

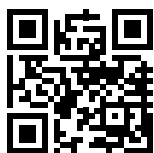
Drive Engineer™ Web App

A Powerful Solution for Belt Drive Design & Analysis

Drive Engineer – Now in the palm of your hand!

New Drive Engineer web app from Timken delivers robust belt drive design and analysis to your desktop or mobile device!

- Comprehensive belt, pulley and drive details
- Part numbers and pricing information
- Easy to save and share results
- PowerMiser™ energy savings calculator
- Resources, news and documentation

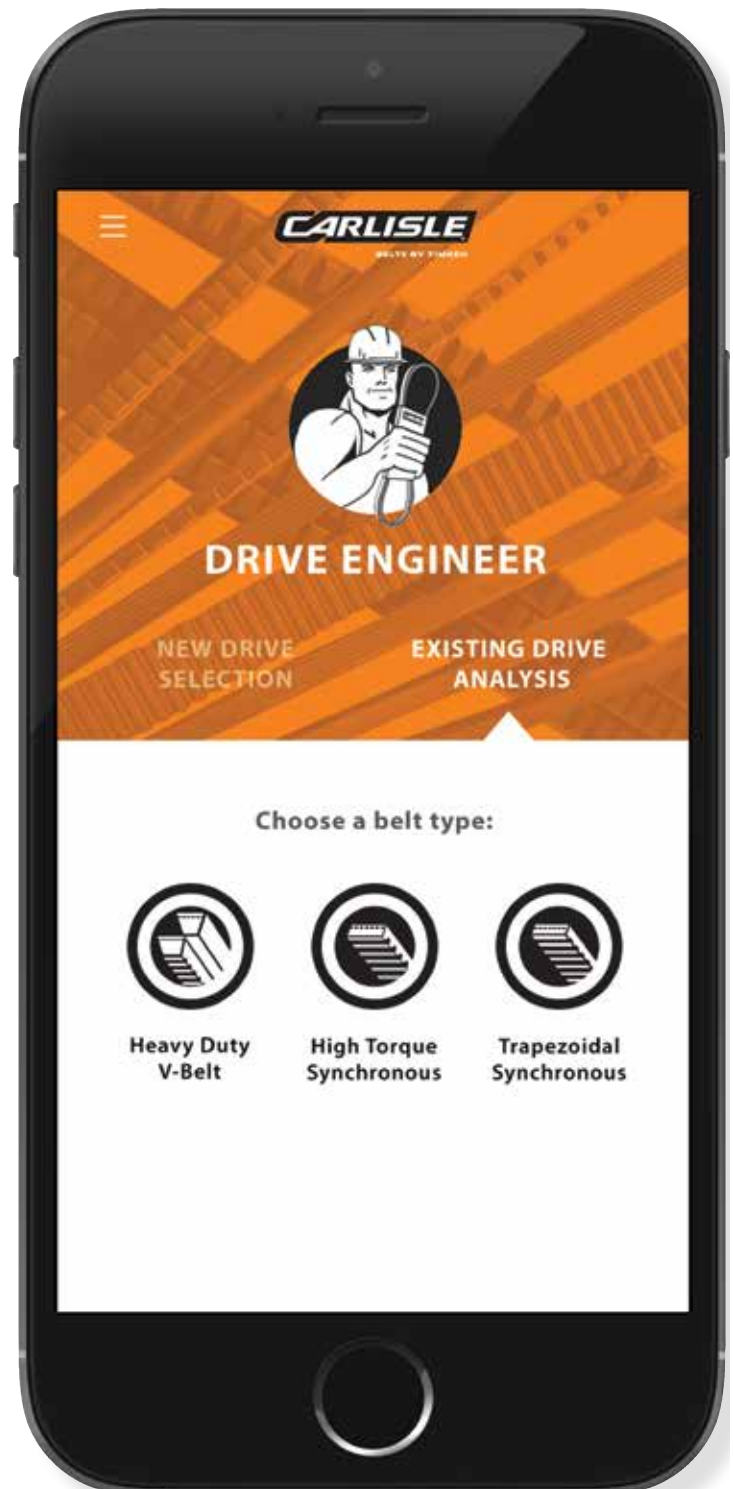


www.driveengineer.com

Desktop: Save to "Favorites"

Mobile Applications: "Add to Home Screen"

Drive Engineer is a free web application and is not available from the App store.



Comprehensive Data for New Belt Drive Design:

Drive Design Features:

- V-belt and synchronous drives
- Individual or banded belts
- Complete details on belts, pulleys, drive outputs and tensioning
- Part numbers and MSRP pricing
- Lookup tools for motor, service factor and cross-section
- Drop-down HP and RPM menus
- Extensive list of recommended drives and data
- Filter results by header
- Conflict detection and warnings
- Customer library function and saved drive history for registered users
- Share and save link or PDF file
- Pop-up drive design tips
- Multiple tensioning type details

The screenshot shows the 'TRAPEZOIDAL SYNCHRONOUS' drive design tool. It includes a 'WELCOME' sidebar with navigation options like Home, PowerMaster, Resources, News, and About. The main content area has a 'Drive Inputs' section with fields for Drive HP (10), Driver RPM (1200), Driven RPM (1050), and Target Service Factor (1.3). Below this are fields for Min Center Distance (30), Max Center Distance (35), and Cross Section (1 Selected: H). A table of results is displayed with columns for part numbers, drive types, and service factors.

Part Number	Drive Type	Service Factor	Drive Type	Drive Type	Drive Type	Service Factor
720H100	76 dBA	30.87	21H300	MPS	24H000	SD 1.050
800H100	76 dBA	34.87	19H000	MPS	22H000	SD 1.036
750H100	76 dBA	31.87	21H300	MPS	24H000	SD 1.050
780H100	76 dBA	33.37	21H300	MPS	24H000	SD 1.050
800H200	76 dBA	34.37	21H300	MPS	24H000	SD 1.050
780H200	72 dBA	30.5	22H200	SK	26H000	SK 1.067
800H200	72 dBA	31.5	22H200	SK	26H000	SK 1.067
820H200	72 dBA	32.5	22H200	SK	26H000	SK 1.067
840H200	72 dBA	33.5	22H200	SK	26H000	SK 1.067
850H200	72 dBA	34	22H200	SK	26H000	SK 1.067
1100H100	69 dBA	32.49	84H100	SF	96H100	SF 1.050
1140H100	69 dBA	34.49	84H100	SF	96H100	SF 1.050

Thorough Analysis of Existing Belt Drives:

Drive Analysis Features:

- V-belt and synchronous drives
- Individual or banded belts
- Complete analysis and details for belts, pulleys, drive outputs, tensioning, and list pricing
- Lookup tools for motor, driver and driven pulleys, belts, service factor
- Normal or extreme duty drives
- Numerous drop-down menus
- Conflict detection and warnings
- Customer library function and saved drive history for registered users
- Share and save link or PDF file
- Pop-up tips and definitions
- Multiple tensioning methods

The screenshot shows the 'HEAVY DUTY V-BELT' drive analysis tool. It includes a 'WELCOME' sidebar with navigation options like Home, PowerMaster, Resources, News, and About. The main content area has a 'Drive Inputs' section with a 'LIST PRICE' of \$9,048. Below this are 'PULLEY DETAILS' for DRIVER and DRIVEN pulleys, and 'BELT DETAILS' for the belt itself. The tool provides detailed specifications for pulley RPM, price, burning price, shaft size, effective diameter, and pitch diameter.

PULLEY DETAILS	
DRIVER	DRIVEN
Pulley RPM: 2.9V 675 SK	Pulley RPM: 2.9V 1350 SF
Pulley Price: \$230.00	Pulley Price: \$336.00
Burning: SK	Burning: SF
Burning Price: \$53.69	Burning Price: \$64.00
Shaft Size: 1/2 in. — 2.58 in.	Shaft Size: 1/2 in. — 2.1574 in.
Effective Diameter: 6.7 in.	Effective Diameter: 12.3 in.
Pitch Diameter: 6.7 in.	Pitch Diameter: 12.3 in.
RPM: 1,795	RPM: 942

BELT DETAILS	
Belt RPM: 3V0860	Belt Price: \$62.54
HP Capacity per Belt: 18.117	Drive HP Capacity: 38.235
Design HP: 34	Actual SF: 1.374

TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, chain, belts, couplings and related mechanical power transmission products and services.

Stronger. By Design.

www.carlislebelts.com