.10	3.64	3.98	4.34	4.68	5.08	5.47	5.91	6.98	8.00	8.51	9.10	9.58	10.07	11.17	12.33	0.07	0.28	0.41	0.63
1700	3.20	3.85	4.23	4.57	4.97	5.40	5.81	6.28	7.42	8.50	9.02	9.53	10.13	10.70	11.87	13.08	0.08	0.30	0.43	0.67
1800	3.34	4.07	4.44	4.84	5.27	5.68	6.12	6.65	7.85	8.91	9.55	9.96	10.72	10.80	11.92	13.10	0.08	0.32	0.46	0.71
1900	3.35	4.08	4.45	4.85	5.28	5.69	6.13	6.66	7.91	8.92	9.56	9.97	10.73	11.12	12.25	13.38	0.09	0.33	0.48	0.75
2000	3.53	4.25	4.68	5.11	5.52	5.99	6.45	6.97	8.22	9.39	9.95	10.50	11.12	11.71	12.80	13.86	0.09	0.35	0.51	0.79
2100	3.70	4.47	4.85	5.36	5.72	6.22	6.70	7.32	8.63	9.70	10.44	10.77	11.13	11.72	12.80	14.02	0.10	0.37	0.53	0.83
2200	3.79	4.48	4.86	5.37	5.73	6.23	6.71	7.33	8.82	9.70	10.45	10.78	11.38	11.94	13.02	14.08	0.10	0.39	0.56	0.87
2300	3.81	4.61	5.08	5.54	5.99	6.51	7.02	7.58	8.91	10.14	10.72	11.27	11.50	12.34	13.34	14.19	0.11	0.41	0.58	0.91
2400	3.97	4.81	5.30	5.78	6.25	6.80	7.32	7.91	9.29	10.58	11.19	11.32	11.75	12.35	13.35	14.20	0.11	0.42	0.61	0.95
2500	3.98	4.82	5.31	5.79	6.26	6.81	7.33	7.92	9.39	10.59	11.19	11.40	11.89	12.51	13.46	14.21	0.12	0.44	0.64	0.99
2600	4.06	4.93	5.44	5.93	6.42	6.97	7.50	8.09	9.49	10.74	11.32	11.70	12.24	13.01	13.52		0.13	0.46	0.66	1.02
2700	4.11	5.01	5.53	6.16	6.66	7.10	7.76	8.20	9.85	10.79	11.33	11.71	12.25	13.01	13.55		0.13	0.48	0.69	1.06
2800	4.12	5.02	5.54	6.16	6.66	7.10	7.77	8.23	9.90	10.80	11.34	11.82	12.35	13.02	13.63		0.14	0.49	0.71	1.10
2850	4.19	5.11	5.64	6.16	6.66	7.23	7.78	8.38	9.90	10.99	11.54	12.03	12.57	13.03	13.77		0.14	0.50	0.72	1.12
2900	4.27	5.20	5.74	6.27	6.77	7.35	7.91	8.52	9.94	11.01	11.55	12.04	12.58	13.26	13.47		0.13	0.51	0.74	1.14
3000	4.41	5.38	5.80	6.48	6.85	7.61	7.92	8.82	9.95	11.03	11.55	12.05	12.45	12.84	13.37		0.14	0.53	0.76	1.18
3100	4.42	5.39	5.81	6.49	6.86	7.65	7.99	8.83	9.96	11.11	11.60	12.06					0.15	0.55	0.79	1.22
3200	4.45	5.43	6.00	6.54	7.08	7.67	8.25	8.87	10.28	11.21	11.65	12.42					0.15	0.56	0.81	1.26
3300	4.45	5.44	6.19	6.55	7.10	7.91	8.49	8.88	10.58	11.22	11.66	12.37					0.15	0.58	0.84	1.30
3400	4.46	5.45	6.20	6.56	7.11	7.92	8.50	8.89	10.59	11.24	11.66	12.36					0.16	0.60	0.86	1.34
3500	4.59	5.61	6.21	6.72	7.32	7.93	8.50	9.01	10.60	11.57	12.00	12.35					0.16	0.62	0.89	1.38
3600	4.60	5.62	6.25	6.73	7.53	7.95	8.62	9.02	10.39	11.23							0.17	0.63	0.92	1.42
3700	4.63	5.63	6.26	6.75	7.54	7.96	8.65	9.03	10.28	11.19							0.17	0.65	0.94	1.46
3800	4.64	5.75	6.36	6.93	7.55	7.98	8.67	9.27	10.27	11.18							0.18	0.67	0.97	1.50
3900	4.64	5.90	6.52	7.00	7.68	7.99	8.90	9.52	10.26	11.05							0.18	0.69	0.99	1.54
4000	4.65	5.92	6.53	7.01	7.69	7.99	8.95	9.09	10.20	10.94							0.19	0.71	1.02	1.58
4100	4.77	5.93	6.55	7.04	7.70	8.19	8.96	9.08	10.20								0.19	0.72	1.04	1.62
4200	4.88	5.98	6.63	7.21	7.78	8.39	8.96	9.07	10.11								0.20	0.74	1.07	1.65
4300	4.79	5.99	6.53	6.93	7.79	8.40	8.75	9.06	10.02								0.20	0.76	1.09	1.69
4400	4.83	5.99	6.52	6.93	7.80	8.21	8.74	9.05	10.00								0.21	0.78	1.12	1.73
4500	4.84	6.04	6.51	6.93	7.81	8.20	8.73	8.97	10.00								0.21	0.79	1.14	1.77
4600	4.83	5.78	6.37	6.93	7.75	7.97	8.65										0.22	0.81	1.17	1.81
4700	4.80	5.77	6.36	6.92	7.60	7.96	8.63										0.22	0.83	1.19	1.85
4800	4.79	5.76	6.35	6.91	7.59	7.94	8.44										0.22	0.85	1.23	1.89
4900	4.66	5.74	6.32	6.86	7.34	7.84	8.26										0.23	0.86	1.25	1.93
5000	4.65	5.72	6.31	6.85	7.33	7.83	8.23										0.23	0.88	1.27	1.97









n (rpm)	Pitch diameter of the smaller pulley (mm)																Additional Power (kW) per belt for speed ratio				
	56	60	63	71	80	85	90	95	100	112	125	140	160	180	200	1.01 to	1.06 > 1.05	1.27 1.08	For to 1.57	to 1.57	
700	0.63	0.73	0.80	0.99	1.21	1.33	1.45	1.57	1.69	1.97	2.27	2.61	3.07	3.51	3.94	0.01	0.06	0.06	0.10		
950	0.77	0.91	1.00	1.25	1.53	1.69	1.84	2.00	2.15	2.52	2.90	3.34	3.93	4.50	5.05	0.01	0.08	0.11	0.13		
1450	1.08	1.27	1.41	1.78	2.19	2.42	2.64	2.87	3.10	3.62	4.19	4.82	5.65	6.46	7.24	0.02	0.12	0.16	0.20		
2850	1.76	2.10	2.36	3.04	3.78	4.18	4.59	4.98	5.37	6.29	7.24	8.31	9.65	10.90	12.06	0.04	0.23	0.32	0.40		
100	0.13	0.14	0.16	0.19	0.23	0.25	0.27	0.29	0.31	0.36	0.41	0.47	0.55	0.63	0.70	0.00	0.01	0.01	0.01		
200	0.22	0.24	0.28	0.33	0.41	0.45	0.48	0.52	0.56	0.65	0.74	0.85	1.00	1.14	1.27	0.00	0.02	0.02	0.03		
300	0.30	0.33	0.38	0.46	0.57	0.62	0.67	0.72	0.78	0.91	1.04	1.20	1.40	1.61	1.79	0.00	0.02	0.03	0.04		
400	0.38	0.41	0.48	0.58	0.71	0.78	0.85	0.91	0.98	1.15	1.32	1.52	1.79	2.05	2.28	0.00	0.03	0.05	0.06		
500	0.44	0.48	0.56	0.68	0.85	0.93	1.01	1.09	1.17	1.38	1.58	1.82	2.15	2.47	2.74	0.01	0.04	0.06	0.07		
600	0.56	0.65	0.71	0.88	1.07	1.18	1.28	1.39	1.49	1.74	2.00	2.30	2.70	3.09	3.47	0.01	0.05	0.07	0.08		
700	0.63	0.73	0.80	0.99	1.21	1.33	1.45	1.57	1.69	1.97	2.27	2.61	3.07	3.51	3.94	0.01	0.06	0.08	0.10		
800	0.69	0.80	0.88	1.10	1.34	1.48	1.61	1.75	1.88	2.20	2.53	2.91	3.42	3.92	4.40	0.01	0.06	0.09	0.11		
900	0.74	0.87	0.96	1.20	1.47	1.62	1.76	1.92	2.06	2.41	2.78	3.20	3.76	4.31	4.83	0.01	0.07	0.10	0.13		
950	0.77	0.91	1.00	1.25	1.53	1.69	1.84	2.00	2.15	2.52	2.90	3.34	3.93	4.50	5.05	0.01	0.08	0.11	0.13		
1000	0.80	0.94	1.03	1.30	1.59	1.76	1.92	2.09	2.24	2.63	3.02	3.48	4.10	4.69	5.26	0.01	0.08	0.11	0.14		
1100	0.90	1.05	1.16	1.45	1.78	1.96	2.14	2.32	2.50	2.92	3.37	3.88	4.55	5.21	5.85	0.01	0.09	0.12	0.15		
1200	0.95	1.12	1.23	1.55	1.90	2.10	2.29	2.48	2.68	3.13	3.61	4.16	4.88	5.58	6.26	0.01	0.10	0.14	0.17		
1300	1.01	1.18	1.31	1.64	2.02	2.23	2.43	2.64	2.85	3.33	3.85	4.43	5.19	5.94	6.66	0.02	0.10	0.15	0.18		
1400	1.06	1.24	1.38	1.73	2.14	2.36	2.58	2.80	3.02	3.53	4.07	4.69	5.50	6.29	7.05	0.02	0.11	0.16	0.19		
1450	1.08	1.27	1.41	1.78	2.19	2.42	2.64	2.87	3.10	3.62	4.19	4.82	5.65	6.46	7.24	0.02	0.12	0.16	0.20		
1500	1.10	1.30	1.44	1.82	2.25	2.48	2.71	2.95	3.18	3.72	4.30	4.95	5.80	6.63	7.43	0.02	0.12	0.17	0.21		
1600	1.19	1.40	1.55	1.96	2.42	2.67	2.92	3.17	3.42	4.00	4.62	5.32	6.23	7.12	7.98	0.02	0.13	0.18	0.22		
1700	1.24	1.46	1.62	2.05	2.53	2.79	3.06	3.32	3.58	4.19	4.84	5.57	6.52	7.45	8.34	0.02	0.14	0.19	0.24		
1800	1.28	1.51	1.68	2.13	2.64	2.91	3.19	3.46	3.74	4.37	5.05	5.82	6.80	7.76	8.69	0.02	0.14	0.20	0.25		
1900	1.33	1.57	1.74	2.21	2.74	3.03	3.32	3.60	3.89	4.55	5.26	6.05	7.08	8.07	9.02	0.02	0.15	0.22	0.26		
2000	1.37	1.62	1.80	2.29	2.85	3.14	3.44	3.74	4.04	4.73	5.46	6.28	7.34	8.37	9.34	0.02	0.16	0.23	0.28		
2100	1.44	1.71	1.91	2.43	3.01	3.33	3.64	3.95	4.26	4.99	5.76	6.63	7.75	8.83	9.87	0.03	0.17	0.24	0.29		
2200	1.48	1.76	1.97	2.51	3.11	3.44	3.76	4.09	4.41	5.16	5.96	6.85	8.01	9.11	10.17	0.03	0.18	0.25	0.31		
2300	1.52	1.81	2.03	2.59	3.21	3.55	3.89	4.22	4.55	5.33	6.15	7.07	8.25	9.38	10.46	0.03	0.18	0.26	0.32		
2400	1.56	1.86	2.08	2.66	3.31	3.66	4.00	4.35	4.69	5.49	6.34	7.28	8.49	9.64	10.74	0.03	0.19	0.27	0.33		
2500	1.59	1.90	2.14	2.73	3.40	3.77	4.12	4.47	4.83	5.65	6.52	7.49	8.72	9.89	10.99	0.03	0.20	0.28	0.35		
2600	1.67	1.99	2.23	2.86	3.55	3.93	4.31	4.68	5.04	5.91	6.81	7.83	9.12	10.34	11.49	0.03	0.21	0.30	0.36		
2700	1.71	2.04	2.28	2.93	3.64	4.03	4.42	4.80	5.17	6.07	6.99	8.03	9.34	10.57	11.73	0.03	0.22	0.31	0.38		
2800	1.74	2.08	2.33	3.00	3.73	4.13	4.53	4.92	5.30	6.22	7.16	8.22	9.55	10.79	11.95	0.03	0.22	0.32	0.39		
2850	1.76	2.10	2.36	3.04	3.78	4.18	4.59	4.98	5.37	6.29	7.24	8.31	9.65	10.90	12.06	0.04	0.23	0.32	0.40		
2900	1.77	2.12	2.38	3.07	3.82	4.23	4.64	5.04	5.43	6.36	7.32	8.40	9.75	11.00	12.16	0.04	0.23	0.33	0.40		
3000	1.80	2.16	2.43	3.14	3.90	4.33	4.75	5.16	5.55	6.51	7.48	8.58	9.94	11.20	12.35	0.04	0.24	0.34	0.42		
3100	1.88	2.25	2.53	3.25	4.05	4.49	4.92	5.34	5.76	6.74	7.77	8.90	10.32	11.63	12.82	0.04	0.25	0.35	0.43		
3200	1.91	2.29	2.58	3.31	4.13	4.58	5.02	5.45	5.88	6.88	7.92	9.07	10.50	11.81	12.99	0.04	0.26	0.36	0.45		
3300	1.94	2.33	2.62	3.38	4.21	4.67	5.12	5.56	6.00	7.01	8.07	9.23	10.67	11.97	13.13	0.04	0.26	0.37	0.46		
3400	1.97	2.37	2.67	3.44	4.29	4.76	5.22	5.66	6.11	7.14	8.22	9.38	10.83	12.12	13.26	0.04	0.27	0.39	0.47		
3500	2.00	2.40	2.71	3.50	4.37	4.85	5.31	5.77	6.22	7.27	8.35	9.53	10.98	12.26	13.38	0.04	0.28	0.40	0.49		
3600	2.06	2.48	2.80	3.62	4.52	5.01	5.49	5.96	6.42	7.51	8.62	9.84	11.34	12.67	13.84	0.04	0.29	0.41	0.50		
3700	2.09	2.52	2.84	3.68	4.60	5.09	5.58	6.06	6.53	7.63	8.75	9.98	11.47	12.79	13.92	0.05	0.30	0.42	0.52		
3800	2.11	2.55	2.88	3.73	4.67	5.17	5.67	6.15	6.63	7.75	8.88	10.11	11.60	12.89	13.99	0.05	0.30	0.43	0.53		
3900	2.14	2.58	2.92	3.79	4.74	5.25	5.76	6.25	6.73	7.86	8.99	10.23	11.71	12.98	14.03	0.05	0.31	0.44	0.54		
4000	2.16	2.61	2.96	3.84	4.81	5.33	5.84	6.34	6.82	7.96	9.11	10.34	11.81	13.05	14.40	0.05	0.32	0.45	0.56		
4100	2.23	2.70	3.04	3.95	4.94	5.48	6.00	6.52	7.02	8.19	9.38	10.55	12.16	13.45	14.50	0.05	0.33	0.47	0.57		
4200	2.25	2.73	3.08	4.00	5.01	5.55	6.08	6.61	7.11	8.29	9.49	10.65	12.25	13.50	14.59	0.05	0.34	0.48	0.58		
4300	2.27	2.76	3.11	4.05	5.07	5.62	6.16	6.69	7.20	8.39	9.58	10.74	12.32	13.53	14.66	0.05	0.34	0.49	0.60		
4400	2.29	2.79	3.15	4.10	5.13	5.69	6.23	6.77	7.28	8.48	9.68	10.83	12.38	13.55	14.71	0.05	0.35	0.50	0.61		
4500	2.31	2.82	3.18	4.14	5.19	5.76	6.30	6.84	7.36	8.56	9.76	10.90	12.43	13.87	14.75	0.06	0.36	0.51	0.63		
4600	2.37	2.89	3.26	4.25	5.33	5.90	6.47	7.02	7.55	8.78	10.02	11.30	12.77	13.94		0.06	0.37	0.52	0.64		
4700	2.39	2.92	3.29	4.29	5.39	5.96	6.54	7.09	7.63	8.86	10.10	11.37	12.80	13.98		0.06	0.38	0.53	0.65		
4800	2.41	2.94	3.32	4.34	5.44	6.02	6.60	7.16	7.70	8.93	10.17	11.42	12.82	14.05		0.06	0.38	0.54	0.67		
4900	2.42	2.96	3.35	4.38	5.49	6.08	6.67	7.23	7.77	9.00	10.23	11.47	12.83	14.08		0.06	0.39	0.56	0.68		
5000	2.44	2.99	3.38	4.42	5.55	6.14	6.73	7.29	7.83	9.07	10.29	11.51	12.89	14.10		0.06	0.40	0.57	0.70		
5100	2.50	3.05	3.46	4.53	5.67	6.28	6.88	7.46	8.02	9.29	10.54	11.80	13.16			0.06	0.41	0.58	0.71		
5200	2.51	3.07	3.49	4.57	5.72	6.33	6.94	7.52	8.08	9.35	10.59	11.83	13.20			0.06	0.42	0.59	0.72		
5300	2.53	3.09	3.51	4.60	5.76	6.38	6.99	7.57	8.14	9.40	10.63	11.84	13.24			0.07	0.42	0.60	0.74		
5400	2.54	3.11	3.53	4.64	5.81	6.43	7.04	7.62	8.19	9.45	10.66	11.85	13.27			0.07	0.43	0.61	0.75		
5500	2.55	3.13	3.55	4.67	5.85	6.47	7.08	7.67	8.23	9.49	10.69	11.85	13.28			0.07	0.44	0.62	0.77		
5600	2.61	3.20	3.64	4.77	5.98	6.62	7.24	7.84	8.42	9.70	10.93	12.12				0.07	0.45	0.64	0.78		
5800	2.63	3.23	3.68	4.83	6.05	6.70	7.32	7.92	8.50												



n (rpm)	Pitch diameter of the smaller pulley (mm)								Additional Power (kW) per belt for speed ratio			
	71	75	80	90	100	112	118	125	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	0.96	1.13	1.33	1.75	2.15	2.63	2.87	3.16	0.02	0.13	0.19	0.23
950	1.20	1.41	1.69	2.23	2.76	3.40	3.72	4.09	0.03	0.18	0.26	0.31
1450	1.71	2.03	2.44	3.23	4.03	4.97	5.43	5.98	0.04	0.27	0.39	0.48
2850	2.85	3.45	4.19	5.66	7.10	8.79	9.62	10.58	0.08	0.54	0.77	0.94
100	0.19	0.21	0.25	0.31	0.38	0.46	0.49	0.54	0.00	0.02	0.03	0.03
200	0.33	0.37	0.44	0.56	0.69	0.84	0.90	0.99	0.01	0.04	0.05	0.07
300	0.45	0.51	0.62	0.78	0.97	1.19	1.27	1.41	0.01	0.06	0.08	0.10
400	0.56	0.63	0.78	0.99	1.24	1.52	1.63	1.81	0.01	0.08	0.11	0.13
500	0.66	0.74	0.92	1.18	1.49	1.84	1.97	2.19	0.01	0.09	0.13	0.16
600	0.86	1.00	1.18	1.54	1.89	2.31	2.52	2.77	0.02	0.11	0.16	0.20
700	0.96	1.13	1.33	1.75	2.15	2.63	2.87	3.16	0.02	0.13	0.19	0.23
800	1.06	1.24	1.48	1.95	2.40	2.94	3.22	3.54	0.02	0.15	0.22	0.26
900	1.16	1.36	1.62	2.14	2.64	3.25	3.55	3.91	0.03	0.17	0.24	0.30
950	1.20	1.41	1.69	2.23	2.76	3.40	3.72	4.09	0.03	0.18	0.26	0.31
1000	1.25	1.47	1.75	2.33	2.88	3.55	3.88	4.27	0.03	0.19	0.27	0.33
1100	1.41	1.66	1.98	2.60	3.23	3.97	4.33	4.76	0.03	0.21	0.30	0.36
1200	1.50	1.77	2.12	2.79	3.47	4.27	4.65	5.12	0.04	0.23	0.32	0.40
1300	1.58	1.88	2.25	2.97	3.70	4.55	4.97	5.47	0.04	0.25	0.35	0.43
1400	1.67	1.98	2.37	3.14	3.92	4.84	5.28	5.81	0.04	0.27	0.38	0.46
1450	1.71	2.03	2.44	3.23	4.03	4.97	5.43	5.98	0.04	0.27	0.39	0.48
1500	1.75	2.08	2.50	3.31	4.14	5.11	5.58	6.14	0.04	0.28	0.40	0.49
1600	1.89	2.25	2.69	3.58	4.46	5.50	6.01	6.61	0.05	0.30	0.43	0.53
1700	1.97	2.35	2.81	3.75	4.68	5.77	6.31	6.94	0.05	0.32	0.46	0.56
1800	2.04	2.44	2.93	3.92	4.89	6.04	6.60	7.26	0.05	0.34	0.48	0.59
1900	2.12	2.53	3.04	4.08	5.10	6.30	6.89	7.58	0.06	0.36	0.51	0.63
2000	2.18	2.62	3.16	4.24	5.30	6.55	7.16	7.88	0.06	0.38	0.54	0.66
2100	2.32	2.78	3.35	4.48	5.60	6.92	7.57	8.33	0.06	0.40	0.56	0.69
2200	2.39	2.87	3.46	4.64	5.80	7.17	7.84	8.63	0.06	0.42	0.59	0.73
2300	2.45	2.95	3.57	4.79	5.99	7.41	8.11	8.92	0.07	0.44	0.62	0.76
2400	2.52	3.03	3.67	4.93	6.18	7.65	8.37	9.21	0.07	0.45	0.65	0.79
2500	2.58	3.11	3.77	5.08	6.37	7.88	8.62	9.48	0.07	0.47	0.67	0.82
2600	2.71	3.26	3.95	5.32	6.66	8.24	9.02	9.92	0.08	0.49	0.70	0.86
2700	2.77	3.34	4.05	5.46	6.84	8.46	9.27	10.19	0.08	0.51	0.73	0.89
2800	2.83	3.41	4.14	5.60	7.02	8.68	9.50	10.45	0.08	0.53	0.75	0.92
2850	2.85	3.45	4.19	5.66	7.10	8.79	9.62	10.58	0.08	0.54	0.77	0.94
2900	2.88	3.48	4.24	5.73	7.19	8.89	9.73	10.70	0.08	0.55	0.78	0.96
3000	2.93	3.55	4.32	5.86	7.35	9.10	9.96	10.95	0.09	0.57	0.81	0.99
3100	3.05	3.70	4.50	6.09	7.64	9.45	10.34	11.36	0.09	0.59	0.83	1.02
3200	3.10	3.77	4.59	6.22	7.80	9.65	10.56	11.59	0.09	0.61	0.86	1.05
3300	3.15	3.83	4.67	6.34	7.96	9.84	10.76	11.90	0.10	0.63	0.89	1.09
3400	3.19	3.89	4.75	6.45	8.11	10.02	10.96	12.12	0.10	0.64	0.91	1.12
3500	3.23	3.95	4.83	6.57	8.25	10.20	11.16	12.33	0.10	0.66	0.94	1.15
3600	3.35	4.09	5.00	6.79	8.53	10.55	11.53	12.66	0.11	0.68	0.97	1.19
3700	3.39	4.15	5.07	6.90	8.67	10.72	11.71	12.86	0.11	0.70	0.99	1.22
3800	3.43	4.20	5.14	7.00	8.80	10.88	11.97	13.13	0.11	0.72	1.02	1.25
3900	3.46	4.25	5.21	7.10	8.93	11.04	12.14	13.31	0.11	0.74	1.05	1.29
4000	3.50	4.30	5.28	7.20	9.05	11.19	12.30	13.48	0.12	0.76	1.08	1.32
4100	3.62	4.43	5.44	7.41	9.32	11.52	12.58	13.78	0.12	0.78	1.10	1.35
4200	3.65	4.47	5.50	7.50	9.44	11.66	12.73	13.93	0.12	0.80	1.13	1.38
4300	3.68	4.52	5.56	7.64	9.61	11.87	12.95	14.18	0.13	0.81	1.16	1.42
4400	3.70	4.55	5.61	7.72	9.72	12.00	13.08	14.32	0.13	0.83	1.18	1.45
4500	3.73	4.59	5.66	7.80	9.82	12.11	13.20	14.44	0.13	0.85	1.21	1.48
4600	3.83	4.73	5.82	7.96	10.01	12.35	13.47	14.72	0.13	0.87	1.24	1.52
4700	3.85	4.76	5.87	8.03	10.10	12.45	13.58	14.83	0.14	0.89	1.26	1.55
4800	3.87	4.79	5.91	8.16	10.26	12.64	13.78	15.05	0.14	0.91	1.29	1.58
4900	3.88	4.82	5.95	8.22	10.34	12.73	13.87	15.14	0.14	0.93	1.32	1.62
5000	3.89	4.84	5.99	8.28	10.41	12.81	13.95	15.21	0.15	0.95	1.34	1.65
5100	4.00	4.97	6.15	8.43	10.60	13.04	14.19	15.47	0.15	0.97	1.37	1.68
5200	4.01	4.99	6.18	8.48	10.66	13.11	14.25	15.53	0.15	0.98	1.40	1.71
5300	4.04	5.01	6.21	8.59	10.80	13.27	14.42	15.70	0.16	1.00	1.42	1.75
5400	4.06	5.02	6.24	8.63	10.85	13.32	14.47	15.74	0.16	1.02	1.45	1.78
5500	4.09	5.03	6.26	8.67	10.90	13.36	14.50	15.76	0.16	1.04	1.48	1.81
5600	4.13	5.15	6.41	8.81	11.06	13.56	14.72	15.99	0.16	1.06	1.51	1.85
5700	4.13	5.16	6.43	8.84	11.09	13.59	14.74	15.99	0.17	1.08	1.53	1.88
5800	4.14	5.16	6.44	8.93	11.22	13.73	14.88	16.14	0.17	1.10	1.56	1.91
5900	4.15	5.16	6.45	8.95	11.24	13.74	14.88	16.15	0.17	1.12	1.59	1.94
6000	4.16	5.16	6.45	8.97	11.26	13.74	14.90	16.20	0.18	1.14	1.61	1.98
6100	4.18	5.28	6.59	9.09	11.41	13.90	15.06	16.23	0.18	1.16	1.64	2.01
6200	4.19	5.28	6.59	9.10	11.41	13.90	15.10	16.23	0.18	1.17	1.67	2.04
6300	4.20	5.28	6.60	9.18	11.51	13.96	15.14	16.25	0.18	1.19	1.69	2.08
6400	4.20	5.30	6.62	9.18	11.55	13.98	15.16	16.26	0.19	1.21	1.72	2.11
6500	4.21	5.32	6.64	9.26	11.58	13.98	15.18	16.30	0.19	1.23	1.75	2.14
6600	4.22	5.33	6.69	9.28	11.60	14.09	15.19	16.33	0.19	1.25	1.77	2.18
6700	4.22	5.34	6.69	9.30	11.62	14.11	15.19	16.29	0.20	1.27	1.80	2.21
6800	4.22	5.36	6.74	9.32	11.66	14.11	15.17	16.28	0.20	1.29	1.83	2.24
6900	4.21	5.36	6.75	9.34	11.67	14.08	15.15	16.20	0.20	1.31	1.86	2.27
7000	4.20	5.36	6.75	9.35	11.68	14.06	15.12	16.18	0.21	1.33	1.88	2.31





**Section XPA: Power Rating P (kW) for Arc of Contact 180° (Table 30)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	140	160	180	200	224	250	280	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	3.76	4.54	5.32	6.13	7.05	8.04	9.17	0.02	0.13	0.19	0.23
950	4.88	5.98	7.00	7.97	9.16	10.44	12.02	0.03	0.18	0.26	0.31
1450	7.13	8.71	10.19	11.66	13.37	15.16	17.17	0.04	0.27	0.39	0.48
2850	12.56	15.20	17.61	19.88	22.37	24.78	27.13	0.08	0.54	0.77	0.94
100	0.64	0.76	0.89	1.02	1.17	1.33	1.51	0.00	0.02	0.03	0.03
200	1.18	1.41	1.65	1.90	2.18	2.48	2.82	0.01	0.04	0.05	0.07
300	1.69	2.01	2.46	2.72	3.13	3.57	4.05	0.01	0.06	0.08	0.10
400	2.16	2.59	3.17	3.67	4.22	4.82	5.49	0.01	0.08	0.11	0.13
500	2.62	3.14	3.86	4.47	5.14	5.87	6.69	0.01	0.09	0.13	0.16
600	3.29	3.97	4.65	5.24	6.03	6.89	7.84	0.02	0.11	0.16	0.20
700	3.76	4.54	5.32	6.13	7.05	8.04	9.17	0.02	0.13	0.19	0.23
800	4.21	5.16	6.04	6.88	7.91	9.02	10.28	0.02	0.15	0.22	0.26
900	4.66	5.71	6.68	7.61	8.75	9.97	11.49	0.03	0.17	0.24	0.30
950	4.88	5.98	7.00	7.97	9.16	10.44	12.02	0.03	0.18	0.26	0.31
1000	5.09	6.24	7.31	8.46	9.73	11.08	12.61	0.03	0.19	0.27	0.33
1100	5.67	6.86	8.04	9.17	10.54	11.99	13.63	0.03	0.21	0.30	0.36
1200	6.10	7.38	8.65	9.86	11.32	12.88	14.62	0.04	0.23	0.32	0.40
1300	6.52	7.96	9.32	10.67	12.25	13.92	15.80	0.04	0.25	0.35	0.43
1400	6.93	8.46	9.90	11.33	13.00	14.76	16.72	0.04	0.27	0.38	0.46
1450	7.13	8.71	10.19	11.66	13.37	15.16	17.17	0.04	0.27	0.39	0.48
1500	7.33	8.95	10.47	11.98	13.73	15.56	17.61	0.04	0.28	0.40	0.49
1600	7.88	9.54	11.16	12.75	14.61	16.56	18.73	0.05	0.30	0.43	0.53
1700	8.27	10.01	11.71	13.36	15.30	17.31	19.54	0.05	0.32	0.46	0.56
1800	8.66	10.55	12.33	13.96	15.96	18.03	20.30	0.05	0.34	0.48	0.59
1900	9.03	11.00	12.85	14.71	16.81	18.98	21.35	0.06	0.36	0.51	0.63
2000	9.40	11.44	13.35	15.27	17.43	19.64	22.03	0.06	0.38	0.54	0.66
2100	9.92	11.99	14.00	15.81	18.01	20.25	22.66	0.06	0.40	0.56	0.69
2200	10.28	12.41	14.48	16.53	18.81	21.15	23.64	0.06	0.42	0.59	0.73
2300	10.62	12.91	15.05	17.03	19.35	21.70	24.17	0.07	0.44	0.62	0.76
2400	10.96	13.31	15.50	17.51	19.85	22.21	24.65	0.07	0.45	0.65	0.79
2500	11.28	13.69	15.92	18.19	20.62	23.04	25.55	0.07	0.47	0.67	0.82
2600	11.80	14.22	16.52	18.63	21.07	23.47	25.92	0.08	0.49	0.70	0.86
2700	12.11	14.58	16.92	19.04	21.48	23.85	26.22	0.08	0.51	0.73	0.89
2800	12.42	15.03	17.43	19.69	22.19	24.62	27.03	0.08	0.53	0.75	0.92
2850	12.56	15.20	17.61	19.88	22.37	24.78	27.13	0.08	0.54	0.77	0.94
2900	12.71	15.37	17.79	20.06	22.54	24.92	27.22	0.08	0.55	0.78	0.96
3000	12.99	15.69	18.13	20.40	22.86	25.17	27.33	0.09	0.57	0.81	0.99
3100	13.49	16.18	18.69	21.01	23.52	25.87		0.09	0.59	0.83	1.02
3200	13.76	16.48	19.00	21.30	23.77	26.03		0.09	0.61	0.86	1.05
3300	14.11	16.88	19.44	21.57	23.97	26.13		0.10	0.63	0.89	1.09
3400	14.36	17.15	19.71	22.14	24.58	26.75		0.10	0.64	0.91	1.12
3500	14.59	17.40	19.95	22.35	24.71	26.75		0.10	0.66	0.94	1.15
3600	14.97	17.84	20.45	22.53	24.80			0.11	0.68	0.97	1.19
3700	15.19	18.06	20.65	23.05	25.80			0.11	0.70	0.99	1.22
3800	15.50	18.42	21.03	23.17	25.81			0.11	0.72	1.02	1.25
3900	15.69	18.61	21.19	23.26	25.82			0.11	0.74	1.05	1.29
4000	15.87	18.78	21.31	23.74	25.82			0.12	0.76	1.08	1.32
4100	16.23	19.18	21.76	23.77				0.12	0.78	1.10	1.35
4200	16.39	19.32	21.84	23.90				0.12	0.80	1.13	1.38
4300	16.66	19.62	22.15	24.19				0.13	0.81	1.16	1.42
4400	16.79	19.72	22.18	24.12				0.13	0.83	1.18	1.45
4500	16.91	19.80	22.19	24.00				0.13	0.85	1.21	1.48
4600	17.23	20.16	22.56					0.13	0.87	1.24	1.52
4700	17.32	20.20	22.60					0.14	0.89	1.26	1.55
4800	17.56	20.44	22.73					0.14	0.91	1.29	1.58
4900	17.63	20.44	22.63					0.14	0.93	1.32	1.62
5000	17.68	20.60	22.49					0.15	0.95	1.34	1.65
5100	17.97	20.70						0.15	0.97	1.37	1.68
5200	17.99	20.80						0.15	0.98	1.40	1.71
5300	18.18	20.85						0.16	1.00	1.42	1.75
5400	18.18	20.85						0.16	1.02	1.45	1.78
5500	18.22	20.62						0.16	1.04	1.48	1.81
5600	18.30							0.16	1.06	1.51	1.85
5700	18.35							0.17	1.08	1.53	1.88
5800	18.49							0.17	1.10	1.56	1.91
5900	18.50							0.17	1.12	1.59	1.94
6000	18.40							0.18	1.14	1.61	1.98
6100	18.35							0.18	1.16	1.64	2.01
6200	18.32							0.18	1.17	1.67	2.04
6300	18.31							0.18	1.19	1.69	2.08
6400	18.30							0.19	1.21	1.72	2.11
6500	18.25							0.19	1.23	1.75	2.14





**Section XPB/5VX: Power Rating P (kW) for Arc of Contact 180° (Table 31)**

n (rpm)	Pitch diameter of the smaller pulley (mm)								Additional Power (kW) per belt for speed ratio			
	100	110	125	140	160	180	200	225	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	2.87	3.26	3.71	4.16	4.68	5.32	5.96	7.24	0.04	0.29	0.41	0.50
950	3.75	4.27	4.87	5.47	6.16	7.01	7.86	9.56	0.06	0.39	0.55	0.68
1450	5.51	6.28	7.17	8.07	9.09	10.36	11.61	14.11	0.09	0.59	0.84	1.03
2850	9.73	11.14	12.76	14.37	16.18	18.39	20.57	24.77	0.18	1.17	1.65	2.03
100	0.48	0.54	0.61	0.67	0.75	0.85	0.95	1.14	0.01	0.04	0.06	0.07
200	0.90	1.01	1.15	1.27	1.42	1.62	1.81	2.18	0.01	0.08	0.12	0.14
300	1.29	1.46	1.66	1.84	2.06	2.35	2.64	3.18	0.02	0.12	0.17	0.21
400	1.72	1.95	2.21	2.47	2.78	3.15	3.53	4.27	0.03	0.16	0.23	0.28
500	2.10	2.38	2.70	3.03	3.41	3.87	4.34	5.25	0.03	0.20	0.29	0.36
600	2.47	2.81	3.19	3.57	4.03	4.57	5.13	6.21	0.04	0.25	0.35	0.43
700	2.87	3.26	3.71	4.16	4.68	5.32	5.96	7.24	0.04	0.29	0.41	0.50
800	3.23	3.67	4.18	4.69	5.28	6.01	6.73	8.18	0.05	0.33	0.46	0.57
900	3.58	4.07	4.64	5.21	5.87	6.68	7.49	9.10	0.06	0.37	0.52	0.64
950	3.75	4.27	4.87	5.47	6.16	7.01	7.86	9.56	0.06	0.39	0.55	0.68
1000	3.97	4.51	5.15	5.78	6.51	7.41	8.30	10.09	0.06	0.41	0.58	0.71
1100	4.31	4.90	5.60	6.29	7.09	8.07	9.04	10.99	0.07	0.45	0.64	0.78
1200	4.65	5.29	6.04	6.79	7.65	8.71	9.76	11.87	0.08	0.49	0.70	0.85
1300	5.02	5.72	6.53	7.34	8.27	9.42	10.56	12.83	0.08	0.53	0.75	0.93
1400	5.35	6.10	6.96	7.83	8.82	10.05	11.27	13.68	0.09	0.57	0.81	1.00
1450	5.51	6.28	7.17	8.07	9.09	10.36	11.61	14.11	0.09	0.59	0.84	1.03
1500	5.67	6.46	7.38	8.31	9.36	10.67	11.96	14.52	0.09	0.61	0.87	1.07
1600	6.02	6.87	7.86	8.84	9.96	11.35	12.73	15.45	0.10	0.65	0.93	1.14
1700	6.33	7.23	8.27	9.30	10.48	11.95	13.40	16.26	0.11	0.70	0.99	1.21
1800	6.63	7.58	8.67	9.76	11.00	12.53	14.05	17.04	0.11	0.74	1.05	1.28
1900	6.99	7.98	9.14	10.28	11.58	13.20	14.79	17.94	0.12	0.78	1.10	1.35
2000	7.28	8.32	9.53	10.72	12.08	13.76	15.42	18.69	0.13	0.82	1.16	1.42
2100	7.57	8.65	9.91	11.15	12.56	14.31	16.03	19.42	0.13	0.86	1.22	1.50
2200	7.91	9.04	10.35	11.66	13.13	14.96	16.76	20.29	0.14	0.90	1.28	1.57
2300	8.19	9.36	10.72	12.07	13.60	15.49	17.35	20.98	0.15	0.94	1.34	1.64
2400	8.45	9.67	11.07	12.48	14.05	16.00	17.91	21.65	0.15	0.98	1.39	1.71
2500	8.78	10.05	11.51	12.96	14.60	16.62	18.61	22.48	0.16	1.02	1.45	1.78
2600	9.04	10.35	11.85	13.34	15.03	17.11	19.15	23.10	0.16	1.06	1.51	1.85
2700	9.29	10.64	12.18	13.72	15.45	17.58	19.66	23.70	0.17	1.10	1.57	1.92
2800	9.61	11.00	12.60	14.19	15.98	18.17	20.33	24.49	0.18	1.15	1.63	1.99
2850	9.73	11.14	12.76	14.37	16.18	18.39	20.57	24.77	0.18	1.17	1.65	2.03
2900	9.85	11.27	12.91	14.54	16.37	18.61	20.81	25.04	0.18	1.19	1.68	2.06
3000	10.08	11.54	13.22	14.88	16.75	19.03	21.27	25.56	0.19	1.23	1.74	2.14
3100	10.38	11.89	13.62	15.33	17.26	19.61	21.91	26.32	0.20	1.27	1.80	2.21
3200	10.60	12.14	13.91	15.65	17.61	20.00	22.33	26.79	0.20	1.31	1.86	2.28
3300	10.80	12.38	14.18	15.95	17.95	20.38	22.74	27.22	0.21	1.35	1.92	2.35
3400	11.09	12.71	14.57	16.39	18.44	20.93	23.35	27.93	0.22	1.39	1.97	2.42
3500	11.28	12.93	14.82	16.67	18.75	21.27	23.71	28.31	0.22	1.43	2.03	2.49
3600	11.46	13.14	15.07	16.94	19.05	21.59	24.05	28.65	0.23	1.47	2.09	2.56
3700	11.75	13.47	15.43	17.36	19.51	22.12	24.62	29.32	0.23	1.51	2.15	2.63
3800	11.92	13.66	15.65	17.60	19.78	22.40	24.91	29.60	0.24	1.55	2.21	2.71
3900	12.07	13.85	15.86	17.83	20.02	22.67	25.18	29.85	0.25	1.60	2.26	2.78
4000	12.34	14.15	16.21	18.23	20.46	23.16	25.73	30.47	0.25	1.64	2.32	2.85
4100	12.48	14.31	16.39	18.43	20.68	23.38	25.95	30.65	0.26	1.68	2.38	2.92
4200	12.61	14.46	16.56	18.62	20.87	23.58	26.14	30.79	0.27	1.72	2.44	2.99
4300	12.87	14.75	16.90	18.99	21.29	24.04	26.64	31.37	0.27	1.76	2.50	3.06
4400	12.98	14.88	17.05	19.15	21.45	24.20	26.78	31.44	0.28	1.80	2.56	3.13
4500	13.08	15.00	17.18	19.29	21.59	24.33	26.89	31.47	0.28	1.84	2.61	3.20
4600	13.32	15.28	17.49	19.63	21.98	24.76	27.36	31.67	0.29	1.88	2.67	3.28
4700	13.40	15.38	17.60	19.74	22.09	24.85	27.42	31.77	0.30	1.92	2.73	3.35
4800	13.47	15.46	17.68	19.83	22.17	24.91	27.45	31.84	0.30	1.96	2.79	3.42
4900	13.70	15.71	17.98	20.16	22.53	25.31	27.60	32.30	0.31	2.00	2.85	3.49
5000	13.75	15.77	18.04	20.22	22.58	25.33	27.85	32.13	0.32	2.05	2.90	3.56
5100	13.79	15.81	18.09	20.26	22.60	25.46	27.90		0.32	2.09	2.96	3.63
5200	14.00	16.06	18.36	20.56	22.93	25.53	28.17		0.33	2.13	3.02	3.70
5300	14.02	16.08	18.38	20.57	23.03	25.62	28.20		0.34	2.17	3.08	3.77
5400	14.02	16.09	18.38	20.70	23.11	25.72	28.23		0.34	2.21	3.14	3.84
5500	14.10	16.30	18.63	20.83	23.17	25.85	28.22		0.35	2.25	3.19	3.92
5600	14.20	16.35	18.65	20.88	23.22				0.35	2.29	3.25	3.99
5700	14.22	16.40	18.70	20.93	23.24				0.36	2.33	3.31	4.06
5800	14.34	16.45	18.77	20.95	23.25				0.37	2.37	3.37	4.13
5900	14.37	16.47	18.80	20.96	23.24				0.37	2.41	3.43	4.20
6000	14.38	16.49	18.80	20.95	22.20				0.38	2.45	3.48	4.27



### Section XPB/5VX: Power Rating P (kW) for Arc of Contact 180° (Table 32)

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	200	224	250	280	315	355	400	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	8.50	10.01	11.64	13.50	15.65	18.07	20.76	0.04	0.29	0.41	0.50
950	11.22	13.21	15.35	17.77	20.55	23.65	27.05	0.06	0.39	0.55	0.68
1450	16.55	19.44	22.49	25.93	29.80	34.02	38.48	0.09	0.59	0.84	1.03
2850	28.75	33.20	37.61	42.08	46.37			0.18	1.17	1.65	2.03
100	1.34	1.57	1.82	2.11	2.45	2.83	3.26	0.01	0.04	0.06	0.07
200	2.57	3.01	3.50	4.06	4.72	5.46	6.29	0.01	0.08	0.12	0.14
300	3.75	4.41	5.12	5.95	6.92	8.00	9.21	0.02	0.12	0.17	0.21
400	5.01	5.90	6.86	7.96	9.23	10.68	12.30	0.03	0.16	0.23	0.28
500	6.16	7.26	8.45	9.80	11.36	13.14	15.12	0.03	0.20	0.29	0.36
600	7.30	8.60	10.00	11.60	13.44	15.53	17.86	0.04	0.25	0.35	0.43
700	8.50	10.01	11.64	13.50	15.65	18.07	20.76	0.04	0.29	0.41	0.50
800	9.60	11.31	13.15	15.24	17.65	20.36	23.35	0.05	0.33	0.46	0.57
900	10.69	12.58	14.62	16.94	19.60	22.57	25.84	0.06	0.37	0.52	0.64
950	11.22	13.21	15.35	17.77	20.55	23.65	27.05	0.06	0.39	0.55	0.68
1000	11.85	13.95	16.20	18.76	21.70	24.99	28.59	0.06	0.41	0.58	0.71
1100	12.90	15.18	17.62	20.39	23.55	27.07	30.89	0.07	0.45	0.64	0.78
1200	13.93	16.39	19.00	21.96	25.33	29.06	33.07	0.08	0.49	0.70	0.85
1300	15.06	17.71	20.53	23.72	27.34	31.33	35.63	0.08	0.53	0.75	0.93
1400	16.06	18.87	21.85	25.21	29.00	33.15	37.57	0.09	0.57	0.81	1.00
1450	16.55	19.44	22.49	25.93	29.80	34.02	38.48	0.09	0.59	0.84	1.03
1500	17.03	19.99	23.13	26.64	30.58	34.86	39.35	0.09	0.61	0.87	1.07
1600	18.12	21.27	24.59	28.31	32.48	36.98	41.70	0.10	0.65	0.93	1.14
1700	19.05	22.34	25.79	29.64	33.92	38.48	43.20	0.11	0.70	0.99	1.21
1800	19.96	23.38	26.95	30.90	35.27	39.86	45.12	0.11	0.74	1.05	1.28
1900	21.01	24.60	28.35	32.49	37.03	41.82	46.61	0.12	0.78	1.10	1.35
2000	21.87	25.57	29.42	33.63	38.21	42.96	47.58	0.13	0.82	1.16	1.42
2100	22.70	26.50	30.43	34.70	39.28	44.52	49.16	0.13	0.86	1.22	1.50
2200	23.71	27.67	31.75	36.18	40.91	45.69	50.18	0.14	0.90	1.28	1.57
2300	24.49	28.53	32.67	37.11	41.79	46.40		0.15	0.94	1.34	1.64
2400	25.23	29.35	33.52	37.96	43.08	47.69		0.15	0.98	1.39	1.71
2500	26.20	30.45	34.76	39.32	44.02	48.49		0.16	1.02	1.45	1.78
2600	26.89	31.18	35.50	40.01	44.56			0.16	1.06	1.51	1.85
2700	27.54	31.87	36.18	41.08	45.62			0.17	1.10	1.57	1.92
2800	28.45	32.90	37.32	41.85	46.27			0.18	1.15	1.63	1.99
2850	28.75	33.20	37.61	42.08	46.37			0.18	1.17	1.65	2.03
2900	29.04	33.49	37.87	42.28	46.43			0.18	1.19	1.68	2.06
3000	29.58	34.03	38.35	43.17				0.19	1.23	1.74	2.14
3100	30.45	35.00	39.40					0.20	1.27	1.80	2.21
3200	30.93	35.44	39.74					0.20	1.31	1.86	2.28
3300	31.36	35.82	40.49					0.21	1.35	1.92	2.35
3400	32.16	36.72	40.94					0.22	1.39	1.97	2.42
3500	32.52	36.99	41.05					0.22	1.43	2.03	2.49
3600	32.83	37.20						0.23	1.47	2.09	2.56
3700	33.57	38.00						0.23	1.51	2.15	2.63
3800	33.80	38.30						0.24	1.55	2.21	2.71
3900	33.97	38.50						0.25	1.60	2.26	2.78
4000	34.65	38.84						0.25	1.64	2.32	2.85
4100	34.74							0.26	1.68	2.38	2.92
4200	34.77							0.27	1.72	2.44	2.99
4300	35.38							0.27	1.76	2.50	3.06
4400	35.54							0.28	1.80	2.56	3.13
4500	35.66							0.28	1.84	2.61	3.20





**Section XPC: Power Rating P (kW) for Arc of Contact 180° (Table 33)**

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio				
	180	200	224	250	280	315	335	1.01 to	1.06 > 1.05	1.27 1.26	For to 1.57	to 1.57
700	9.37	11.25	13.49	15.89	18.65	21.84	23.64	0.08	0.49	0.70	0.85	
950	12.53	15.04	18.01	21.21	24.84	29.02	31.37	0.10	0.67	0.95	1.16	
1450	18.48	22.12	26.43	30.97	36.06	41.77	44.91	0.16	1.02	1.44	1.77	
2850	31.78	37.48	43.75	49.78	55.61			0.31	2.00	2.84	3.48	
50	0.73	0.87	1.04	1.23	1.44	1.69	1.83	0.01	0.04	0.05	0.06	
100	1.42	1.70	2.03	2.41	2.82	3.31	3.59	0.01	0.07	0.10	0.12	
150	2.10	2.51	3.00	3.56	4.17	4.90	5.31	0.02	0.11	0.15	0.18	
200	2.81	3.36	4.03	4.74	5.57	6.53	7.08	0.02	0.14	0.20	0.24	
250	3.48	4.16	5.00	5.88	6.91	8.10	8.78	0.03	0.18	0.25	0.31	
300	4.14	4.96	5.95	7.00	8.23	9.65	10.47	0.03	0.21	0.30	0.37	
350	4.82	5.78	6.93	8.17	9.60	11.26	12.20	0.04	0.25	0.35	0.43	
400	5.47	6.57	7.87	9.28	10.91	12.79	13.86	0.04	0.28	0.40	0.49	
450	6.12	7.35	8.81	10.39	12.21	14.31	15.50	0.05	0.32	0.45	0.55	
500	6.80	8.16	9.78	11.53	13.55	15.88	17.21	0.05	0.35	0.50	0.61	
550	7.44	8.93	10.71	12.62	14.83	17.37	18.82	0.06	0.39	0.55	0.67	
600	8.08	9.70	11.62	13.70	16.09	18.85	20.42	0.07	0.42	0.60	0.73	
650	8.74	10.49	12.58	14.83	17.41	20.39	22.08	0.07	0.46	0.65	0.79	
700	9.37	11.25	13.49	15.89	18.65	21.84	23.64	0.08	0.49	0.70	0.85	
750	9.99	12.00	14.38	16.95	19.88	23.26	25.17	0.08	0.53	0.75	0.92	
800	10.66	12.79	15.33	18.06	21.18	24.78	26.81	0.09	0.56	0.80	0.98	
850	11.28	13.53	16.21	19.10	22.38	26.17	28.30	0.09	0.60	0.85	1.04	
900	11.89	14.26	17.09	20.12	23.57	27.54	29.77	0.10	0.63	0.90	1.10	
950	12.53	15.04	18.01	21.21	24.84	29.02	31.37	0.10	0.67	0.95	1.16	
1000	13.13	15.76	18.87	22.21	26.00	30.35	32.79	0.11	0.70	1.00	1.22	
1050	13.73	16.48	19.72	23.20	27.14	31.65	34.18	0.11	0.74	1.05	1.28	
1100	14.37	17.24	20.64	24.27	28.39	33.10	35.73	0.12	0.77	1.10	1.34	
1150	14.96	17.94	21.47	25.24	29.50	34.36	37.06	0.12	0.81	1.15	1.40	
1200	15.54	18.63	22.29	26.18	30.58	35.59	38.36	0.13	0.84	1.20	1.47	
1250	16.17	19.38	23.19	27.23	31.81	36.99	39.88	0.14	0.88	1.25	1.53	
1300	16.74	20.06	23.99	28.15	32.86	38.17	41.12	0.14	0.91	1.29	1.59	
1350	17.31	20.73	24.78	29.06	33.89	39.31	42.32	0.15	0.95	1.34	1.65	
1400	17.93	21.47	25.66	30.09	35.07	40.68	43.78	0.15	0.98	1.39	1.71	
1450	18.48	22.12	26.43	30.97	36.06	41.77	44.91	0.16	1.02	1.44	1.77	
1500	19.03	22.77	27.18	31.83	37.02	42.82	46.00	0.16	1.05	1.49	1.83	
1550	19.64	23.50	28.04	32.84	38.18	44.14	47.41	0.17	1.09	1.54	1.89	
1600	20.17	24.13	28.77	33.67	39.10	45.13	48.42	0.17	1.12	1.59	1.95	
1650	20.70	24.75	29.49	34.48	39.99	46.08	49.39	0.18	1.16	1.64	2.02	
1700	21.29	25.46	30.34	35.45	41.11	47.36	50.74	0.18	1.19	1.69	2.08	
1750	21.80	26.06	31.03	36.22	41.95	48.24	51.63	0.19	1.23	1.74	2.14	
1800	22.81	26.65	31.71	36.98	42.76	49.08	52.46	0.20	1.30	1.79	2.20	
1850	22.90	27.35	32.53	37.93	43.85	50.30	53.75	0.20	1.33	1.84	2.26	
1900	23.39	27.92	33.18	38.64	44.61	51.07	54.50	0.21	1.37	1.89	2.32	
1950	23.87	28.48	33.81	39.34	45.34	51.79	55.19	0.21	1.40	1.94	2.38	
2000	24.44	29.16	34.61	40.26	46.38	52.95	56.40	0.22	1.44	1.99	2.44	
2050	24.90	29.70	35.21	40.91	47.05	53.59	57.00	0.22	1.47	2.04	2.50	
2100	25.36	30.22	35.80	41.54	47.69	54.18	57.53	0.23	1.51	2.09	2.56	
2150	25.93	30.88	36.58	42.42	48.69	55.29	58.68	0.23	1.54	2.14	2.63	
2200	26.37	31.38	37.13	43.00	49.27	55.80	59.12	0.24	1.58	2.19	2.69	
2250	26.80	31.87	37.67	43.56	49.81	56.25	59.49	0.24	1.61	2.24	2.75	
2300	27.35	32.52	38.42	44.42	50.76	57.29	60.56	0.25	1.65	2.29	2.81	
2350	27.76	32.98	38.92	44.93	51.23	57.65	60.82	0.26	1.68	2.34	2.87	
2400	28.16	33.43	39.40	45.41	51.67	57.96	61.57	0.26	1.72	2.39	2.93	
2450	28.69	34.06	40.14	46.24	52.58	58.93	62.00	0.27	1.75	2.44	2.99	
2500	29.07	34.48	40.59	46.67	52.95	59.14	62.08	0.27	1.79	2.49	3.05	
2550	29.44	34.89	41.01	47.08	53.27	59.29		0.28	1.82	2.54	3.11	
2600	29.97	35.95	41.71	47.86	54.13	60.18		0.28	1.86	2.59	3.18	
2650	30.32	36.34	42.10	48.21	54.38	60.23		0.29	1.89	2.64	3.24	
2700	30.66	36.71	42.46	48.53	54.59	60.80		0.29	1.93	2.69	3.30	
2750	31.16	36.83	43.13	49.28	55.39	61.04		0.30	1.96	2.74	3.36	
2800	31.48	37.17	43.45	49.55	55.52			0.30	2.00	2.79	3.42	
2850	31.78	37.48	43.75	49.78	55.61			0.31	2.04	2.84	3.48	
2900	32.28	38.05	44.40	50.48	56.35			0.31	2.06	2.89	3.54	
2950	32.56	38.34	44.66	50.65	56.35			0.32	2.07	2.94	3.60	
3000	32.83	38.61	44.89	50.79	56.31			0.33	2.11	2.99	3.66	
3050	33.31	39.16	45.50	51.45				0.33	2.14	3.04	3.72	
3100	33.56	39.40	45.69	51.53				0.34	2.18	3.09	3.79	
3150	33.79	39.62	45.85	51.57				0.34	2.21	3.14	3.85	
3200	34.24	40.14	46.43	52.19				0.35	2.25	3.19	3.91	
3250	34.45	40.33	46.55	52.17				0.35	2.28	3.24	3.97	
3300	34.64	40.49	46.63					0.36	2.32	3.29	4.03	
3350	35.09	40.99	47.19					0.36	2.35	3.34	4.09	
3400	35.26	41.12	47.23					0.37	2.39	3.39	4.15	
3450	35.41	41.24	47.24					0.37	2.42	3.44	4.21	
3500	35.83	41.71	47.75					0.38	2.46	3.49	4.27	



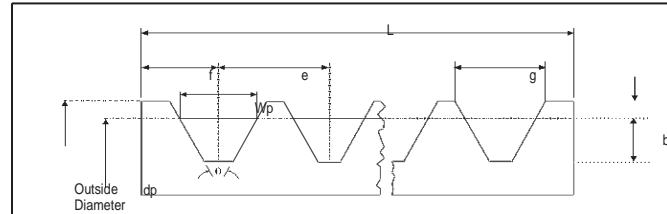


### Section XPC: Power Rating P (kW) for Arc of Contact 180° (Table 34)

n (rpm)	Pitch diameter of the smaller pulley (mm)							Additional Power (kW) per belt for speed ratio			
	355	400	450	500	560	630	710	1.01 to 1.05	1.06 to 1.26	1.27 to 1.57	For > 1.57
700	25.43	29.41	33.75	37.99	42.94	48.49	54.54	0.08	0.49	0.70	0.85
950	33.69	38.80	44.30	49.57	55.56	62.06	68.76	0.10	0.67	0.95	1.16
1450	47.95	54.42	60.95	66.69	72.42	78.01		0.16	1.02	1.44	1.77
2850								0.31	2.00	2.84	3.48
50	1.97	2.28	2.64	2.99	3.40	3.89	4.45	0.01	0.04	0.05	0.06
100	3.86	4.47	5.18	5.87	6.67	7.63	8.73	0.01	0.07	0.10	0.12
150	5.72	6.62	7.67	8.69	9.89	11.31	12.93	0.02	0.11	0.15	0.18
200	7.63	8.86	10.22	11.58	13.21	15.09	17.24	0.02	0.14	0.20	0.24
250	9.46	10.99	12.67	14.35	16.37	18.68	21.33	0.03	0.18	0.25	0.31
300	11.28	13.09	15.09	17.09	19.47	22.21	25.33	0.03	0.21	0.30	0.37
350	13.15	15.26	17.59	19.91	22.67	25.86	29.47	0.04	0.25	0.35	0.43
400	14.94	17.33	19.96	22.58	25.69	29.27	33.30	0.04	0.28	0.40	0.49
450	16.70	19.37	22.30	25.20	28.64	32.59	37.01	0.05	0.32	0.45	0.55
500	18.53	21.48	24.73	27.94	31.75	36.10	40.97	0.05	0.35	0.50	0.61
550	20.26	23.47	27.00	30.48	34.59	39.25	44.45	0.06	0.39	0.55	0.67
600	21.97	25.43	29.23	32.95	37.34	42.30	47.77	0.07	0.42	0.60	0.73
650	23.76	27.51	31.60	35.62	40.33	45.66	51.52	0.07	0.46	0.65	0.79
700	25.43	29.41	33.75	37.99	42.94	48.49	54.54	0.08	0.49	0.70	0.85
750	27.07	31.28	35.84	40.29	45.45	51.19	57.90	0.08	0.53	0.75	0.92
800	28.82	33.29	38.14	42.85	48.31	54.38	60.86	0.09	0.56	0.80	0.98
850	30.41	35.09	40.14	45.02	50.64	56.82	63.33	0.09	0.60	0.85	1.04
900	31.97	36.84	42.08	47.11	52.85	59.63	66.31	0.10	0.63	0.90	1.10
950	33.69	38.80	44.30	49.57	55.56	62.06	68.76	0.10	0.67	0.95	1.16
1000	35.19	40.47	46.13	51.50	57.56	64.04	70.56	0.11	0.70	1.00	1.22
1050	36.66	42.10	47.88	53.34	59.93	66.53	73.09	0.11	0.74	1.05	1.28
1100	38.32	43.99	50.00	55.67	61.97	68.55	74.95	0.12	0.77	1.10	1.34
1150	39.72	45.52	51.63	57.33	63.59	69.99	75.99	0.12	0.81	1.15	1.40
1200	41.09	47.00	53.17	58.89	65.70	71.21	78.00	0.13	0.84	1.20	1.47
1250	42.70	48.82	55.19	61.07	67.39	73.66	79.17	0.14	0.88	1.25	1.53
1300	43.99	50.19	56.59	62.42	68.58	74.49		0.14	0.91	1.29	1.59
1350	45.24	51.50	57.90	64.24	70.41	76.21		0.15	0.95	1.34	1.65
1400	46.79	53.23	59.80	65.68	71.72	77.21		0.15	0.98	1.39	1.71
1450	47.95	54.42	60.95	66.69	72.42	78.01		0.16	1.02	1.44	1.77
1500	49.07	55.55	62.52	68.28	72.94			0.16	1.05	1.49	1.83
1550	50.55	57.19	63.77	69.42				0.17	1.09	1.54	1.89
1600	51.57	58.19	64.64	70.04				0.17	1.12	1.59	1.95
1650	52.55	59.10	66.03	71.38				0.18	1.16	1.64	2.02
1700	53.97	60.65	67.03	72.19				0.18	1.19	1.69	2.08
1750	54.84	61.43	67.59	72.39				0.19	1.23	1.74	2.14
1800	55.66	62.12	68.78					0.20	1.30	1.79	2.20
1850	57.00	63.57	69.52					0.20	1.33	1.84	2.26
1900	57.71	64.11	69.75					0.21	1.37	1.89	2.32
1950	58.35	65.18	70.72					0.21	1.40	1.94	2.38
2000	59.61	65.89	71.17					0.22	1.44	1.99	2.44
2050	60.14	66.18						0.22	1.47	2.04	2.50
2100	61.11	67.08						0.23	1.51	2.09	2.56
2150	61.78	67.57						0.23	1.54	2.14	2.63
2200	62.12	67.59						0.24	1.58	2.19	2.69
2250	62.96	68.31						0.24	1.61	2.24	2.75

## Standard V-Grooved Pulleys

The maximum distance 'L' between the outside edges of the pulley, i.e. the face width is equal to  $(x-1)e + 2f$  (where x is the number of grooves).



## Multi Grooved Pulley Cross Section

Cross Section Symbol	Groove Pitch Width (Wp)	Minimum Distance From Outside Diameter To Pitch Diameter (b) mm	Minimum Groove Depth Below Pitch Diameter (Note 4) (h) mm	Centre to Centre of Groove (see Note 2) (e) mm	Edge of Pulley to 1st Groove Centre (see Note 3) (f) mm	Pitch Diameter (dp) mm	Groove Angle ( ) mm	Minimum Top Width of Groove (g) mm
Z, SPZ, ZX, XPZ	8.5	2.0	9.0	12 ± 0.3	8.0 ± 1.0	Up to 80 Over 80	34 ± 0.5 38 ± 0.5	9.7 9.9
A, SPA, AX, XPA	11.0	2.75	11.0	15 ± 0.3	10.0 + 2.0 - 1.0	Up to 118 Over 118	34 ± 0.5 38 ± 0.5	12.7 12.9
B, SPB, BX, XPB	14.0	3.5	14.0	19 ± 0.4	12.5 + 2.0 - 1.0	Up to 190 Over 190	34 ± 0.5 38 ± 0.5	16.1 16.4
C, SPC, CX, XPC	19.0	4.8	19.0	25.5 ± 0.5	17.0 + 2.0 - 1.0	Up to 315 Over 315	34 ± 0.5 38 ± 0.5	21.9 22.3
D	27.0	8.1	19.9	37 ± 0.6	24.0 + 3.0 - 1.0	Up to 475 475 & over	36 ± 0.5 38 ± 0.5	32.3 32.6
E	32.0	9.6	23.4	44.5 ± 0.7	29.0 + 4.0 - 1.0	Up to 610 Over 610	36 ± 0.5 38 ± 0.5	38.8 39.3
3V, 3VX		0.64	8.0	10.3 ± 0.4	8.7 + 2.0 - 0.8	Up to 88 88 to 152 152 to 305 above 305	36 ± 0.5 38 ± 0.5 40 ± 0.5 42 ± 0.5	8.9
5V, 5VX		1.27	13.7	17.5 ± 0.4	12.7 + 3.0 - 1.0	Up to 254 254 to 406 above 406	38 ± 0.5 40 ± 0.5 42 ± 0.5	15.2
8V, 8VX		2.54	22.6	28.6 ± 0.4	19.0 + 6.0 - 1.5	Up to 406 406 to 569	38 ± 0.5 40 ± 0.5	25.4

### Note:

- 1) See figure for symbol.
- 2) The tolerance on dimension apply to the distance between the centre of any two grooves whether adjacent or not.
- 3) It is recommended that the tolerance on dimension should be taken into account in the alignment of the pulleys.
- 4) When the pulleys are to be used for V-Belts Z, A, B, C only, dimension 'h' may be reduced by 20 %.
- 5) Only above dimension pulleys should be used for Banded belts except for 'A' section, where  $e = 15.9$  mm. The tolerance for side wobble and for run out (eccentricity), in mm per millimetre of pulley diameter shall be as follows:
  - Pulley diameter < 500 mm ± 0.001 mm
  - 500 mm < Pulley diameter < 1500 mm ± 0.0015 mm
  - Pulley diameter > 1500 mm ± 0.002 mm

(Table 35)

Deflection Force Required for Measuring Tension in V-Belt Drives								
Cross Section	Smaller Pulley Diameter (mm)	Condition 1 Deflection @ 1.0% of span, if span length is more than 1000 mm			Condition 2 Deflection @ 1.5% of span, if span length is less than 1000 mm			
		Required deflection force F at the centre of span for belt speed			Required deflection force F at the centre of span for belt speed			
		0 m/s to 10 m/s Range (N)	10 m/s to 20 m/s Range (N)	20 m/s to 30 m/s Range (N)	0 m/s to 10 m/s Range (N)	10 m/s to 20 m/s Range (N)	20 m/s to 30 m/s Range (N)	
<b>CLASSICAL BELTS</b>								
<b>BELTS</b>	<b>Z</b>	50-100 100 & above	4-6 6-9	4-5 6-7	3-4 5-6	5-8 8-12	5-7 8-9	4-5 7-8
	<b>A</b>	71-140 140 & above	8-12 12-18	7-10 10-14	6-8 8-12	11-16 16-24	9-13 13-19	8-11 11-16
	<b>B</b>	112-200 200 & above	16-24 24-35	13-19 19-29	10-16 16-24	21-32 32-47	17-25 25-39	13-21 21-32
	<b>C</b>	180-400 400 & above	31-46 46-70	26-38 38-58	20-31 31-46	41-61 61-93	35-51 51-77	27-41 41-61
	<b>D</b>	315-600 600 & above	62-90 90-134	52-76 76-115	42-62 62-90	83-120 120-179	69-101 101-153	56-83 83-120
	<b>E</b>	450-915 915 & above	108-160 160-240	90-137 137-205	73-109 109-160	144-213 213-320	120-183 183-273	97-145 145-213
<b>WEDGE/NARROW BELTS</b>								
<b>WRAPPED</b>	<b>SPZ / 3V</b>	63-95 95 & above	8-12 12-17	7-10 10-16	6-9 9-14	11-16 16-23	9-13 13-21	8-12 12-19
	<b>SPA</b>	90-140 140 & above	14-20 20-31	12-17 17-26	10-14 14-22	19-27 27-41	16-23 23-35	13-19 19-29
	<b>SPB / 5V</b>	140-265 265 &	25-36 36-46	20-32 32-41	18-27 27-37	33-48 48-61	27-43 43-55	24-36 36-49
	<b>SPC</b>	224-355 355 &	46-66 66-85	38-58 58-76	32-52 52-70	61-88 88-113	51-77 77-101	43-69 69-93
	<b>8V</b>	335-520 520 &	81-107 107-167	68-90 90-140	56-73 73-113	108-143 143-223	91-120 120-187	75-97 97-151

<b>CLASSICAL V-BELTS</b>								
<b>CUTED V-BELT</b>	<b>ZX</b>	40-100 100 & above	5-7 7-10	5-6 7-8	3-5 6-7	6-9 9-14	6-8 9-11	5-6 8-9
	<b>AX</b>	63-140 140 & above	9-14 14-21	8-12 12-16	7-9 9-14	12-18 18-28	11-15 15-21	9-12 12-18
	<b>BX</b>	90-200 200 & above	18-28 28-40	15-22 22-33	12-18 18-28	25-37 37-54	20-29 29-44	15-25 25-37
	<b>CX</b>	140-400 400 & above	36-53 53-81	30-44 44-67	23-36 36-53	48-71 71-107	40-58 58-89	31-48 48-71
	<b>WEDGE / NARROW V-BELTS</b>							
<b>XPZ / 3VX</b>	56-95 95 & above	9-14 14-20	8-12 12-18	7-10 10-16	12-18 18-26	11-15 15-25	9-14 14-21	
<b>XPA</b>	71-140 140 & above	16-23 23-36	14-20 20-30	12-16 16-25	21-31 31-48	18-26 26-40	15-21 21-34	
<b>XPB / 5VX</b>	112-265 265 & above	29-41 41-53	23-37 37-47	21-31 31-43	38-55 55-71	31-49 49-63	28-41 41-57	
<b>XPC</b>	180-355 355 & above	53-76 76-98	44-67 67-87	37-60 60-81	71-101 101-130	58-89 89-117	49-80 80-107	



**Disclaimer:** Information's, written and verbal are provided by HIC, relative to its products which it determines to be reliable & no liabilities of whatsoever nature in regards to its uses. The purchaser of UNIVERSAL brand industrial products should determine for itself the suitability of such products.



## Selection of V Belt

### Motor Drive Shaft, Fan Driven Shaft Power Transmission HIC Belts Guide \*

Follow simple steps for as to How to select v-belts to transmit power to machinery driven shaft:-

**Step 1 of HIC Universal v-belt Selection:**

**Speed Ratio measurement** - RPM of driving faster shaft divided By RPM of driven slower shaft shall give Speed ratio. Also, can be calculated by dividing Pitch diameter of larger pulley By PCD of smaller pulley.

**Step 2 of HIC Universal v-belt Selection:**

**Design Power calculation** - Correct H.P. for Service Factor or design power is calculated multiplying motor drive power and service factor for the driven duty class from HIC Universal Technical Data Sheet tables for selection purpose.

**Step 3 of HIC Universal v-belt cross section Selection:**

**Belt Cross Section choice** - Select appropriate belt section profile either wedge or narrow or classical considering design power referring diagrams in HIC Universal Technical Data Sheet.

Banded belts be selected for drives with pulsating or shock loads. Select 2 bands of 3 for replacing 6 numbers v belts, 2 bands of 4 for replacing 8 belts, that is, use two or more bands where more than 5 belts are required.

**Step 4 of HIC Universal v-belt cross section Selection:**

**Pulley or Sheave Diameter choice** - Select right and higher size preferably greater than minimum recommended belt pulley diameter for successful power transmission at given speed as per HIC Universal Technical Data Sheet Selection. For quick reference, minimum allowable OD or PCD for v-belt cross section being:-

A (Cross Section) – 71 mm ; B – 112 mm ; C – 190 mm ; D – 300 mm ; E – 500 mm ;

AX (Cross Section) – 63 mm ; BX – 90 mm ; CX – 140mm ;

SPZ (Cross Section) – 63 mm ; SPA – 90 mm ; SPB – 140 mm ; SPC – 224 mm ;

3V (Cross Section) – 63 mm ; 5V – 140 mm ; 8V – 315 mm ;

XPZ (Cross Section) – 56 mm ; XPA – 71 mm ; XPB – 112 mm ; XPC – 190 mm

Banded belts groove spacing profile selection must be OK as per ISO standards or RMA standards, and, need to be specified while ordering.



**Step 5** of HIC Universal v-belt cross section Selection:

**Pitch Length of Belt measurement** - Corresponding to given pulley diameters and centre distances, calculate pitch length of v-belts using following formula while selection:-

$$L \text{ ( in mm )} = 2C + 1.57 ( D + d ) + \frac{( D - d )^2}{4C}$$

Where, C = Centre distance, mm

D = pitch diameter of larger pulley, mm

d = pitch diameter of smaller pulley, mm

**Step 6** of HIC Universal v-belt Selection:

**Centre Distance calculation** – Actual centre distance based on selected v belt length be calculated using following formula:-

$$C = A + \sqrt{A^2 - B}$$

Where,  $A = \frac{L}{4} - 0.3925 ( D + d )$

$$B = \frac{( D - d )^2}{8}$$

**Step 7** of HIC Universal v-belt Selection:

**Power Rating of Belt computation** – Actual belt power rating obtained equals Belt basic power rating x Correction factor for belt length x Arc of contact correction factors.

Horse Power, H.P. = Kilowatts (kw) x 1.341

**Step 8** of HIC Universal v-belt Selection:

**Number of Belts Required to run the drive estimation** – Design power be **divided** by power rating of selected belt will give the result of number of belts required, to be rounded off up to first integer. Installation allowance of decreasing centre distance to be able to fit the belt and take-up allowances so as to provide tension to the belt must be kept in mind while selection.

## Purchase Enquiry Info

**Wrapped or Raw Edge or Cogged Rubber V Belt Min. *Information to Be Sent***

(Email at: [belts@universaldelhi.org](mailto:belts@universaldelhi.org) ; [universal@hic-india.com](mailto:universal@hic-india.com) or Call +91 11 2874 5120)

HIC ships v banded cogged industrial belts conforming IS 2494 tailor-made to buyer's order specifications to different countries including India. Please send following information in English to quote prices:

1. V-belt **Section** size or Top Width and belt Thickness mm
2. **Length-Li**, inside length or **La**, outside length inches or **Lp**, pitch length mm
3. **Quantity**- numbers



## Shipment Handling and Delivery Time

Bulk quantity orders are packed in sea-worthy Jute Bags or Cartons made up of corrugated material shipped via sea in less than container loads (LCL) /FCL or by air. Sea freight (BL) or Air freight (AWB) charges payable at destination.

Small orders are shipped overseas via **DHL** or **FedEx** or **Aramex courier**, for which your Authorization Account number be sent to be booked on "Freight To Collect" basis, together with complete acceptable physical address and phone or mobile number.

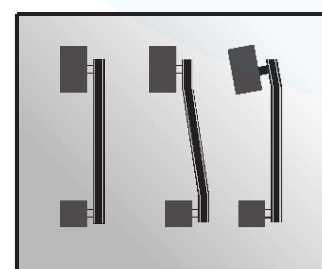
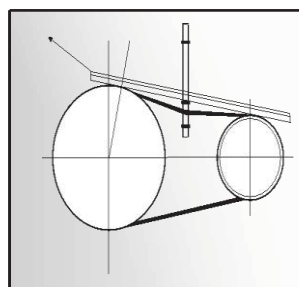
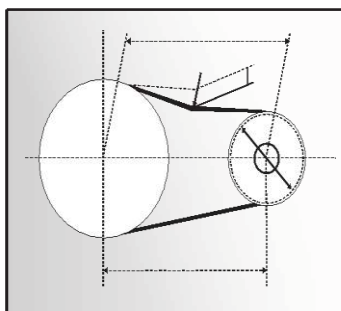
**Domestic orders** are dispatched to any destination in **India** by Road Transport, Gati or TCI or ARC or Jaipur Golden on **COD** basis.

**Shipping Time**, generally within 4-6 weeks or as stipulated in quote and accepted order.

## Installation Method of V Belts

### Effective Power Transmission, HIC Rev Up Motor Power Tips

- Alignment of pulley sheaves must be ok and grooves burrs-free else drive v-belts shall fail pre-maturely.
- Pulley Size must be *OK* & grooves not worn out or sharp edged else slippage or breakage problem can happen. Suggest to *use* UNIVERSAL *Quick Fit Taper Lock* Bush Pulley for no problem drive and *min.* pitch *Diameter* (mm) 95 for A, 145 for B, 225 for C, 350 for D, 63 for SPZ, 90 for SPA, 160 for SPB & 224 for SPC section.
- Excessive Belt Stretch can be avoided by keeping pulley *Alignment OK* using string that will also prevent belts turning over in groove. Ensure drive is not under-rated.
- Complete New Set of V-belts be put *properly seated* in the pulley by Hand only moving motor towards the driven unit & not with screw drivers or other levers else belt cords may get damaged. *Mixing of new & used* belts to make a set must *not be done*.
- Section Selection roughly may be done choosing A/SPA *up to 3 HP* motor *speed*, SPZ up to *7.5HP*, B/SPB up to *10HP*, C/SPC up to *40HP*, D *above 40HP*, though *design drive* factors be considered.
- Tensioning must be *OK* so that V belts feel alive by applying force to *cause deflection* of 16mm per 1mtr of span at centre distance.
- Ventilation must be kept *proper* and never use belt dressing.
- Wedge SPZ, SPA, SPB, SPC section belts have 2 times *more power* transmitting *capacity* than classical A B C D E belts.
- Flat Belts are useful for running at *high speeds* up to 100mtr/sec.
- Size Variation (+2%, -1% Length; +, -1mm section Dimension) as per mfg tolerance should be acceptable.



Right      Incorrect



## Organization Structure

Industrial supply manufacturing company having dedicated team of 63 skilled work forces includes Rubber Technologist, Chemists, Engineers and Skilled Labor's, Management Experts viz., Plant Manager, Quality Control Inspector, Lab In charge and I.T specialists. Majority of operations are automatic.

## Production Capacity of Machinery Drive Products

	Approximate Qty. per annum
<p>1. Classical V Belts, Cogged Belts, Wedge Belt, Poly v Belt, Banded Belt, Harvester Combine Belt , Narrow Section Belt</p> <p><a href="http://www.rubber-steel-industrial-products.com/v-belts-manufacturer/index.htm">http://www.rubber-steel-industrial-products.com/v-belts-manufacturer/index.htm</a></p>	<b>2,50,000 nos.</b>
<p>2. Nylon Sandwich Belt, Leather Transmission Belting, Flat Rubber Transmission Belt</p> <p><a href="http://www.rubber-steel-industrial-products.com/rubber-belting-manufacturer/index.htm">http://www.rubber-steel-industrial-products.com/rubber-belting-manufacturer/index.htm</a></p>	<b>60,000 mts.</b>
<p>3. V Belt Pulley Sheaves, Timing Pulley, Taper Bush Pulley, Weld on Hubs</p> <p><a href="http://www.rubber-steel-industrial-products.com/belt-pulley-manufacturer/index.htm">http://www.rubber-steel-industrial-products.com/belt-pulley-manufacturer/index.htm</a></p>	<b>5,000 nos.</b>
<p>4. Spider Jaw Couplings, Rubber Tyre Coupling, Flexible Gear Coupling, Pin Bush Coupling Taper Bush System</p> <p><a href="http://www.rubber-steel-industrial-products.com/motor-coupling-manufacturer/index.htm">http://www.rubber-steel-industrial-products.com/motor-coupling-manufacturer/index.htm</a>  <a href="http://www.rubber-steel-industrial-products.com/shaft-coupling-manufacturer/index.htm">http://www.rubber-steel-industrial-products.com/shaft-coupling-manufacturer/index.htm</a>  <a href="http://www.rubber-steel-industrial-products.com/gear-coupling-manufacturer/index.htm">http://www.rubber-steel-industrial-products.com/gear-coupling-manufacturer/index.htm</a>  <a href="http://www.rubber-steel-industrial-products.com/bush-coupling-manufacturer/index.htm">http://www.rubber-steel-industrial-products.com/bush-coupling-manufacturer/index.htm</a></p>	<b>75,000 nos.</b>

Visakhapatnam Steel Plant (721354), NALCO (3072),  
 Subhash Projects (EM-10,18), Heavy Engg. Corp.(6003),  
 Bokaro Steel (72621), Salem Steel(000155),  
 Gujarat State Road(000118), ACC (944),  
 Army Base(512/ABW-LP/76), NTPC(H8267), etc.

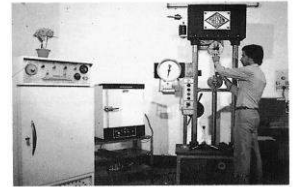
\* Price List & terms on specific enquiry please.

## Quality Assurance Plan

### *HIC Power Drive V Belts Testing Parameters*

Quality **power drive v belts** manufactured in ISO 9001 certified HIC factories in India with Production Supervisors conducting routine pre-manufacture checks and post-manufacture tests as to:

- 100% **Physical checks** with respect to dimensions,
- 100% **Chemical checks** w.r.t. MOC,
- 20% **Random physical tests**



Tensile Strength & Elongation  
Testing Machine

## Test Certificate & Warranty

### **HIC Manufacturer's Lab TC of V Belt Supplied**

Quality Industrial Power Drive v belt conforming **IS 2494**, **BS 3790**, DIN 7753, IS 11038, DIN 2215, RMA IP 22, **ISO 4184**, ISO 5290 FRAS-EN 853 2ST, **ISO 1436** - HIC manufacturers modern in-house Lab Test Certificate issued with respect to Nominal top width x thickness, Angle degrees, nominal inside length, average Tensile Strength in N, Elongation %, besides other tests.

**Warranty** of one year against any manufacturing defects in HIC manufactured **Power Drive vee belt** product.

**Third Party Inspections** by DNV, RITES, EIL, QSS, SGS, also arranged in HIC's **belts factory** or by Government Approved Laboratory, Test Certificate issue fee charges directly reimbursed by buyers.

**Legalization** by Embassy or Chambers of Commerce **Attestation** of export shipping Invoice and other documents also provided towards export of Indian Origin power drive rubber products if demanded on actual fee remitted by importers directly to HIC and or cost added up in Invoice.

## Manufacturing & Testing Equipments



**Belt Press**

Exporters-Importers of industrial products having latest manufacturing machinery and advanced testing equipments.

## Power Transmission Products Production Machinery



**Belting Calander**

Banbury Rubber Mixer, Dispersion Kneader(s), Mixing Mill(s) 2 Roll, Calander Machine (3Roll), Jointing Machine, Rubber Bale Cutter, Hydraulic Presses (2 daylight), Hydraulic Press (single daylight), Hydraulic Finishing Press, Belt Endlessing M.C.(Vulcaniser), Sundry Machines viz. Lathes, Shaper, Generator sets, Hydraulic Jacks, etc.

## Rubber Products Quality Testing Apparatus as per ISO :



**Manufacturing Hydraulic Press**

B.O.D. Incubator (seasoning chamber), Hot Air Ageing Oven, Physical Balance, Tensile Testing Machines, Abrasion Tester(as per DIN), Drum Friction Tester (as per Canadian stds), Scott Flex Tester (as per railways), Dumbbell Dies, Yarn Testing Machine, etc. **Calibrated** periodically. Indigenous technology with latest technical Indian knows how, however, no collaboration made so far.

## Quality Control

It is in between process checks that are strongly checked & lodged in register to ensure finished rubber product meeting quality standards.

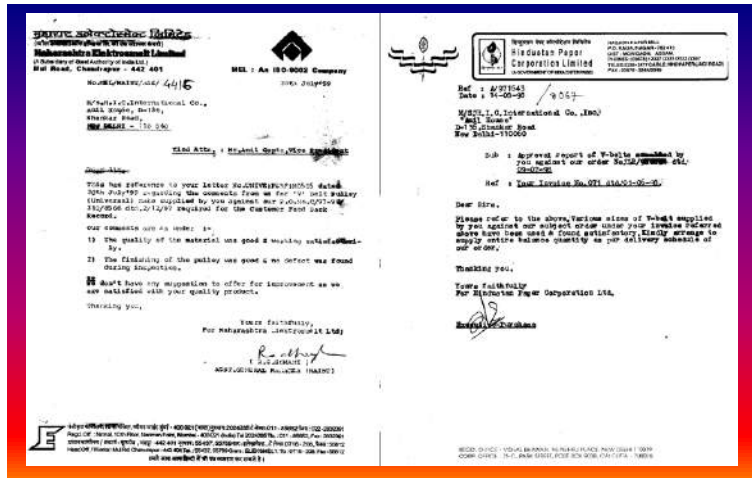
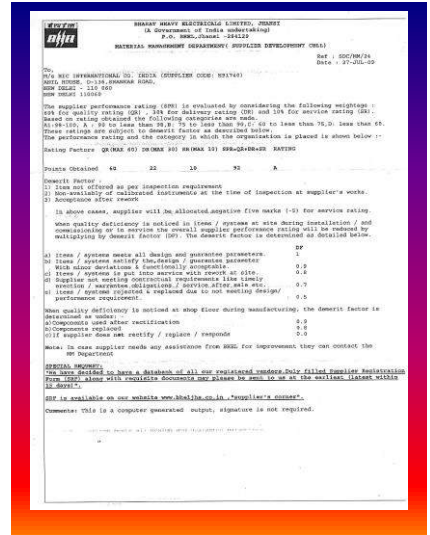
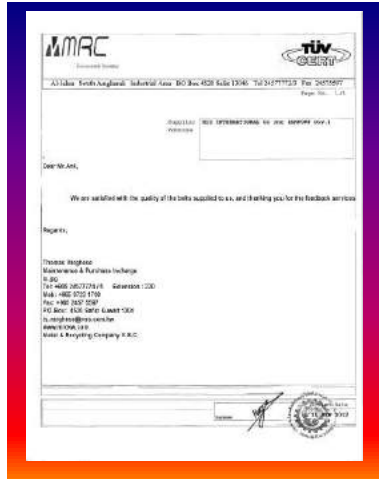
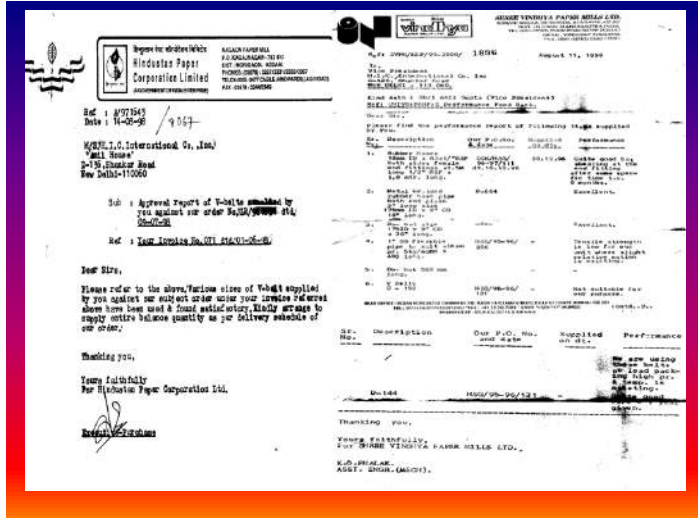
Test Certificate (TC) of our Lab, wherever, applicable, is **forwarded** along with the supply.



# Performance Certificates



Export Excellence Award during Feb 1997



# Many more certificates available as feedbacks are constantly monitored for providing highest customer's satisfaction.

## Total Quality Management Principles Followed

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**Contact Person:** Mr Anil Gupta - President, Ms Priyum - Exports Head



*HIC India Headquarters*

