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PUMP MODEL RS3A31-BAR



GORMAN-RUPP PUMPS

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Register your new Gorman-Rupp pump online at www.grpumps.com

Valid serial number and e-mail address required.

RECORD YOUR PUMP MODEL AND SERIAL NUMBER

Please record your pump model and serial number in the spaces provided below. Your Gorman-Rupp distributor needs this information when you require parts or service.

Pump Model:

Serial Number:

PERFORMANCE CURVE – SECTION A

RECORDING MODEL AND SERIAL NUMBERS

Please record the pump model and serial number in the spaces provided below and in the separate <u>Installation/Operation Manual</u> accompanying your pump. Your Gorman-Rupp distributor needs this information when you require parts or service.

Pump Model:

Serial Number:

WARRANTY INFORMATION

The pump warranty is provided as part of Gorman-Rupp's support program for customers who operate and maintain their equipment as described in this manual and other accompanying literature. Please note that should the equipment be abused or modified to change its performance beyond the original factory specifications, the warranty will become void and any claim will be denied. For warranty information, please visit www.grpumps.com/warranty.

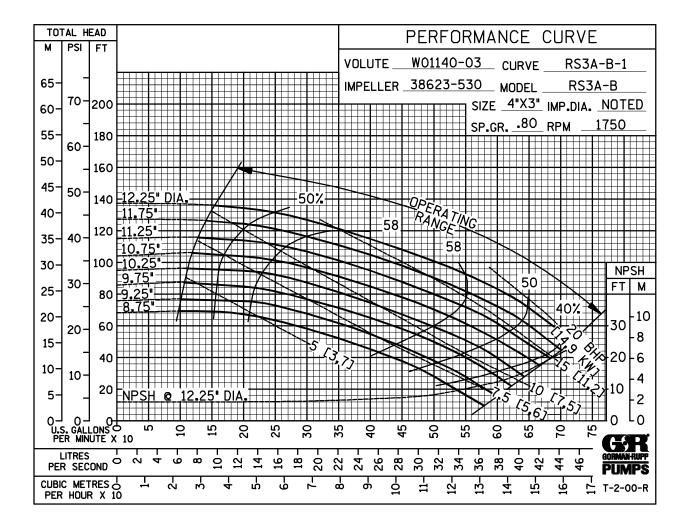
PERFORMANCE CURVE

The performance curve on the following page is based on 70°F (21°C) clear water at sea level, corrected to 0.80 specific gravity, with minimum suction lift. Since pump installations are seldom identical, your performance may be different due to such factors as viscosity, specific gravity, elevation, temperature, and impeller trim.

If your pump serial number is followed by an "N", your pump is **NOT** a standard production model. Contact the Gorman-Rupp Company to verify performance or part numbers.



Pump speed and operating condition points must be within the continuous performance range shown on the curve(s).

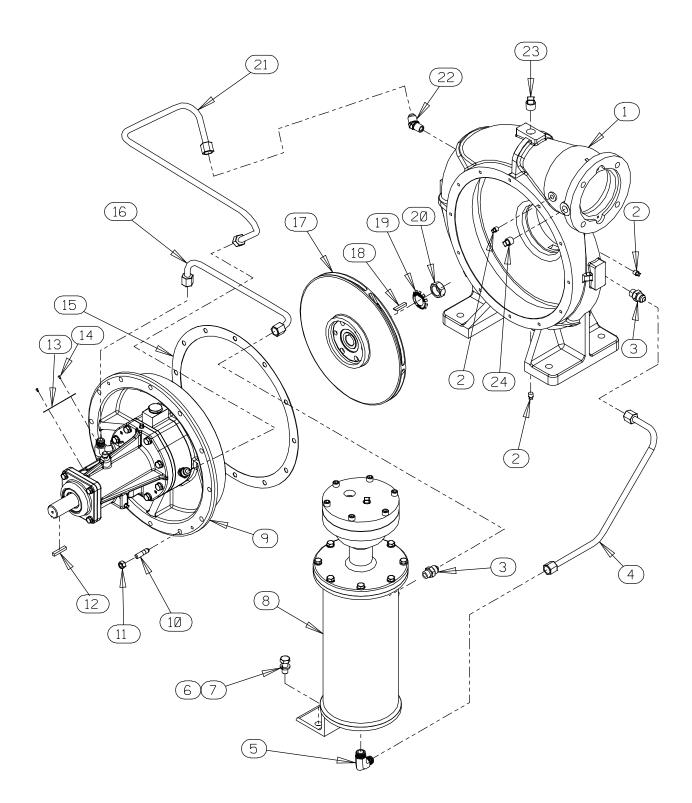


Performance Curve – Model RS3A31–BAR

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RS3A31-BAR

S/N 1610523 Up PUMP ISSUE 3



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PARTS LIST Pump Model RS3A31-BAR

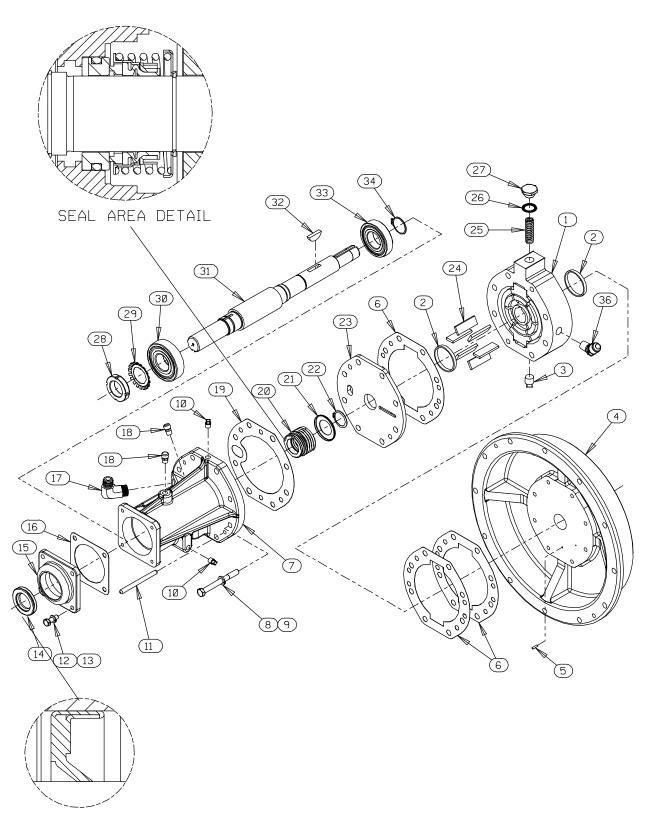
If your pump serial number is followed by an "N", your pump is **NOT** a standard production model. Contact the Gorman-Rupp Company to verify part numbers.

ITEM F NO.	PART NAME	PART NUMBER	QTY	ITEM NO.	PART NAME	PART NUMBER	QTY
□ 2 3 4 5 6 7 8 9 □ 10 11 12 * 13 14 15 * 16 *	PUMP CASING PIPE PLUG CONNECTOR RETURN TUBE ASSY MALE ELBOW HEX HEAD CAP SCREW LOCK WASHER AIR REL VALVE ASSY BEARING HSG ASSY STUD HEX NUT DRIVE KEY NAMEPLATE DRIVE SCREW BODY COVER GASKET DISCHARGE TUBE ASSY IMPELLER IMPELLER	SEE NOTE BELOW P02 15079 25812–214 46335–075 25812–011 B0805 15991 J08 15991 GRP33–08A 44143–041 C0606 15991 D06 15991 N0406 15990 2613DZ 13990 BM#04–03 17000 N14146 19060 46335–074 38623–530 13048 N0403 15990	1 3 2 1 1 2 2 1 1 2 1 1 2 1 1 2 1 1 1 1		LOCK WASHER IMPELLER NUT PRIMING TUBE MALE ELBOW PIPE PLUG PIPE PLUG SHOWN: * CHK VALVE BODY GSKT * SUCT COVER GASKET G-R DECAL SUCTION STICKER ROTATION DECAL LUBRICATION DECAL INSTRUCTION TAG DISCHARGE STICKER BEARING TAG ONAL: COMPANION FLANGE KIT	23962-519 K75776 15111 46335-085 25812-161 P08 15079 P06 15079 11589GA 19060 N14147 19060 GR-03 6588AG 2613M 38816-081 38817-011 6588BJ 6588ABB	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

* INDICATES PARTS RECOMMENDED FOR STOCK

- ☆ ALL ROTO-PRIME[®] IMPELLERS ARE TRIMMED AND INCLUDE WEAR RINGS AND GROOVE PINS. WEAR RINGS ARE NOT SOLD SEPARATELY.
- SEE ACCOMPANYING LITERATURE FOR INDIVIDUAL PARTS, MAINTENANCE AND REPAIR.
- INCLUDED WITH REPAIR 46474-334 1 PUMP CASING ASSY

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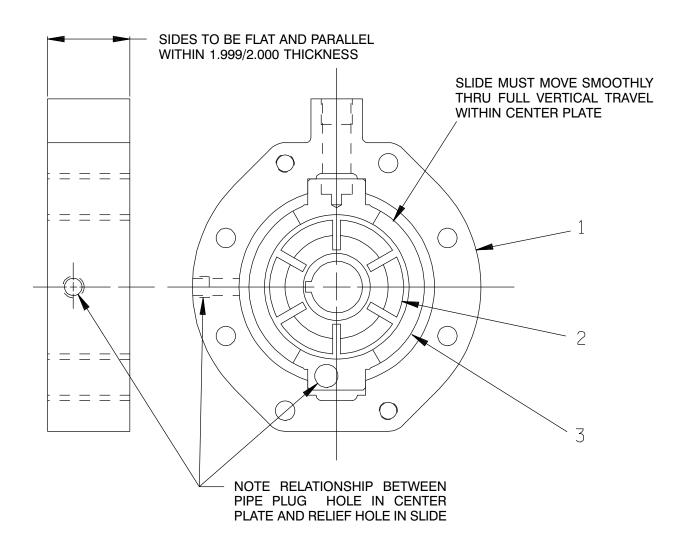
PARTS LIST					
44143–041 Bearing Housing Assembly					

item part No.	Γ NAME	PART (NUMBER	ΩTY	item pa No.	RT NAME	PART NUMBER	QTY
2 BLA 3 PIPE 4 BOU 5 * LOO 7 6 * CEN 7 BEA 8 LOO 9 HEX 10 PIPE 11 DOV 12 LOO 13 HEX 14 * OIL 15 BEA 16 * BRO 17 MAL 18 AIR 19 * SPA 20 * MEO 21 SPF 22 SNA	AOUP GRIND ADE SPACER PE PLUG DY COVER L.H. CATING PIN INTER PLATE GSKT ARING HOUSING CK WASHER X HEAD CAP SCREW PE PLUG WEL PIN CK WASHER X HEAD CAP SCREW SEAL ARING HOUSING CAP G HSG CAP GSKT ILE ELBOW A VENT ACER PLATE GSKT CH SEAL 1–1/4 RING HOLDER AP RING ACER PLATE	42212-012 K74031 15030 P06 15079 T02985B-01 11010 21154-666 N14145 18010 T02990 11010 J06 15991 B0615 15991 B0504 15991 B0504 15991 25227-230 N14130 10010 K74033 18000 25812-011 S2162 N14144 18000 25271-192 25273-266 S700 N14129 11010	1 2 1 1 1 3 1 8 8 2 2 4 4 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	24 * 25 × 26 * 27 28 29 * 30 * 31 * 32 * 33 * 34 35 OPTION	ROTOR BLADE PRESS REG SPRING RING GASKET SPRING CAP BEARING LOCK NUT LOCK WASHER BALL BEARING IMPELLER SHAFT WOODRUFF KEY BALL BEARING SNAP RING MALE ELBOW JAL: SST IMPELLER SHAFT TEFLON SEAL ASSY OIL LUBE BEARING HOUSING ASSEMBLY - INBOARD BEARING - OUTBOARD BEARING - OIL CUP GROUP GRIND WITH C.I. ROTOR	K79300-21 K74119 K86067 K68064 15991 S301 S302 23282-008 R10123 15010 K74041 15590 23257-012 S248 25812-161 R10769 17080 25271-743 44143-103 S310 23275-008 26713-051 LK05267	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

* INDICATES PARTS RECOMMENDED FOR STOCK

- † 2 GASKETS REQUIRED ON ONE FACE ONLY WHEN ROTOR OR SLIDE IS THICKER THAN CENTER PLATE.
- ALL OTHER COMPONENTS SAME AS STANDARD BEARING HOUSING ASSEMBLY.

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PARTS LIST 42212–012 Group Grind

ITEM NO.	PART NAME	PART NUMBER	QTY
1	CENTER PLATE	NOT AVAILABLE	1
2	ROTOR	NOT AVAILABLE	1
3	SLIDE	NOT AVAILABLE	1

NOTE: THE GROUP GRIND MUST BE REPLACED AS A COMPLETE UNIT: INDIVIDUAL PIECE PARTS ARE NOT SOLD SEPARATELY.

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For Warranty Information, Please Visit www.grpumps.com/warranty or call: U.S.: 419-755-1280 Canada: 519-631-2870 International: +1-419-755-1352