

ENGINEERING
TOMORROW



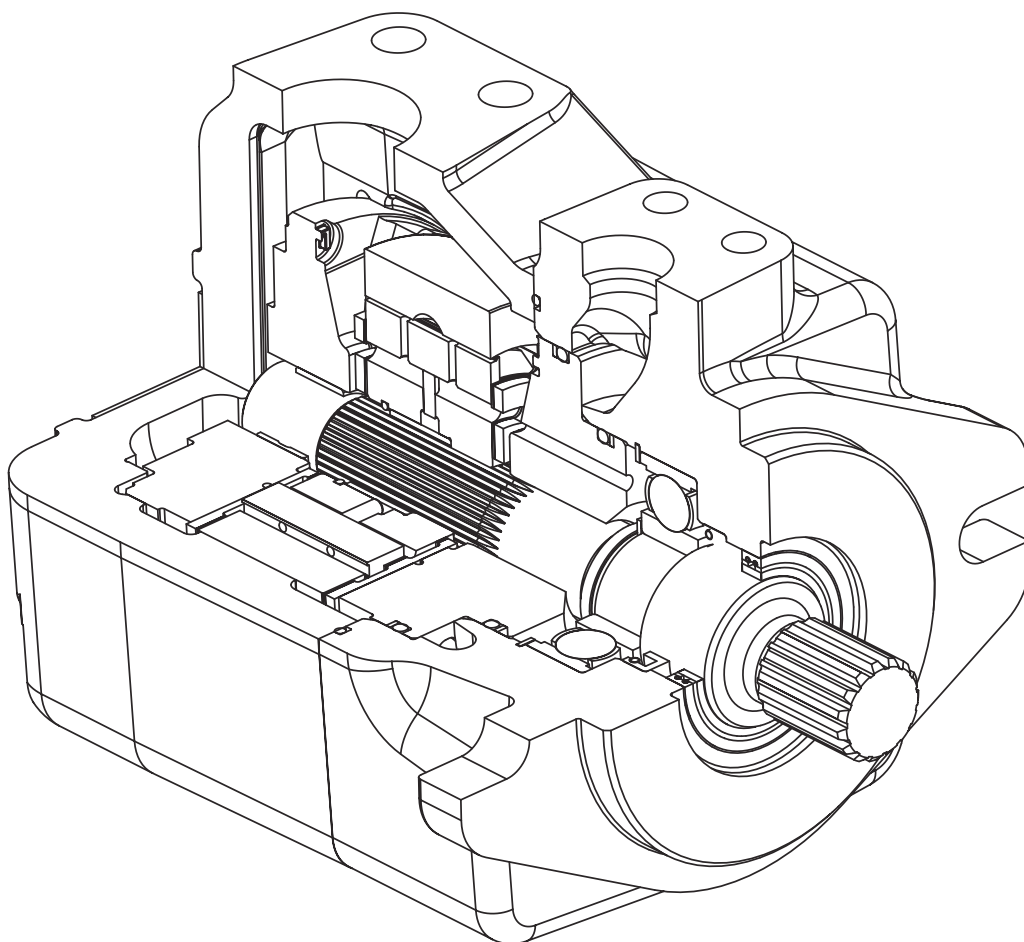
Vickers® by Danfoss

High Pressure, High Performance Vane Pumps

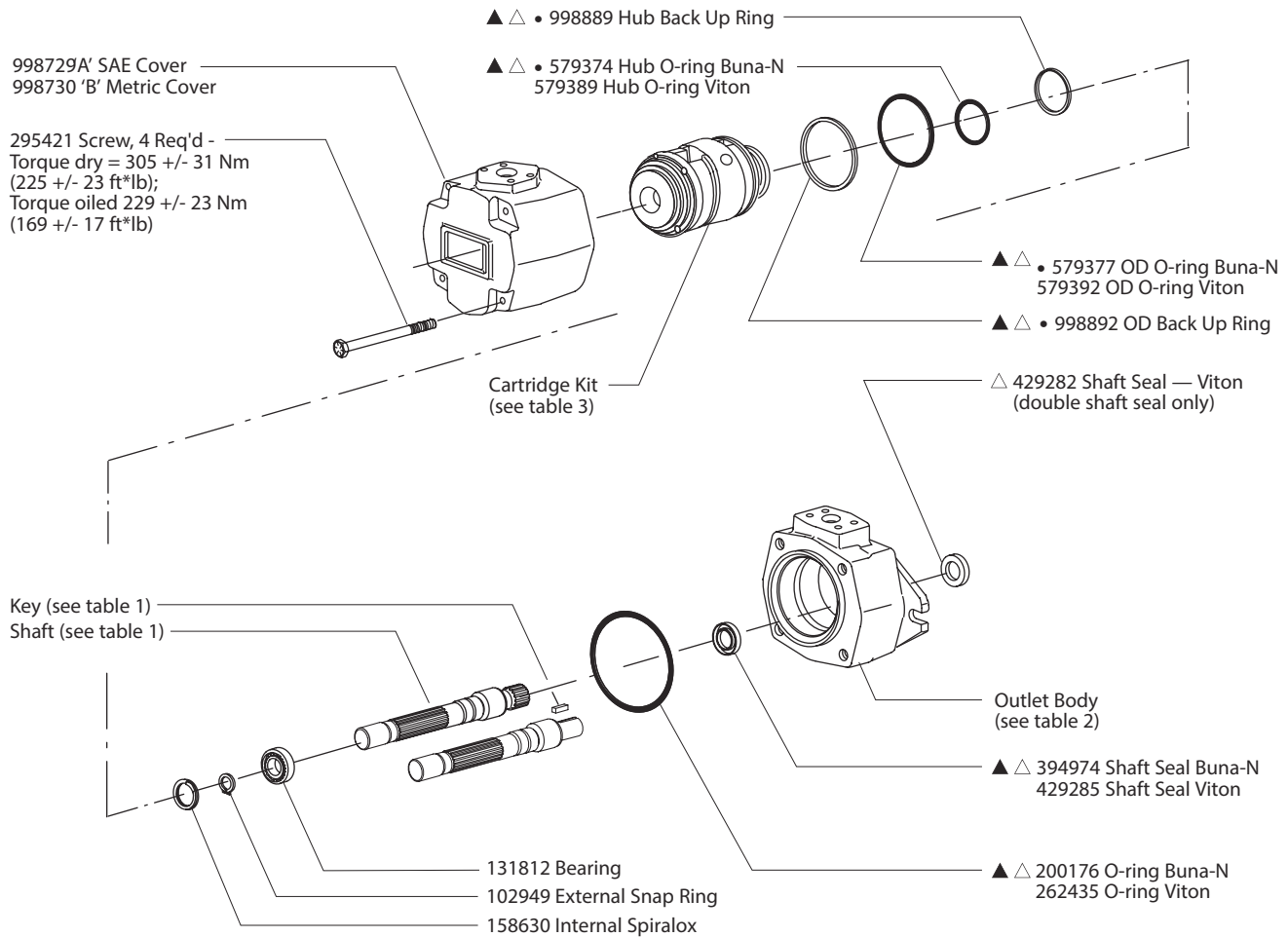
Parts and Service Manual

AX438767387857en-000101

VMQ135S Series
– 32 Design



VICKERS®



Note Lubricate all parts and seals with a thin coat of oil at assembly.

- Included in Cartridge Kit (see table)
- ▲ Included in 02-334554 STD Seal Kit, Single Shaft Seal or 02-334555 Viton Seal Kit, Single Shaft Seal.
- △ Included in 02-334637 STD Seal Kit, Double Shaft Seal or 02-334638 Viton Seal Kit, Double Shaft Seal.
- * See Table X1 and X2 for Kit Rotation Information

TABLE X1

Cartridge Kit Rotation for Right Hand Rotation Pump

R= Right Hand Rotation		L=Left Hand Rotation	
PUMP ROTATION	SHAFT END KIT ROTATION	CENTER KIT ROTATION	COVER END KIT ROTATION
Single & Thru (R)	(R)	-	-

- *Notes:
- A right hand rotation pump has the shaft turning clockwise when viewed from the input shaft end
 - When ordering a right hand rotation kit, the part number will not have a suffix

TABLE X2

Cartridge Kit Rotation for Left Hand Rotation Pump

R= Right Hand Rotation		L=Left Hand Rotation	
PUMP ROTATION	SHAFT END KIT ROTATION	CENTER KIT ROTATION	COVER END KIT ROTATION
Single & Thru (L)	(L)	-	-

- *Notes:
- A left hand rotation pump has the shaft turning counterclockwise when viewed from the input shaft end
 - When ordering a left hand rotation kit, the part number will have a suffix of '-L'

TABLE 1

MODEL CODE	SHAFT	KEY
VMQ135S-*****-01	933029	928541
VMQ135S-*****-02	933030	—
VMQ135S-*****-03	933031	928546
VMQ135S-*****-04	933032	928564
VMQ135S-*****-05	933033	928542
VMQ135S-*****-06	933034	—
VMQ135S-*****-07	933035	928547
VMQ135S-*****-08	933036	928565

TABLE 2

OUTLET BODY

Flange Mounting Style	Single Shaft Seal Inch Port Threads	Single Shaft Seal Metric Port Threads	Double Shaft Seal Inch Port Threads	Double Shaft Seal Metric Port Threads
SAE C	998732	998734	998733	998735
ISO 125	—	998736	—	998737

TABLE 3

MODEL CODE	* • CARTRIDGE KIT (BUNA-N)	* • CARTRIDGE KIT (VITON)
VMQ135*090	02-346986	02-346987
VMQ135*100	02-346984	02-346985
VMQ135*112	02-346982	02-346983
VMQ135*125	02-346980	02-346981
VMQ135*135	02-346978	02-346979
VMQ135*140	02-348374	02-348376
VMQ135*158	02-348181	02-348180

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VMQ1 ** * *** * * ** ** * * * * * 00 * 0 32

* Verify shaft torque ratings meet or exceed input torque requirements

Products we offer:

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- DCV directional control valves
- Electric converters
- Electric machines
- Electric motors
- Gear motors
- Gear pumps
- Hydraulic integrated circuits (HICs)
- Hydrostatic motors
- Hydrostatic pumps
- Orbital motors
- PLUS+1® controllers
- PLUS+1® displays
- PLUS+1® joysticks and pedals
- PLUS+1® operator interfaces
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- PLUS+1® software
- PLUS+1® software services, support and training
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- PVG proportional valves
- Steering components and systems
- Telematics

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