

# Western Pacific Products, Inc.

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*Over 8,000 Part Numbers – Over 26,000 Square Feet of Warehouse – We Ship Worldwide*

	<h1>Transmax</h1> <h2>Transport Pumps</h2> <p>Sliding Vane Pump</p>	SPEC SHEET 205-001	
		Section	205
		Effective	January 2002
		Replaces	New

## TX206A

### Pumping Capabilities

Capable of pumping thin to thick liquids from 30 to 50,000 SSU (7 to 10,500 Cp) with sustained performance at rated P.T.O. speeds.

### Maintenance Made Easy

The Transmax is specifically designed for easy cleaning. Multiple drain ports allow for proper flushing in a variety of mounting positions.

### Sophisticated Design

The unique open rotor design makes the Transmax highly versatile. The sliding vane design provides sustained high performance capabilities including self-priming and line clearing. These benefits are not found with existing gear pumps.

### Hydraulic Drive Options

Blackmer offers fully integrated hydraulic drive systems including pumps, motors, close coupled hydraulic motor adapters, control valves, P.T.O.'s and coolers.



PTO Drive



Hydraulic Drive



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## Transmax Series

### Sliding Vane Pump

#### Characteristic Flow Rates at 75psi

Pump Model	Speed RPM	100 SSU (22cP)		10,000 SSU (2157 cP)		50,000 SSU (10,500 cP)	
		GPM	LPM	GPM	LPM	GPM	LPM
TX206A	400	94	355	104	393	101	381
	500	122	461	131	495	126	477
	600	147	556	157	594	152	575
	700	174	658	184	696	169	639
	800	203	768	206	780	—	—

#### Optional Pipe Flanges

Pump Model	Description
TX206A	3" NPT 3" Weld

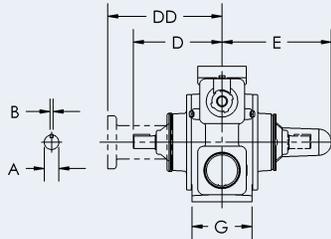
#### Maximum Operating Limits

Pump Model	Nominal Flowrate		Pump Speed RPM	Viscosity		Differential Pressure		Working Pressure		Temperature	
	GPM	LPM		SSU	cP	PSI	Bar	PSI	Bar	°F	°C
TX206A	206	780	800	50,000	10,500	125	8.62	175	12.07	300*	149

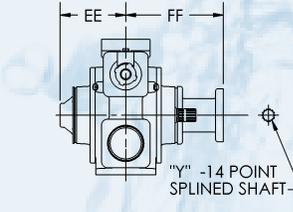
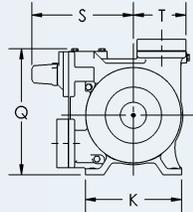
Note: Optional materials of construction may be required to meet specific application requirements--please refer to Blackmer Material of Construction pages. For operating limits that exceed those listed--consult factory.  
\*Standard construction rated at 150°F and 66°C.

#### Pump Dimensions

Pump Model	A	B	D	E	G	K	Q	S	T	Y	DD	EE	FF	Weight	
TX206A	IN.	1 1/4	5/16	8 11/16	10 5/8	5 7/8	9 3/8	12 3/8	10	5 1/8	1 1/4	11 3/16	6 7/16	9 9/16	146 lbs
	MM.	32	8	221	270	149	238	314	254	130	32	284	164	243	66 kgs



**Keyed Shaft Hydraulic Drive Option**



**Splined Shaft Hydraulic Drive Option  
(left hand rotation only)**

#### Sales Information and Equipment Application Assistance

Blackmer has a world wide distribution network to assist you in specifying any of our family of pumps, compressors and other equipment for your application. For more information or to find the distributor nearest to you, please contact us at the telephone, fax or internet address listed below.



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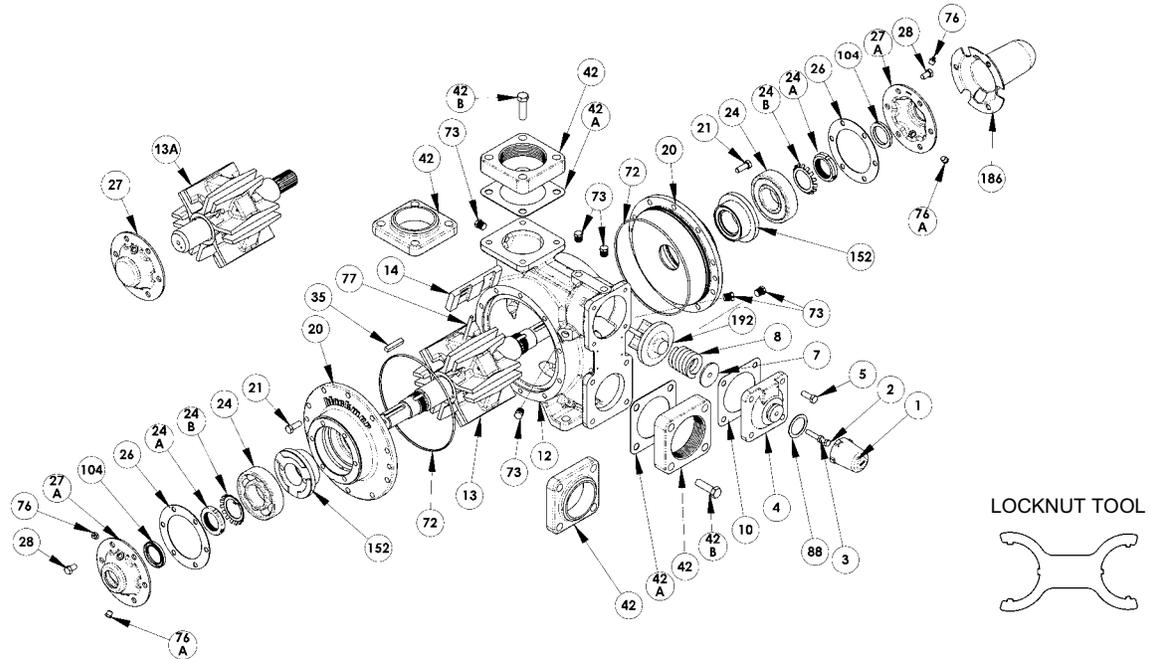
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## BLACKMER PARTS LIST PUMP MODEL: TX206A

(See Instructions 205-B00 for Installation, Operation and Maintenance)

961817      **PARTS LIST**  
Page 1 of 2      **205-B01**

Section      205  
Effective      March 2003  
Replaces      June 2002



Ref. No.	Description	Parts per Pump	Part No.	Ref. No.	Description	Parts per Pump	Part No.
1	Cap – Relief Valve (R/V)	1	413952	26	Gasket – Bearing Cover	2	381817
2	Adjusting Screw – R/V	1	431808	27	Bearing Cover – Outboard - Splined Shaft	0-1	041817
3	Locknut – Adjusting Screw	1	922923	27A	Bearing Cover	1-2	041815
4	Cover – R/V	1	411807	28	Capscrew – Bearing Cover	12	920285
5	Capscrew – R/V	4	920331	35	Key – Shaft	1	909184
7	Spring Guide – R/V	1	421805	42	Flange – 3" NPT - Std.	2	651803
8	SS Spring - R/V (51-75 psi)	1	471807	42	Flange – 3" Weld	2	655102
	SS Spring - R/V (76 -110 psi)-Std			42A	Gasket – Flange	2	381816
	SS Spring - R/V (111-125 psi)			42B	Capscrews – NPT Flange	8	920532
9	Valve – R/V (Plated)	1	451808	42B	Capscrews – Weld Flange	8	920510
10	Gasket – R/V Cover	1	531803	72	O-Ring – Head (Viton) - Std.	2	702121
12	Cylinder	1	021821	72	O-Ring – Head (Teflon)	2	702235
13	Rotor & Shaft	1	261830	73	Plug – ¼" NPT	6	908198
13A	Splined Rotor & Shaft -RH Only	1	261831	76	Grease Fitting	2	317815
14	Vane – Duravane -Std.	6	091819	76A	Grease Relief Fitting	2	701992
	Vane – Bronze		091804	77	Push Rod	3	121813
20	Head	2	031872	88	Seal Ring – R/V Cap	1	533908
21	Capscrew – Head	20	920331	104	Oil Seal	2	331908
24	Bearing	2	903172	152	Lip Seal Assembly -Std.	2	335221
24A	Locknut	2	903523	186	Shaft Protector	0-1	341801
24B	Lockwasher	2	903524		Tool – Locknut		903091
					Hydraulic Motor Adapter Kit (SAE A)		See Backside

Keep this parts list with Installation, Operation and Maintenance Instructions.  
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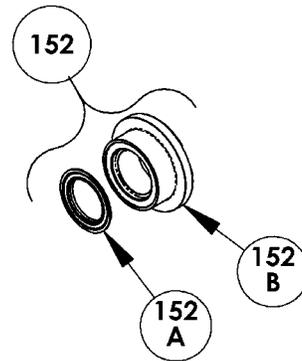
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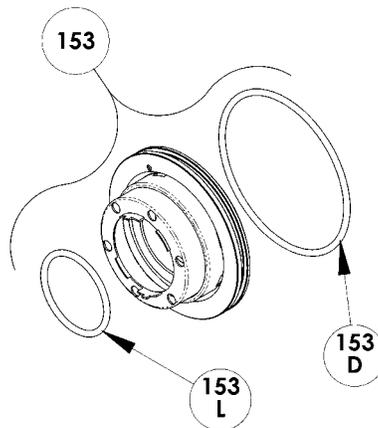
## LIP SEAL - STANDARD

Ref. No.	Part Name	Parts Per Pump	Part No.
152	Lip Seal Complete	2	335221
152A	Lip Seal– Stationary (Turcon)	2	331759
152B	Housing - Lip Seal	2	335222



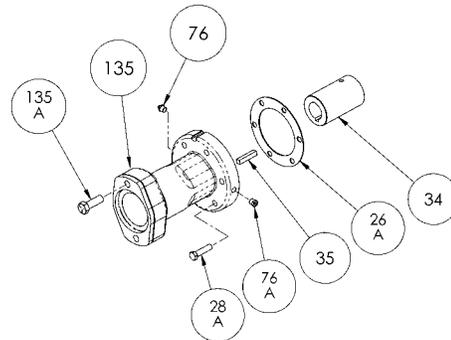
## MECHANICAL SEAL - OPTIONAL

Ref. No.	Part Name	Parts Per Pump	Part No.
153	Mechanical Seal Complete – Cast Iron Stationary Seat, Bronze Seal Face, Viton O-Rings. – IVBV	2	331881
153D	O-Ring – Stationary (Viton)	2	711931
153L	O-Ring – Rotating (Viton)	2	701962



## OPTIONAL HYDRAULIC MOTOR ADAPTER PARTS

REF. NO.	PART NAME	PARTS PER PUMP	PART NO. STD SHAFT	PART NO. SPLINED SHAFT
See Below	Hydraulic Motor Adapter Kit *	See Below	895141	895142
26A	Gasket – Hydraulic Motor Adapter	1	381817	381817
28A	Capscrew – Hydraulic Motor Adapter / Head	6	920331	920331
34	Coupling w/ Setscrew	1	906970	N/A
	Coupling - Splined Shaft		N/A	906009
35	Key – Coupling	1	909184	N/A
76	Grease Fitting	1	317815	317815
76A	Grease Relief Fitting	1	701992	701992
135	Hydraulic Motor Adapter	1	041806	041803
135A	Capscrew – Adapter / Motor	2	920510	920510



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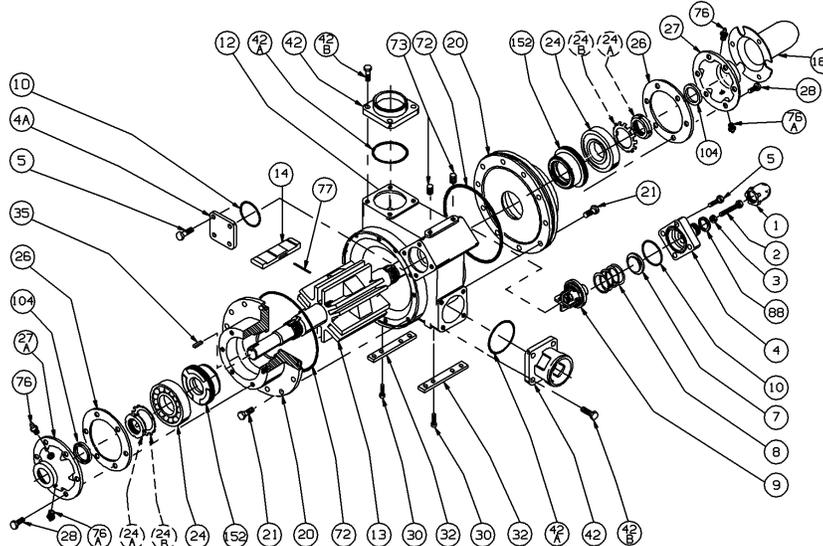
## BLACKMER PARTS LIST

**PUMP MODELS: TX400B  
DISCONTINUED MODEL: TX400A**

(See Instructions 205-A00 for Installation, Operation and Maintenance)

961905 **PARTS LIST**  
Page 1 of 2 **205-A02**

Section 205  
Effective January 2003  
Replaces June 2002



Ref. No.	Description	Parts per Pump	Part No.	Ref. No.	Description	Parts per Pump	Part No.
1	Cap - Relief Valve (R/V)	1	413952	21	Capscrews - Head	20	920369
2	Adjusting Screw - R/V	1	435109	24	Ball Bearing	2	903172
3	Locknut - Adjusting Screw	1	922923	24A	Locknut - Bearing	2	903523
4	Cover - R/V	1	411868	24B	Lockwasher - Bearing	2	903524
4A	Blanking Plate - R/V	1	411905	26	Gasket - Bearing Cover	2	381817
5	Capscrew - R/V Cover /Blanking Plate	8	920381	27	Bearing Cover - Outboard	0 - 1	041817
7	Spring Guide - R/V	1	426907	27A	Bearing Cover - Inboard	1 - 2	041815
8	Spring - R/V (35-75 psi)	1	471900	28	Capscrews - Bearing Cover	12	920285
	Spring - R/V (76-110 psi) (Std. - 400, 420, 430)		471832	30	Capscrews - Foot Bracket	4	920466
	Spring - R/V (111-125 psi)		476908	32	Foot Bracket	2	832200
	SS Spring - R/V (35-75 psi)		471901	35	Key - Shaft	1	909178
	SS Spring - R/V (76-110 psi) (Std.- 410)		471834	42	Flange - 3" Weld	1	652007
	SS Spring - R/V (111-125 psi)		476910	42	Flange - 4" Weld	1	652005
9	Valve Assembly - R/V	1	451900	42A	O-Ring - Flange (Buna-N)(Std.- 400,420)	2	701937
10	O-Ring - R/V Cover/ Blanking Plate (Buna-N) (Std.- 400, 420)	2	701936	42A	O-Ring - Flange (Viton) (Std.- 430)		701968
	O-Ring - R/V Cover/ Blanking Plate (Viton) (Std.- 430)		711931	42A	O-Ring - Flange (Teflon) (Std.- 410)		702101
	O-Ring - R/V Cover/ Blanking Plate (Teflon) (Std.- 410)		702080	42B	Capscrews - Flange	8	920640
				72	O-Ring - Head (Buna-N) (Std.- 400, 420)	2	701944
12	Cylinder (Std.- 400, 430)	1	021900	72	O-Ring - Head (Viton) (Std.- 430)	2	711938
	Cylinder - Plated (Std.- 410, 420)		021901	72	O-Ring - Head (Teflon) (Std. - 410)	2	702233
13	Rotor & Shaft (Std.- 400, 430) <sup>1</sup>	1	261910	73	Gage Plug	2	908198
	Rotor & Shaft - Hardened (Std.- 420) <sup>1</sup>		261911	76	Grease Fitting	2	317815
	Rotor & Shaft - Plated (Std.- 410) <sup>1</sup>		261912	76A	Grease Relief Fitting	2	701992
	Vane - Duravane (Std.- 400, 410)		091915	77	Push Rod	3	121900
14	Vane - Laminate (Std.- 420)	6	091918	88	Gasket - R/V Cap	1	533908
	Vane - Bronze (Std.- 430)		091916	104	Grease Seal	2	331908
	Head (Std.- 400, 430)		031815	186	Shaft Protector	1	341801
20	Head - Plated (Std.- 410, 420)	2	031901	152	Lip Seal Asy. (Std.- 400, 420, 430)	2	See Back
							895139
							903091

<sup>1</sup>Double-Ended Rotor & Shaft    <sup>2</sup>Hydraulic Motor Adapter Kits for field retrofit of parallel keyed 1 1/8" shaft. See Blackmer Parts List 206-BOO.

\*Recommended spare parts.    Keep this parts list with Installation, Operation and Maintenance Instructions.

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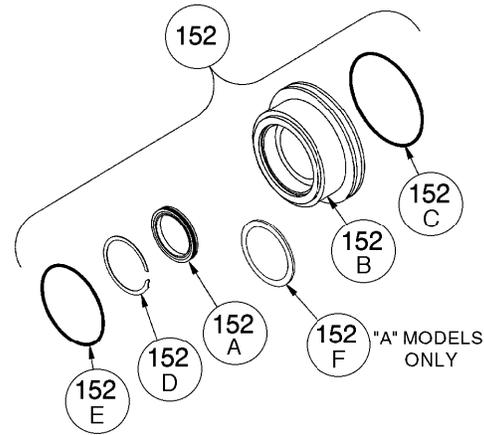
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## LIP SEAL - STANDARD

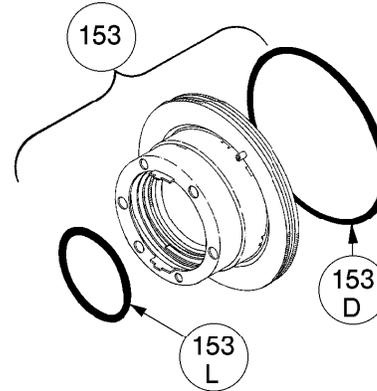
Ref. No.	Part Name	Parts Per Pump	TX400B Part No.	TX400A Part No.
152	Lip Seal Complete - Lip Seal, Housing w/ Buna-N O-Rings. (Std. 200, 220)	2	331760	331751
	Lip Seal Complete - Lip Seal, Housing w/ Viton O-Rings. (Std. - 230)		331761	331755
	Lip Seal Complete - Lip Seal, Housing w/ Teflon O-Rings.		331762	331753
152A	Lip Seal w/Viton O-Ring	2	331763	331856
	Lip Seal w/Teflon O-Ring		331764	331752
152B	Housing - Lip Seal	2	331877	331877
152C	Outer O-Ring - Housing (Buna-N)	2	701936	701936
	Outer O-Ring - Housing (Viton)		711931	711931
	Outer O-Ring - Housing (Teflon)		702080	702080
152D	Retaining Ring - Lip Seal	2	903561	903561
152E	Inner O-Ring - Housing (Buna-N)	2	702004	702004
	Inner O-Ring - Housing (Viton)		702086	702086
	Inner O-Ring - Housing (Teflon)		702078	702078
152F	Spacer Washers*	0 - 8	NONE	331754



\*Spacer washers (152F) are used for Discontinued TX400A models only.

## MECHANICAL SEAL - OPTIONAL

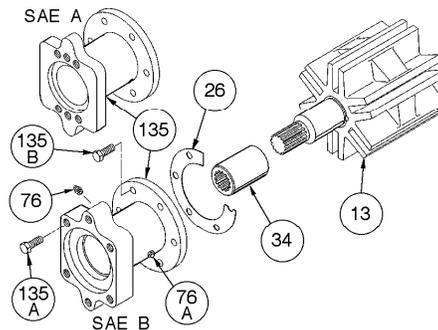
Ref. No.	Part Name	Parts Per Pump	Part No.
153	Mechanical Seal Complete - SS Stationary Seat, Teflon O-Ring, Carbon Seal Face w/ Teflon Seal Ring. (Std. - 210)	2	331899
	Mechanical Seal Complete - Cast Iron Stationary Seat, Carbon Seal Face, Buna-N O-Rings.		331880
	Mechanical Seal Complete - Cast Iron Stationary Seat, Carbon Seal Face, Viton O-Rings.		331883
	Mechanical Seal Complete - Cast Iron Stationary Seat, Bronze Seal Face, Viton O-Rings.		331881
	Mechanical Seal Complete - Cast Iron Stationary Seat, Teflon O-Ring, Carbon Seal Face w/ Teflon Seal Ring.		331873
153D	O-Ring - Stationary (Viton)	2	711931
	O-Ring - Stationary (Teflon)		702080
153L	O-Ring - Rotating (Viton)	2	701962
	Seal Ring - Rotating (Teflon)		**



\*\*Teflon Rotating Seal Ring is not available as a separate part.

## OPTIONAL HYDRAULIC ADAPTER PARTS – SPLINED SHAFT

Ref. No.	Part Name	Parts Per Pump	Part No.
13	Splined Rotor & Shaft	1	261956
	Splined Rotor & Shaft - Hardened		261957
	Splined Rotor & Shaft - Plated		261958
26	Gasket - Motor Adapter	1	381817
34	Splined Coupling (motor to pump)	1	906009
135	Hydraulic Motor Adapter - SAE B (Std.)	1	041802
	Hydraulic Motor Adapter - SAE A		041803
76	Grease Fitting	1	317815
76A	Grease Relief Fitting	1	701992
135A	Capscrews - Motor / Adapter	2 - 4	920510
135B	Capscrews - Adapter / Head	6	920331



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