

Quad-Power® III  
Quad-Power® III



A Tomkins Company

QUAD-POWER®



Static Conductive  
Oil & Heat Resistant  
Static Conductive  
Oil & Heat Resistant  
Static Conductive  
Compliant  
ATEX & ROHS  
Compliant  
ATEX & ROHS  
Compliant  
MATCH  
UNISET  
MATCH  
UNISET  
MATCH  
UNISET  
MATCH  
UNISET  
MATCH  
UNISET

# QUAD-POWER® III

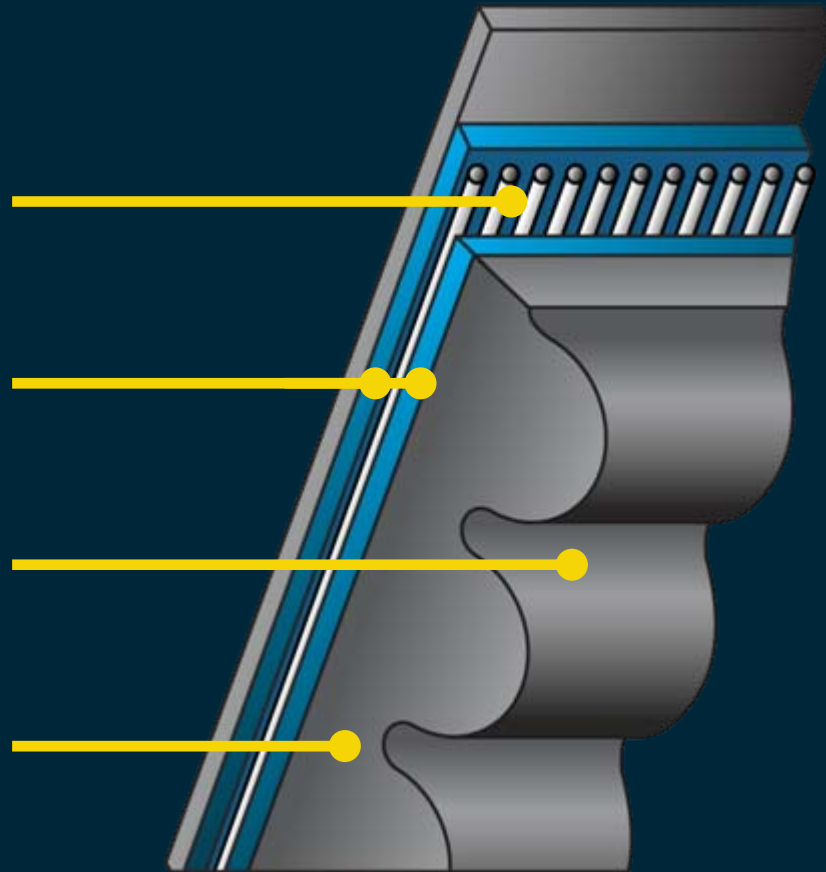
*Gates new generation raw edge V-belts*

high-strength low-elongation  
polyester tensile cords

embedding adhesion layer

special notch profile

fibre-reinforced rubber  
compound



QUAD-POWER® III

# QUAD-POWER® III

*Gates new generation raw edge V-belts*

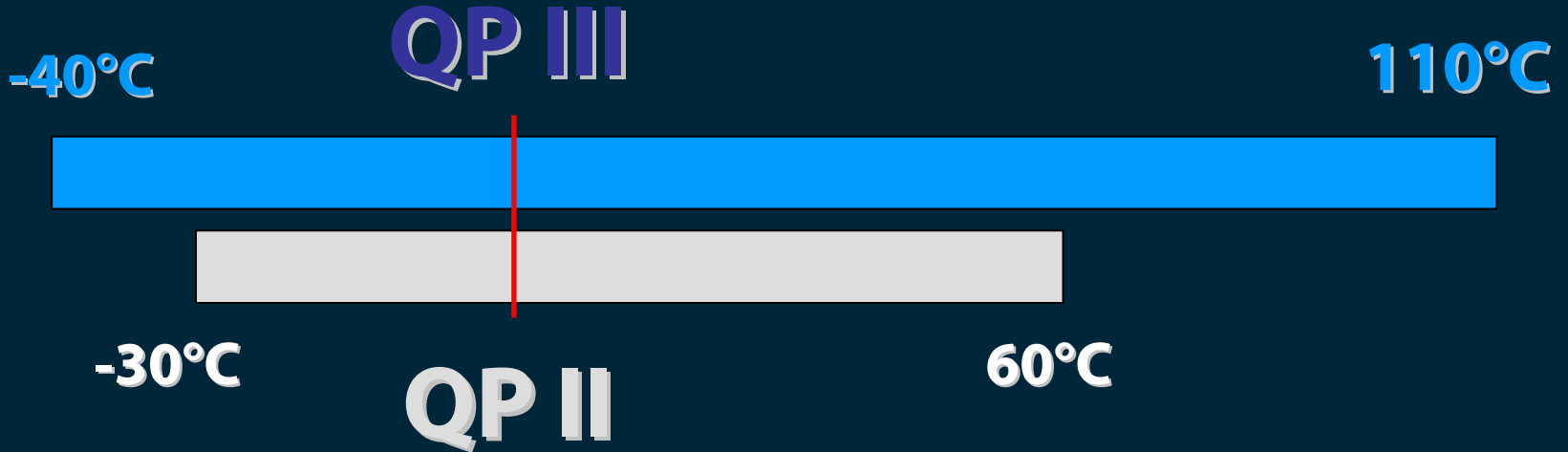
## 3 most important changes of QP III as to QP II

- Extended temperature range
- Increased performance
- Running noise reduction

# QUAD-POWER® III

*Gates new generation raw edge V-belts*

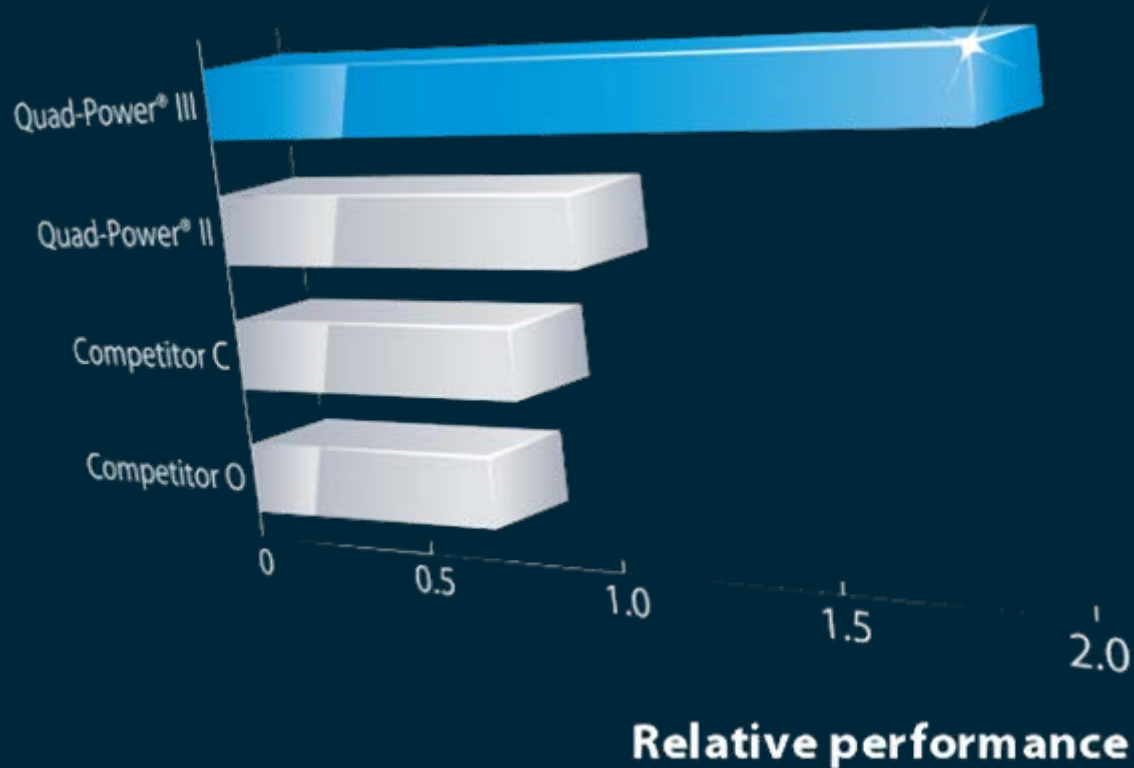
Extended temperature range



# QUAD-POWER® III

***Gates new generation raw edge V-belts***

**Increased performance**



QUAD-POWER® III



# QUAD-POWER® III

***Gates new generation raw edge V-belts***

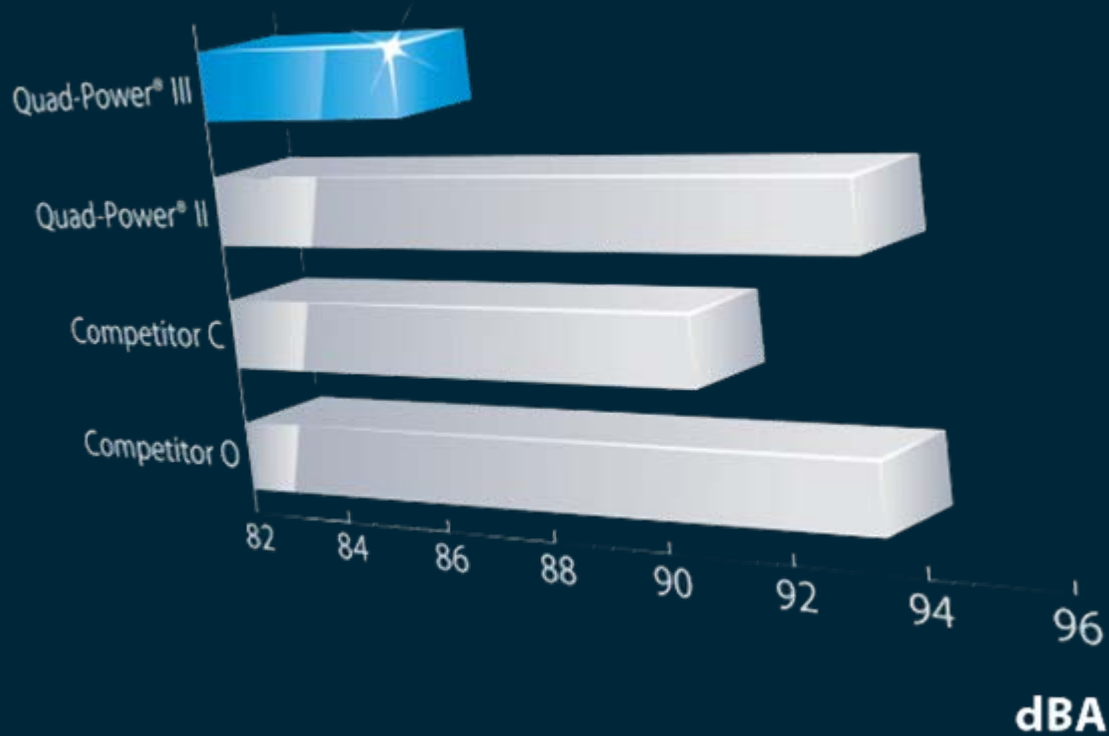
e.g. some of our test equipment



# QUAD-POWER® III

***Gates new generation raw edge V-belts***

**Running noise reduction**



# QUAD-POWER® III

## *Gates new generation raw edge V-belts*

- Extended temperature range: from -40°C up to +110°C.
- Extraordinary power capacity: at least 15% higher power ratings than Gates Quad-Power® II belts.
- Substantially reduced noise level.
- Space savings and design freedom.
- Minimal belt tension loss.
- Long and trouble-free service life reducing replacement and maintenance costs.
- Maintenance free for 10.000 hours



# QUAD-POWER® III

## *Gates new generation raw edge V-belts*

- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 94/9/EC-ATEX.
- REACH and RoHS compliant.
- High dimensional precision. All sizes meet and exceed Gates UNISER tolerances and can be installed without matching.
- Smooth-running operation.
- Environment-friendly: halogen-free (e.g. chlorine-free).
- Significantly better resistance to static ageing.

Taken together, these benefits result in a top quality, high-performance, low-maintenance V-belt drive that reduces the material and labor cost of maintenance, while at the same time improving uptime and productivity.

# QUAD-POWER® III

## *Gates new generation raw edge V-belts*

- Improved profiling is e.g. measured by reduced center distance variation
- Result = less vibrations = less wear of all drive components



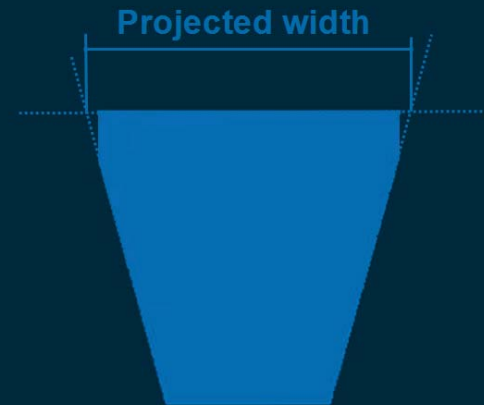
Profile projector statistically verifies profile dimensional accuracy

# QUAD-POWER® III

## Gates new generation raw edge V-belts

### Sections and nominal dimensions \*

	Width (mm)	Height (mm)
XPZ/3VX	10	8
XPA	13	10
XPB/5VX	16	13
XPC	22	18



\* As described in the ISO standards, nominal dimensions define the pulleys for which these belts are suitable. They do not represent the exact belt size. These are determined by the belt construction and are Gates proprietary.

# QUAD-POWER® III

## Gates new generation raw edge V-belts

### Belt range

- all items available from stock
- new lengths added
- few old items combined

XPZ/3VX		
ISO description	Datum length mm	RMA description
XPZ600	600	3VX238
XPZ630	630	3VX250
XPZ637	637	3VX252
XPZ662	662	3VX262
XPZ670	670	3VX265
XPZ687	687	3VX272
XPZ710	710	3VX280
XPZ722	722	3VX286
XPZ730	730	3VX289
XPZ737	737	3VX292
XPZ750	750	3VX297
XPZ763	763	3VX300
XPZ772	772	3VX305
XPZ787	787	3VX311
XPZ800	800	3VX315
XPZ812	812	3VX321
XPZ837	837	3VX331
XPZ850	850	3VX335
XPZ862	862	3VX341
XPZ875	875	3VX346
XPZ887	887	3VX350
XPZ900	900	3VX355
XPZ912	912	3VX360
XPZ925	925	3VX366
XPZ937	937	3VX370
XPZ950	950	3VX375
XPZ962	962	3VX380
XPZ975	975	3VX385
XPZ980	980	3VX387
XPZ987	987	3VX390
XPZ1000	1000	3VX395
XPZ1012	1012	3VX400
XPZ1030	1030	3VX407
XPZ1037	1037	3VX410
XPZ1060	1060	3VX419
XPZ1060	1060	3VX425
XPZ1087	1087	3VX429
XPZ1112	1112	3VX439
XPZ1120	1120	3VX442
XPZ1140	1140	3VX450
XPZ1150	1150	3VX454
XPZ1162	1162	3VX459
XPZ1180	1180	3VX464
XPZ1187	1187	3VX469
XPZ1202	1202	3VX475
XPZ1212	1212	3VX479
XPZ1237	1237	3VX487
XPZ1250	1250	3VX494
XPZ1262	1262	3VX498
XPZ1270	1270	3VX500
XPZ1280	1280	3VX505
XPZ1287	1287	3VX508
XPZ1312	1312	3VX518
XPZ1320	1320	3VX520
XPZ1337	1337	3VX530
XPZ1362	1362	3VX538
XPZ1400	1400	3VX553
XPZ1412	1412	3VX557

XPZ/3VX		
ISO description	Datum length mm	RMA description
XPZ1420	1420	3VX560
XPZ1437	1437	3VX567
XPZ1450	1450	3VX572
XPZ1487	1487	3VX587
XPZ1500	1500	3VX592
XPZ1512	1512	3VX597
XPZ1520	1520	3VX600
XPZ1537	1537	3VX607
XPZ1550	1550	3VX612
XPZ1587	1587	3VX626
XPZ1600	1600	3VX630
XPZ1650	1650	3VX650
XPZ1687	1687	3VX666
XPZ1700	1700	3VX670
XPZ1750	1750	3VX690
XPZ1800	1800	3VX710
XPZ1850	1850	3VX730
XPZ1900	1900	3VX750
XPZ1950	1950	3VX771
XPZ2000	2000	3VX790
XPZ2030	2030	3VX800
XPZ2120	2120	3VX836
XPZ2160	2160	3VX850
XPZ2240	2240	3VX883
XPZ2380	2380	3VX900
XPZ2380	2380	3VX931
XPZ2410	2410	3VX950
XPZ2500	2500	3VX986
XPZ2540	2540	3VX1000
XPZ2650	2650	3VX1045
XPZ2690	2690	3VX1060
XPZ2800	2800	3VX1104
XPZ2840	2840	3VX1120
XPZ3000	3000	3VX1180
XPZ3150	3150	3VX1242
XPZ3350	3350	3VX1320
XPZ3550	3550	3VX1400

XPA		
ISO description	Datum length mm	
XPA690	690	
XPA732	732	
XPA747	747	
XPA757	757	
XPA782	782	
XPA800	800	
XPA832	832	
XPA850	850	
XPA857	857	
XPA882	882	
XPA900	900	
XPA907	907	
XPA925	925	
XPA932	932	
XPA950	950	
XPA957	957	
XPA975	975	
XPA982	982	
XPA1000	1000	
XPA1007	1007	
XPA1030	1030	
XPA1060	1060	
XPA1082	1082	
XPA1090	1090	
XPA1107	1107	
XPA1120	1120	
XPA1140	1140	
XPA1150	1150	
XPA1157	1157	
XPA1180	1180	
XPA1207	1207	
XPA1215	1215	
XPA1232	1232	
XPA1250	1250	
XPA1257	1257	
XPA1282	1282	
XPA1285	1285	
XPA1307	1307	
XPA1320	1320	
XPA1332	1332	
XPA1357	1357	
XPA1360	1360	
XPA1367	1367	
XPA1382	1382	
XPA1400	1400	
XPA1450	1450	
XPA1457	1457	
XPA1482	1482	
XPA1500	1500	
XPA1507	1507	
XPA1532	1532	
XPA1550	1550	
XPA1582	1582	
XPA1600	1600	
XPA1632	1632	
XPA1650	1650	
XPA1657	1657	
XPA1680	1680	

XPA		
ISO description	Datum length mm	
XPA1700	1700	
XPA1732	1732	
XPA1750	1750	
XPA1782	1782	
XPA1800	1800	
XPA1850	1850	
XPA1900	1900	
XPA1950	1950	
XPA2000	2000	
XPA2060	2060	
XPA2120	2120	
XPA2180	2180	
XPA2240	2240	
XPA2360	2360	
XPA2430	2430	
XPA2500	2500	
XPA2650	2650	
XPA2800	2800	
XPA3000	3000	
XPA3150	3150	
XPA3350	3350	
XPA3550	3550	
XPA3750	3750	
XPA4000	4000	

XPB/5VX		
ISO description	Datum length mm	RMA description
XPB1000	1000	5VX398
XPB1060	1060	5VX422
XPB1080	1080	5VX430
XPB1120	1120	5VX445
XPB1180	1180	5VX470
XPB1250	1250	5VX497
XPB1260	1260	5VX500
XPB1320	1320	5VX524
XPB1340	1340	5VX530
XPB1400	1400	5VX556
XPB1410	1410	5VX560
XPB1450	1450	5VX575
XPB1500	1500	5VX595
XPB1510	1510	5VX600
XPB1550	1550	5VX615
XPB1590	1590	5VX630
XPB1600	1600	5VX634
XPB1650	1650	5VX654
XPB1690	1690	5VX670
XPB1700	1700	5VX674
XPB1750	1750	5VX693
XPB1800	1800	5VX713
XPB1850	1850	5VX733
XPB1900	1900	5VX753
XPB1950	1950	5VX772
XPB2000	2000	5VX790
XPB2020	2020	5VX800
XPB2120	2120	5VX840
XPB2150	2150	5VX850
XPB2240	2240	5VX886
XPB2280	2280	5VX900
XPB2300	2300	5VX910
XPB2350	2350	5VX934
XPB2410	2410	5VX953
XPB2500	2500	5VX990
XPB2530	2530	5VX1000
XPB2650	2650	5VX1050
XPB2680	2680	5VX1060
XPB2800	2800	5VX1108
XPB2840	2840	5VX1123
XPB2900	2900	5VX1146
XPB2990	2990	5VX1180
XPB3000	3000	5VX1186
XPB3150	3150	5VX1245
XPB3320	3320	5VX1312
XPB3350	3350	5VX1321
XPB3440	3440	5VX1359
XPB3550	3550	5VX1400
XPB3750	3750	5VX1481
XPB4000	4000	5VX1579
XPB4250	4250	5VX1678
XPB4500	4500	5VX1776
XPB4750	4750	5VX1875
XPB5000	5000	5VX1973

XPC		
ISO description	Datum length mm	
XPC1900	1900	
XPC2000	2000	
XPC2120	2120	
XPC2240	2240	
XPC2360	2360	
XPC2500	2500	
XPC2650	2650	
XPC2800	2800	
XPC3000	3000	
XPC3150	3150	
XPC3350	3350	
XPC3550	3550	
XPC3750	3750	
XPC4000	4000	
XPC4250	4250	
XPC4500	4500	
XPC4750	4750	
XPC5000	5000	

# QUAD-POWER® III

## *Gates new generation raw edge V-belts*

Range extension :

New available sizes (new Product Numbers)

PRODUCT NUMBER	ITEM DESCRIPTION
9633-00600	XPZ600/3VX238 QUADPOWER III
9633-01437	XPZ1437/3VX567 QUADPOWER III
9634-00732	XPA732 QUADPOWER III
9634-01632	XPA1632 QUADPOWER III
9634-01732	XPA1732 QUADPOWER III
9634-01782	XPA1782 QUADPOWER III
9634-02180	XPA2180 QUADPOWER III
9635-01000	XPB1000/5VX398 QUADPOWER III
9635-01060	XPB1060/5VX422 QUADPOWER III
9635-01080	XPB1080/5VX430 QUADPOWER III
9635-01120	XPB1120/5VX445 QUADPOWER III
9635-01180	XPB1180/5VX470 QUADPOWER III

# QUAD-POWER® III

## *Gates new generation raw edge V-belts*

### Range rationalization: Combined sizes vs. Quad-Power II

PRODUCT NUMBER	ITEM DESCRIPTION
9633-00760	XPZ762/3VX300 QUADPOWER III
9633-00762	
9633-01010	XPZ1012/3VX400 QUADPOWER III
9633-01012	
9633-01060	XPZ1060/3VX419 QUADPOWER III
9633-01062	
9633-01077	XPZ1080/3VX425 QUADPOWER III
9633-01080	
9633-01087	XPZ1087/3VX429 QUADPOWER III
9633-01090	
9633-01137	XPZ1140/3VX450 QUADPOWER III
9633-01140	
9633-01200	XPZ1202/3VX475 QUADPOWER III
9633-01202	
9633-01285	XPZ1287/3VX508 QUADPOWER III
9633-01287	
9633-01337	XPZ1337/3VX530 QUADPOWER III
9633-01340	

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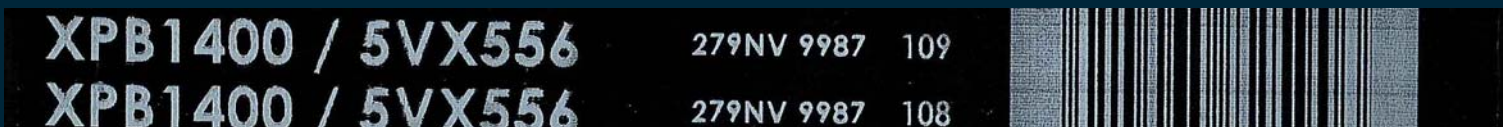
**Gates new generation raw edge V-belts**

Belt marking

Generic part



Size Specific part



Section length  
(ISO +RMA)

CODA  
+ production lotnumber.

BAR-code.  
(EAN 13)

# QUAD-POWER® III

## *Gates new generation raw edge V-belts*

### Why buying Quad-Power III ?

- Belt withstand larger temperature range
- Belt transmit a higher load which results in a longer lifetime
- Cost of the pulleys decreases by using a smaller drive design (diameter or width)
- Noise level is reduced by 8 dBA
- Better profiling gives lower center distance variations which results in elimination of vibrations
- Longer maintenance free lifetime reduces labor costs
- All belts are UNISET, so no matching needed
- **NO EXTRA COST**





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