

# DURST



## All Products Catalog

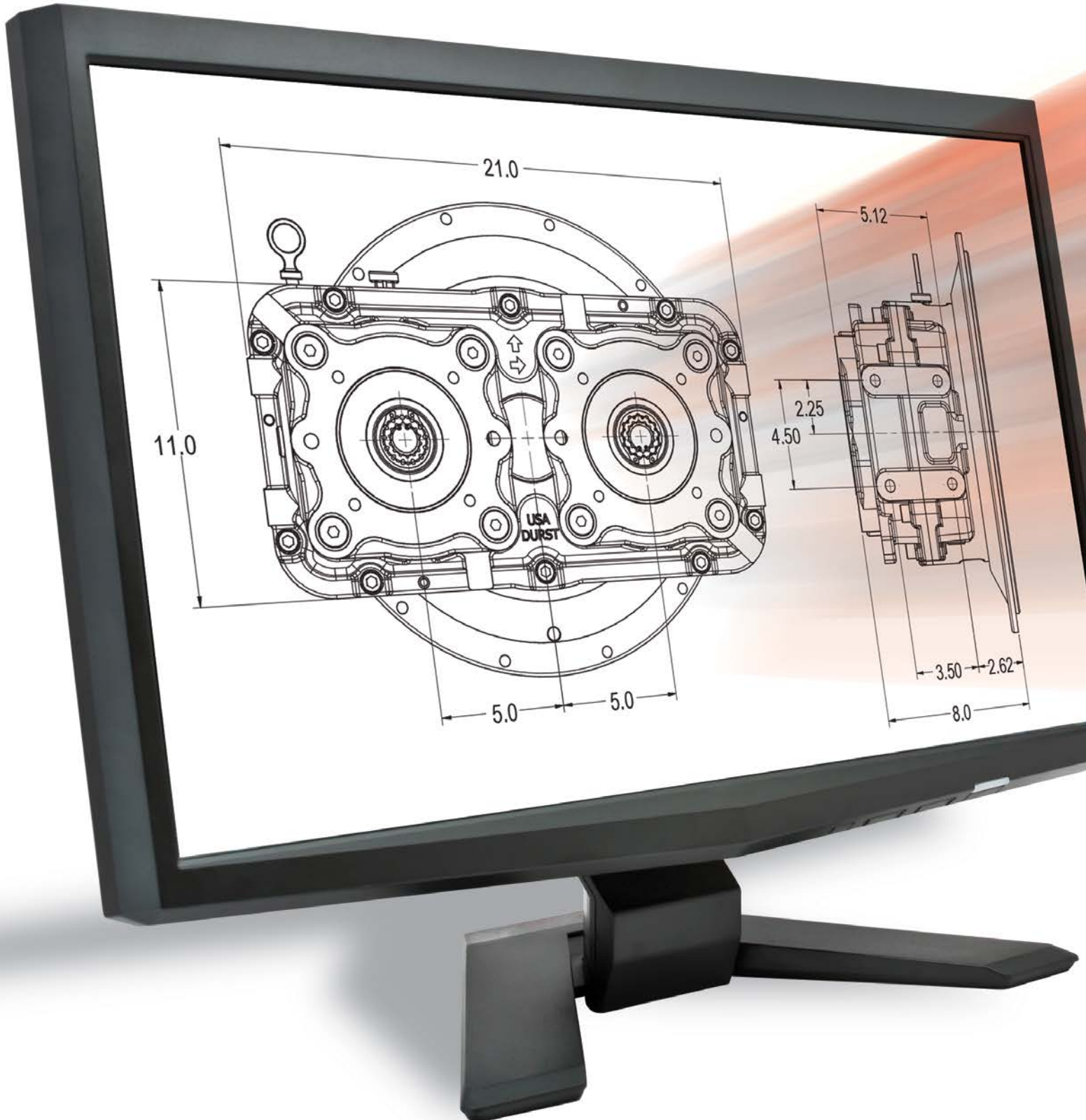
*We Provide Solutions*

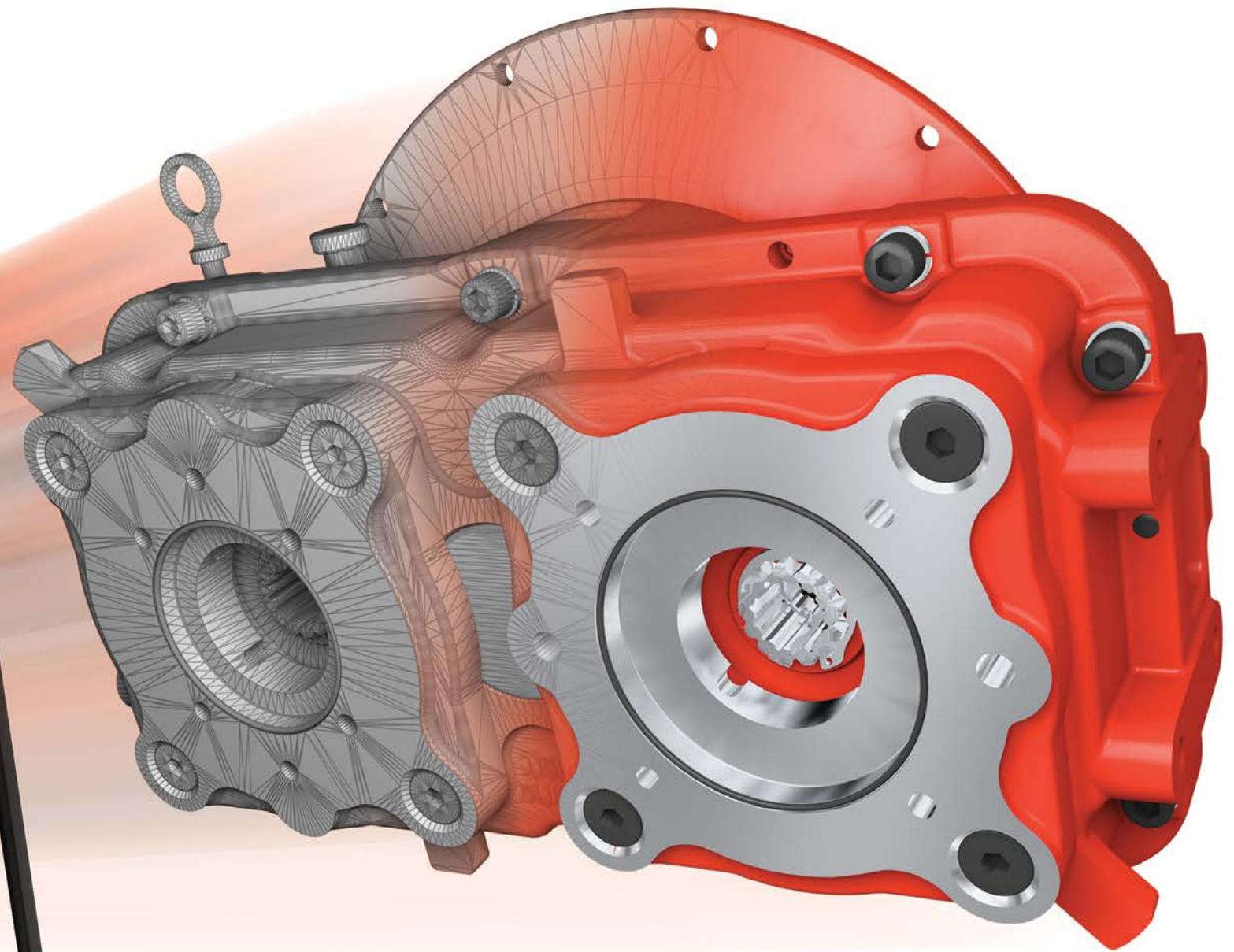
A Regal Brand

**REGAL**

# We Listen...

Define your critical application and business needs, and we'll help you determine the right path to success.





## and **Provide Solutions.**

We've got a solid track record of helping our customers achieve the best solution to even the most perplexing applications. We're eager to be your partner.

# Pump Drives

Our new modular design can be configured and shipped to meet your application needs. It's built tough to provide outstanding performance, and

backed by our responsive Engineering and Customer Service Teams to give you the leading pump drive solution.

## Features

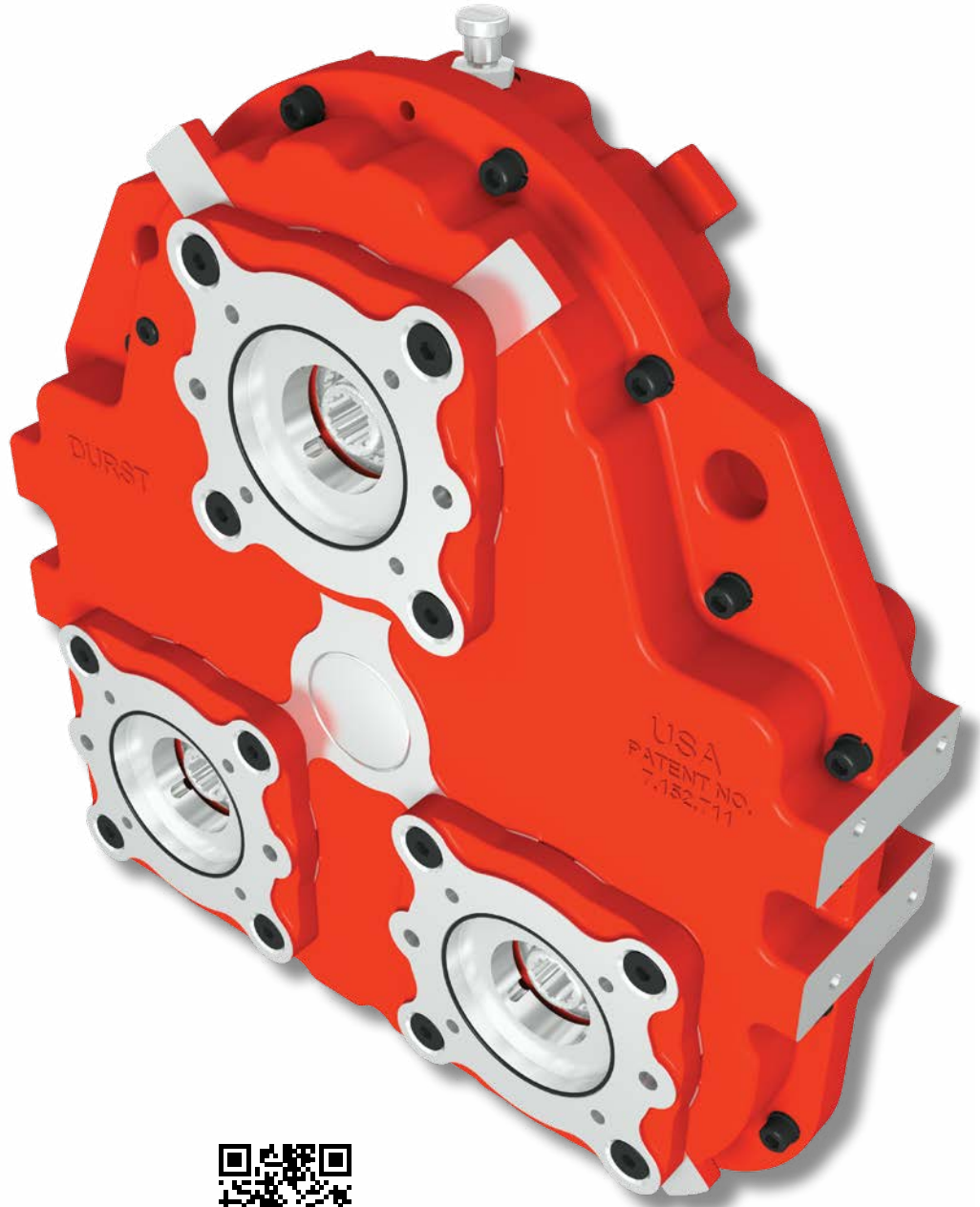
- Quick Ship – Modified Standards
- Patented Modular Design
- Compact Package Size
- Cast Iron Housing
- AGMA Class 10 Gearing
- One-Piece Gear and Shaft Design
- Wide Range of Ratios
- Patented Wet Spline Connection; Patent No. 7,152,711
- Drop-in Replacement for Most Applications

## Available Options

- Pump Pads and Spline Adapters
- Available in SAE and DIN Standard
- Overhung Load Adapters
- Oil Circulation Systems

## Applications

- Construction
- Agricultural
- Offshore Oil
- Forestry
- Marine Decking
- Material Handling
- Railway Maintenance



[www.durstdrives.com/pump-drives/](http://www.durstdrives.com/pump-drives/)

**PUMP DRIVES**

	MODEL	MAX KW	MAX HP	MAX INPUT TORQUE (N-m)	MAX INPUT TORQUE (FT-LB)	INPUT STYLE	FLYWHEEL HSG. STYLE	RATIO INC. OR DEC.	PUMP ADAPTERS	PUMP CENTER DISTANCE (mm)	PUMP CENTER DISTANCE (in)
	<b>SINGLE PUMP DRIVE (GEARED)</b>										
	1PD06	369	495	1414	1040	P,C,S	0,1,2,3,4	1:1, 1.06, 1.18, 1.25, 1.32, 1.40, 1.48, 1.57, 1.67, 1.88 INC	A,B,C,D,E,F	152.4	6.0
	1PD09	608	815	2325	1710	P,C,S	0,1,2,3,4	1:1, 1.12, 1.20, 1.30, 1.40, 1.70, 2.00	A,B,C,D,E,F	228.6	9.0
	<b>TWO PUMP DRIVE</b>										
	2PD05	276	370	949	700	P,C,S	2,3,4	1:1, 1.14, 1.40, 1.61, 2.00	A,B,C,D	254.0	10.0
	2PD06	369	495	1414	1040	P,C,S	0,1,2,3,4	1:1, 1.06, 1.18, 1.25, 1.32, 1.40, 1.48, 1.57, 1.67, 1.88 INC	A,B,C,D,E,F	304.8	12.0
	2PD08	541	725	2074	1525	P,C,S	0,1,2,3,4	1:1, 1.13, 1.23, 1.34, 1.40, 1.53 INC	A,B,C,D,E,F	406.4	16.0
2PD10	708	950	2713	1995	P,C,S	0,1,2,3,4	1:1, 1.14, 1.21, 1.29, 1.33, 1.38	A,B,C,D,E,F	533.4	21.0	
	<b>THREE PUMP DRIVE</b>										
	3PD06	369	495	1414	1040	P,C,S	0,1,2,3,4	1:1, 1.17, 1.29, 1.36, 1.52 INC, 1.69 INC	A,B,C,D	215.6 x 314.4	8.49 x 12.38
	3PD08	541	725	2074	1525	P,C,S	0,1,2,3,4	1:1, 1.13, 1.23, 1.34, 1.40, 1.53 INC	A,B,C,D,E,F	337.6 x 304.8	13.29 x 12.0
3PD10	708	950	2713	1995	P,C,S	0,1,2,3,4	1:1, 1.14, 1.21, 1.29, 1.33, 1.38, 1.47 INC	A,B,C,D,E,F	404.1 x 457.2	15.9 x 18.0	
	<b>FOUR PUMP DRIVE</b>										
	4PD08	541	725	2074	1525	P,C,S	0,1,2,3,4	1:1, 1.13, 1.23, 1.34, 1.40, 1.53 INC	A,B,C,D,E,F	281.4 x 293.1	11.08 x 11.54
	4PD09	608	815	2325	1710	P,C,S	0,1,2,3,4	1:1, 1.12, 1.20, 1.30, 1.40, 1.70 INC	A,B,C,D,E,F	309.4 x 336.6	12.18 x 13.25
4PD11	764	1025	2924	2150	P,C,S	0,1,2,3,4	1:1, 1.16, 1.31, 1.39, 1.57 INC	A,B,C,D,E,F	407.9 x 406.4	16.06 x 16.0	
	<b>INLINE THREE AND FOUR PUMP DRIVES</b>										
	3PD10L	708	950	2713	1995	P,C,S	0,1,2,3,4	1:1, 1.14, 1.21, 1.29, 1.33, 1.38	A,B,C,D,E,F	533.4	21.0
4PD10L	708	950	2713	1995	S	N/A	1:1, 1.14, 1.21, 1.29, 1.33, 1.38	A,B,C,D,E,F	533.4	21.0	
	<b>FIVE PUMP DRIVE</b>										
5PD11	764	1025	2924	2150	P,C,S	0,1,2,3,4	1:1, 1.16, 1.31, 1.39, 1.57 INC	A,B,C,D,E,F	407.9 x 406.4	16.06 x 16.0	
	<b>EIGHT PUMP DRIVE</b>										
	8PD09	608	815	2325	1710	S	N/A	1:1, 1.12, 1.20, 1.30, 1.40, 1.70 INC	A,B,C,D,E,F	309.4 x 336.6	12.18 x 13.25
8PD11	764	1025	2924	2150	S	N/A	1:1, 1.16, 1.31, 1.39, 1.57 INC	A,B,C,D,E,F	407.9 x 406.4	16.06 x 16.0	

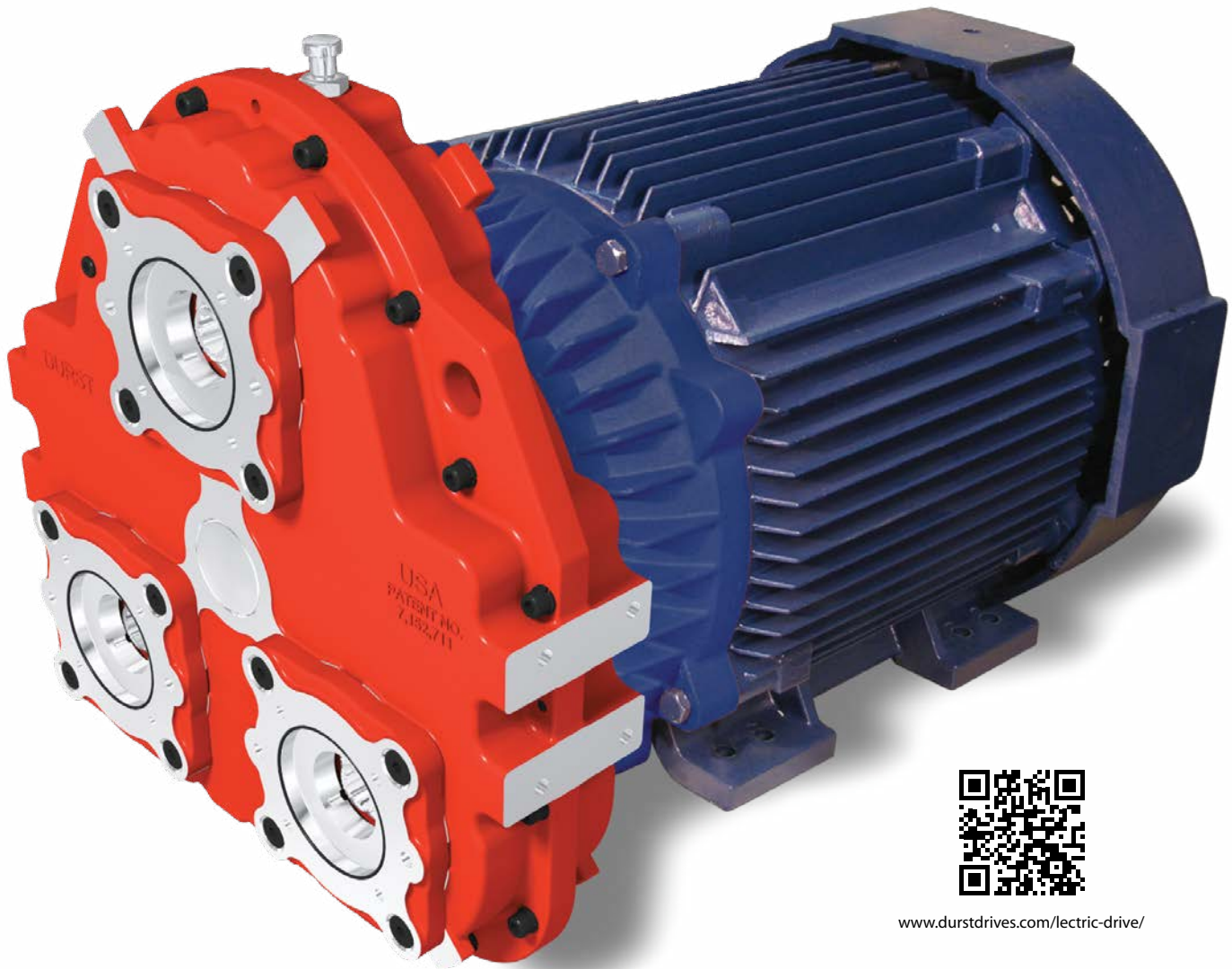
# Lectric Drive

## Pump Drive to Electric Motor System

Lectric Drive is a joint venture between Regal companies Durst and Marathon Electric. It is an economical, space-saving alternative for mounting pump drives directly to electric motors. Lectric Drive is a game changer that makes the conventional

C-Face Motor Adapter and external coupling approach obsolete.

Durst will work with your team to develop a completely assembled system delivered and ready for installation.



[www.durstdrives.com/lectric-drive/](http://www.durstdrives.com/lectric-drive/)

## Advantages

- Single-Source Supplier – Just One P.O. and One Bill
- Paired Compatibility to Application Needs
- Pre-assembled – Delivered Ready for Installation
- One Point of Contact
- Complete System Warranty

## Benefits

- Simplified System – Only 2 Parts
- Smaller Package Size – Up to 20" Shorter
- Reduced Weight – Hundreds of Pounds per Install
- Reduced Maintenance – No Coupling to Repair or Replace
- Reduced Cost – Save Hundreds per Install

### Application Specifications

- Supports 200 – 1,000 Horsepower Electric Motors
- Designed for 440 and 5000 Series Frames
- Compatible with Most Durst Pump Drives

### Motor Specifications

- TEFC and Explosion Proof
- Cast Iron Construction
- Corrosion-Resistant Hardware
- Epoxy Paint
- 230, 460, 575 Volt 50/60Hz
- 200 – 1,000 Horsepower

### Pump Drive Specifications

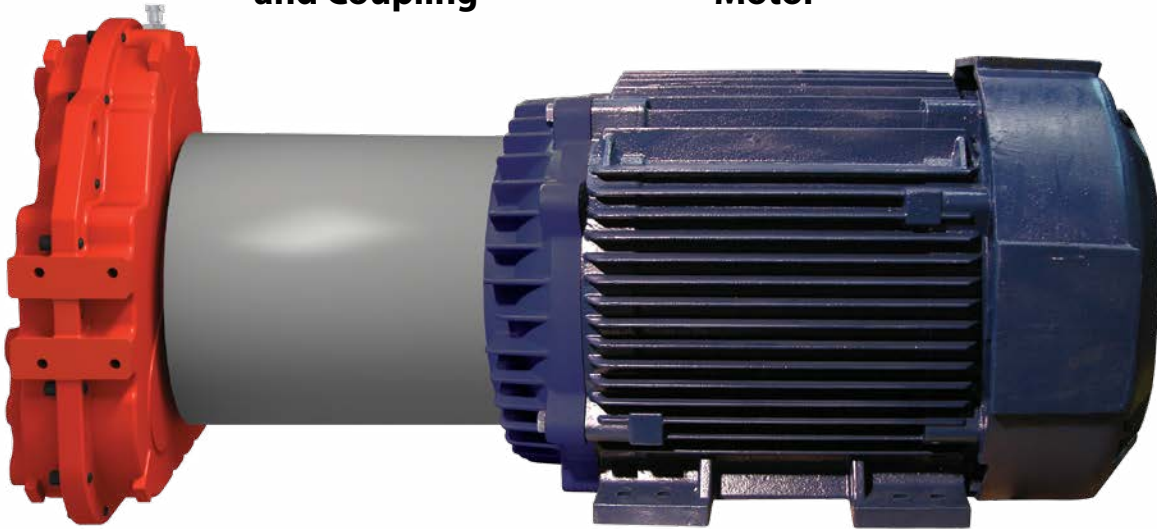
- One- to Eight-Pad Configuration
- Modular Design
- Wide Selection of Gear Ratios
- Torque Rating: 1,040 – 2,150 ft-lbs

## Conventional System

Pump Drive

C-Face Adapter and Coupling

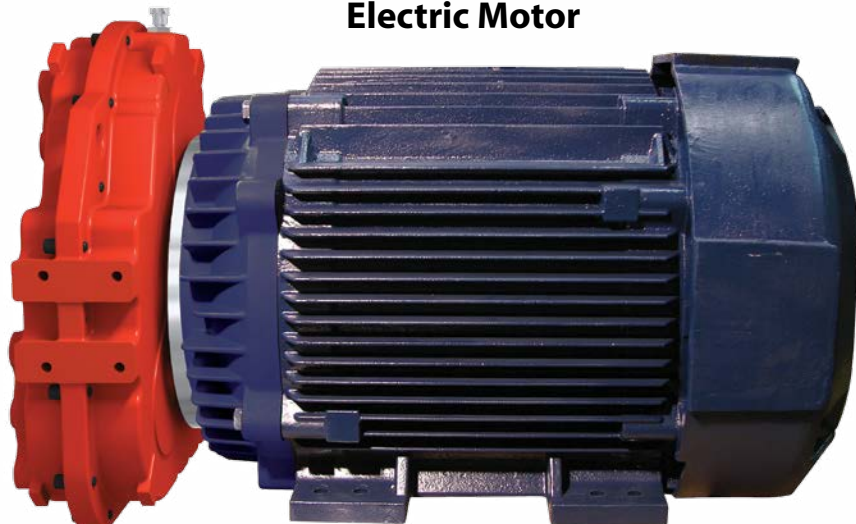
Electric Motor



## Electric Drive System

Pump Drive

Electric Motor



# Transfer Cases

Our new design is built tough to provide outstanding performance and is backed by our responsive

Engineering and Customer Service Teams to give you the industry-leading transfer case solution.

## Features & Benefits

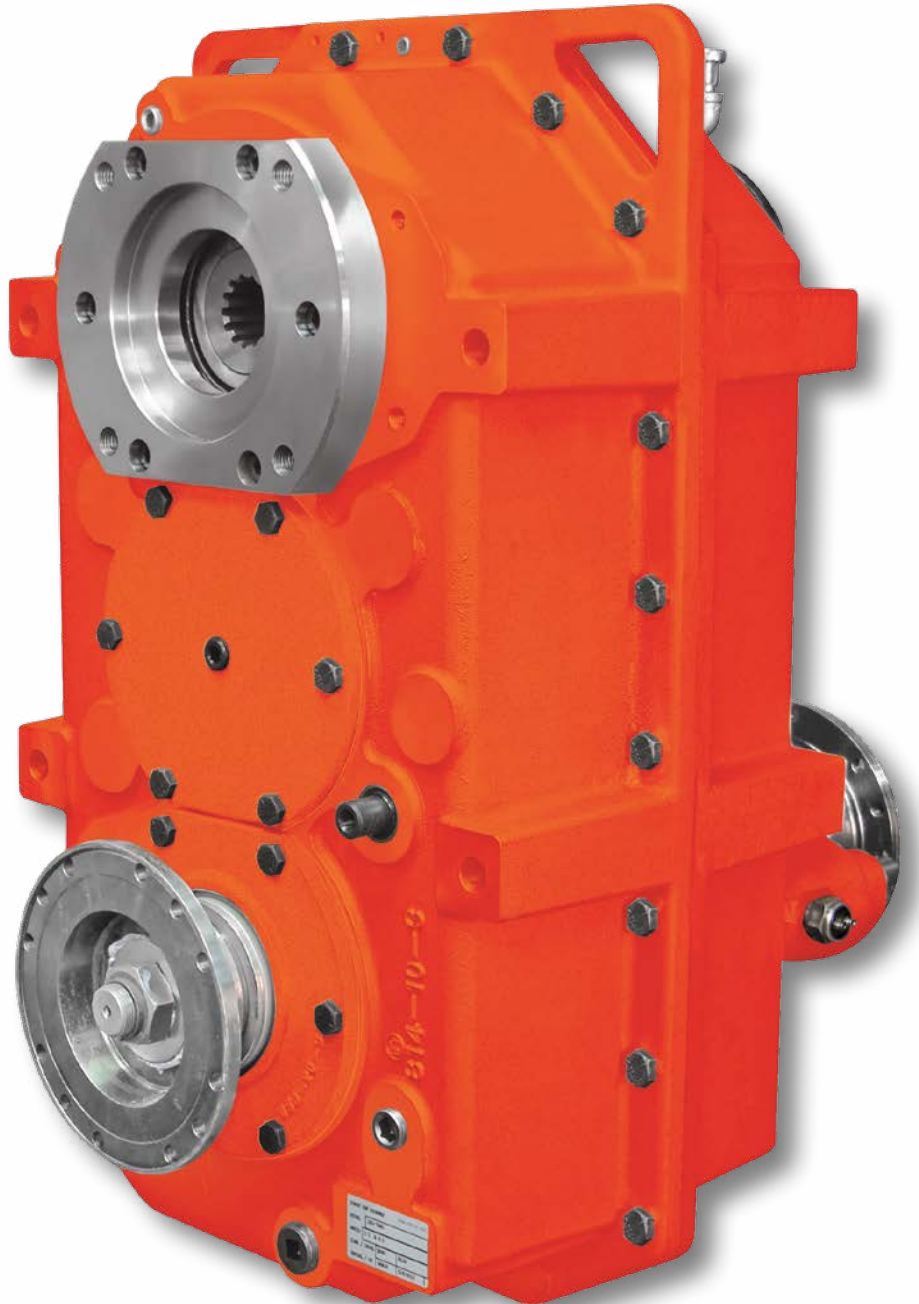
- Cast Iron and Aluminum Housings
- Wide Range of Ratios
- AGMA Class 10 Helical Gearing
- Longer Coupling Life from our Patented Wet Spline Connection; Patent No. 7,152,711

## Options

- Lube and Cooling Systems Available
- Differentials
- Disconnects
- Inputs (Hydraulics, Mechanical)
- Shifting (Pneumatic, Hydraulic, Mechanical)
- Yokes and Flanges
- Split Shaft PTO
- Two Speed
- Single Speed






## Applications

- Construction
- Railway Maintenance
- Forestry
- Agriculture
- Oil and Gas
- Specialty Trucks



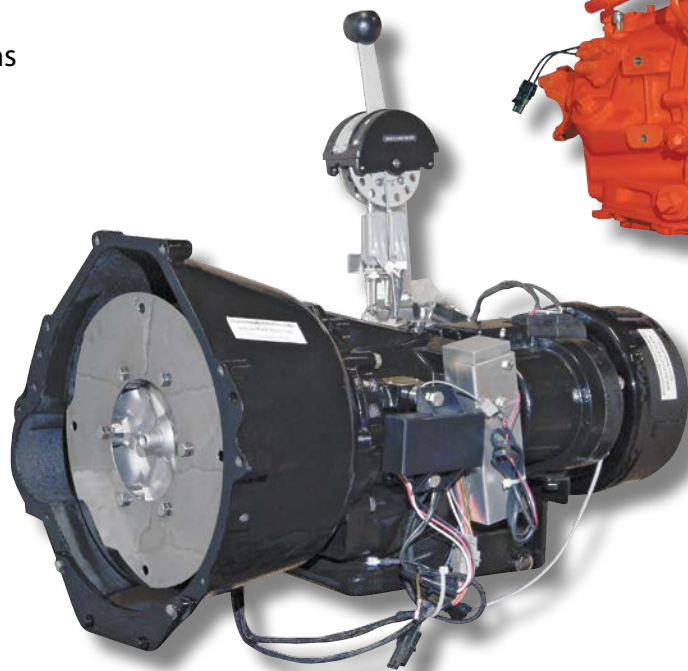
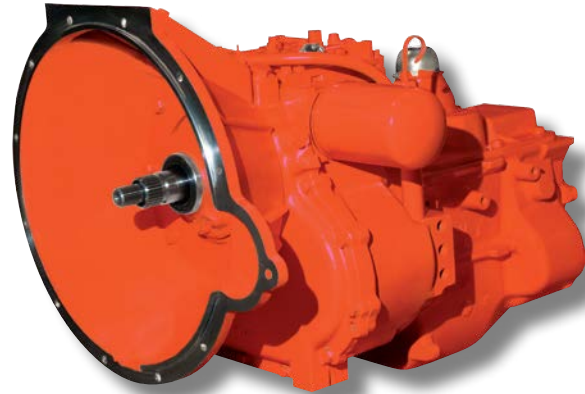


**TRANSFER CASES**

	MODEL	SPEEDS	SHAFTS	NOMINAL INPUT TORQUE FT-LB	CENTER DISTANCE IN.	RATIO NO.	DISCONNECTS	INTERAXEL DIFFERENTIAL	OUT-PUTS	INPUT STYLE
	<b>MP3</b>									
	MP3	1-2	3	685	11.080	1 Thru 6.83 (8)	No	No	1-2+	Mechanical or Hydraulic
	<b>8D</b>									
	8D	1 & 2	2	8,600	8.125	0.78 Thru 4.0 (8)	Yes	No	1, 2 or 3	Mechanical or Hydraulic
	<b>11D</b>									
	11D	1 & 2	3	780	11.07	1 Thru 6.83 (8)	Yes	No	1, 2 or 3	Mechanical or Hydraulic
	<b>12D</b>									
	12D	1-2	3	3,500	12.402	.74-2.47 (5)	Yes	Yes 50/50	1-2+	Mechanical or Hydraulic
	<b>16D</b>									
	16D	1 & 2	3	9,000	16.250	0.78 Thru 7.83 (8)	Yes	Yes 50/50 70/30	1, 2 or 3	Mechanical or Hydraulic
	<b>20D</b>									
	x	x	x	x	x	x	x	x	x	x x
<b>In Development</b>										
	<b>20D REVERSING</b>									
	x	x	x	x	x	x	x	x	x	x x
<b>In Development</b>										

# Transmissions

- Detachable bell housing for easy fitting of alternative engines
- Oil-immersed multi-plate clutches for smooth engagement
- Output shaft coupling suits Dana 1410 series carden shaft
- Easy-to-service external-mounted, weatherproof hydraulic solenoid valves
- Accommodates modified standard C6 morse gear selector
- Single- or two-speed configuration
- CG replacement for airport Ground Support Equipment (T72)
- Converter-driven shuttle transmissions
- PR1 single-speed FIR
- PR2 two-speed F/R
- Mechanical or electric controls
- Three- and four-speed mechanical transmission hookups



[www.durstdrives.com/velvet-drive-transmissions/](http://www.durstdrives.com/velvet-drive-transmissions/)

INDUSTRIAL GRADE MOBILE TRANSMISSIONS						
MODEL	SPEEDS	INPUT HP	TORQUE @ STALL LB/FT	RATIOS	CONTROLS	MECHANICAL OR HYDRAULIC SHIFTED
T72	1	60	400	1:1	MECHANICAL OR ELECTRIC	HYDRAULIC
T72 GSE	1	115	400	1:1	ELECTRIC	HYDRAULIC
T72 GSE 2	2	115	400	1:1, 1.47:1	ELECTRIC	HYDRAULIC
T72/T18	3	60	400	1:1, 1.68:1, 3.09:1	MECHANICAL	HYDRAULIC & MECHANICAL
T72/T19	4	60	400	1:1, 1.68:1, 3.09:1, 6.32:1	MECHANICAL	HYDRAULIC & MECHANICAL
PR1	1	100	525	1.09:1, 1.22:1	MECHANICAL OR ELECTRIC	HYDRAULIC
PR2	2	100	525	<b>HI RANGE</b> .97:1, 1.03:1, 1.22:1 <b>LOW RANGE</b> 1.84:1, 2.38:1, 2.55:1	MECHANICAL OR ELECTRIC	HYDRAULIC
PR1/T19	4	100	525	1.09:1, 1.22:1 <b>T19 RATIOS</b> 1:1, 1.68:1, 3.09:1, 6.32:1	MECHANICAL	HYDRAULIC & MECHANICAL
PR2/T19	8	100	525	<b>HI RANGE</b> .97:1, 1.03:1, 1.22:1 <b>LOW RANGE</b> 1.84:1, 2.38:1, 2.55:1 <b>T19 RATIOS</b> 1:1, 1.68:1, 3.09:1, 6.32:1	MECHANICAL	HYDRAULIC & MECHANICAL

# Parallel Shaft Gear Drives

- Compact, high-strength cast iron housing
- Spur and helical high-capacity gearing
- Tapered rolling bearings
- Double-lip spring-loaded oil seals
- Reducer or increaser application
- Hollow shaft or hydraulic flange mounts available



PARALLEL SHAFT GEAR DRIVES			
MODEL	HP RATINGS 1800 RPMS	RATIOS	
		DECREASERS	INCREASERS
A205	39	3.241, 6.2:1	1.3:1, 1.6:2
A221	72	1:1, 2.6:1, 2.8:13.2:1	
A136	163	1.8:1, 2:1, 3:1, 4:1 5:1	1:1.8: 1:2, 1:3, 1:4, 1:5
HD1	111	1:1, 1.15:1, 1.25:1, 1.50:1, 2.1:1, 2.21:1, 3:1, 4:1, 5:1	N/A
HF1	133	1:1, 1.15:1, 1.25:1, 1.50:1, 1.67:1, 2.1:1, 2.29:1, 2.21:1, 3:1, 4:1, 5:1	N/A



[www.durstdrives.com/parallel-shafts/](http://www.durstdrives.com/parallel-shafts/)

# Bevel Gear Drives



- Heavy-duty construction
- Choice of forged or cut tooth gearing
- Tapered rolling bearings
- Universal mountings
- Optional shift to change direction

BEVEL GEAR DRIVES				
MODEL	HP RATINGS		RATIOS	
	540 RPMS	1000 RPMS	DECREASERS	INCREASERS
A160	9	17	1:1, 1.35:1, 2:1	1:1.35, 1:2
A115	13	22	1:1, 1.35:1, 1.5:1, 2:1	1:1.35, 1:1.5, 1:2
A11	38	63	1:1, 1.35:1, 1.5:1, 2:1	1:1.35, 1:1.5, 1:2
A276	59	97	1:1, 1.35:1, 1.5:1, 2:1	1:1.35, 1:1.5, 1:2
A76	59	97	1:1, 1.35:1, 1.5:1, 2:1	1:1.35, 1:1.5, 1:2



[www.durstdrives.com/bevel-drives/](http://www.durstdrives.com/bevel-drives/)

# Worm Gear Drives



## Traditional Worm Gear Drives

- Right or left hand bronze gearing
- Rugged cast iron housing
- Double-lip spring-loaded oil seals
- Tapered roller bearings
- Choice of mounting arrangements

TRADITIONAL WORM GEAR DRIVES			
MODEL	RATIOS	OUTPUT TORQUE RATINGS	
		540 RPM	1,000 RPM
A21	5:1	1,724	1,307
A21	10:1	2,239	1,518
A21	20:1	2,188	1,664
A26	25:1	10,667	8,151
A26	50:1	10,209	7,796

## Modular Worm Gear Drives

- Advanced modular design
- Right or left hand bronze gearing
- Rugged cast iron housing
- Double-lip spring-loaded oil seals
- Tapered roller bearings
- Choice of mounting arrangements
- Driven mechanically (chain/sprockets) or with hydraulic motor (SAE 2 or 4 bolt)
- Patented output hollow bore design (US 7,037,203 B2)
- Hollow Bores: 2.00, 1.75, 1.50, 1.25, 1.00

MODULAR WORM GEAR DRIVES			
MODEL	RATIOS	OUTPUT TORQUE RATINGS	
		540 RPM	1,000 RPM
A1126	25:1	10,667	8,151
A1126	50:1	10,209	7,796



[www.durstdrives.com/worm-drives/](http://www.durstdrives.com/worm-drives/)

# DURST Worldwide Locations



## DURST

1-800-356-0775  
608-365-2563  
Fax: 608-365-6812  
durstinfo@regalbeloit.com

[www.durstdrives.com](http://www.durstdrives.com)

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[www.regalbeloit.com](http://www.regalbeloit.com)