

C D F S W

Basic Pump



Self Priming Centrifugal Pump

Model U6A60S-B

Size 6" x 6"



PUMP SPECIFICATIONS

- Size:** 6" (152 mm) Flange Suction x 6" (152 mm) NPT Female Discharge.
 - Casing:** Gray Iron No. 30.
Maximum Operating Pressure 123 psi (848 kPa).*
 - Semi-Open Type, Five Vane Impeller:** Ductile Iron 65-45-12.
Handles 1 1/4" (31,7 mm) Diameter Spherical Solids.
 - Impeller Shaft:** Alloy Steel No. 4150.
 - Replaceable Wear Plate:** Gray Iron No. 30.
 - Removable Adjustable Cover Plate:** Gray Iron No. 30; 80 lbs. (36 kg).
 - Suction Extension Pipe:** Schedule 40 Steel ^{w/}Gray Iron Flange.
 - Bearing Housing:** Gray Iron No. 30.
 - Seal Plate:** Gray Iron No. 30.
 - Shaft Sleeve:** Alloy Steel No. 4130.
 - Radial and Thrust Bearings:** Open Double Row Ball.
 - Bearing and Seal Cavity Lubrication:** SAE No. 30 Non-Detergent Oil.
 - Flanges:** 125# Gray Iron No. 30.
 - Gaskets:** Cork, Rubber, PTFE and Buna-N ^{w/}Compressed Synthetic Fibers.
 - O-Rings:** Buna-N.
 - Hardware:** Standard Plated Steel.
 - Brass Pressure Relief Valve.**
 - Victaulic® Suction Coupling.**
 - Bearing and Seal Cavity Oil Level Sight Gauges.**
 - Optional Equipment:** Stainless Steel No. 316 Pressure Relief Valve. G-R Hard Iron Impeller, Seal Plate and Wear Plate. Automatic Air Release Valve. 120V/240V Casing Heater. High Pump Temperature Shutdown Kit. Permalon, Kalrez or Fluorocarbon Metal Bellow Seals. Stainless Steel Cartridge Seal.
 - 6" ASA Gray Iron No. 30 Discharge Spool Flange:
(Specify Model U6A60S-B /F).
 - 150 mm DIN 2527 (PN 16) Gray Iron No. 30 Suction and Discharge Spool Flanges: (Specify Model U6A60S-B /FM).
- *Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.*

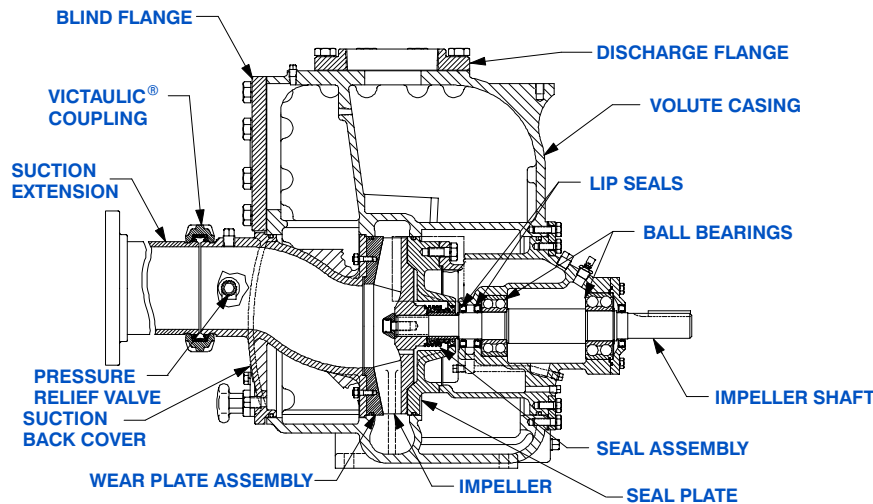


Shown w/Optional Discharge Spool Flange

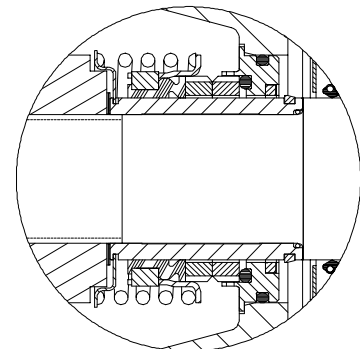
SEAL SPECIFICATIONS

Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon Carbide Rotating and Stationary Faces. Stainless Steel No. 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel No. 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*

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SEAL AREA DETAIL



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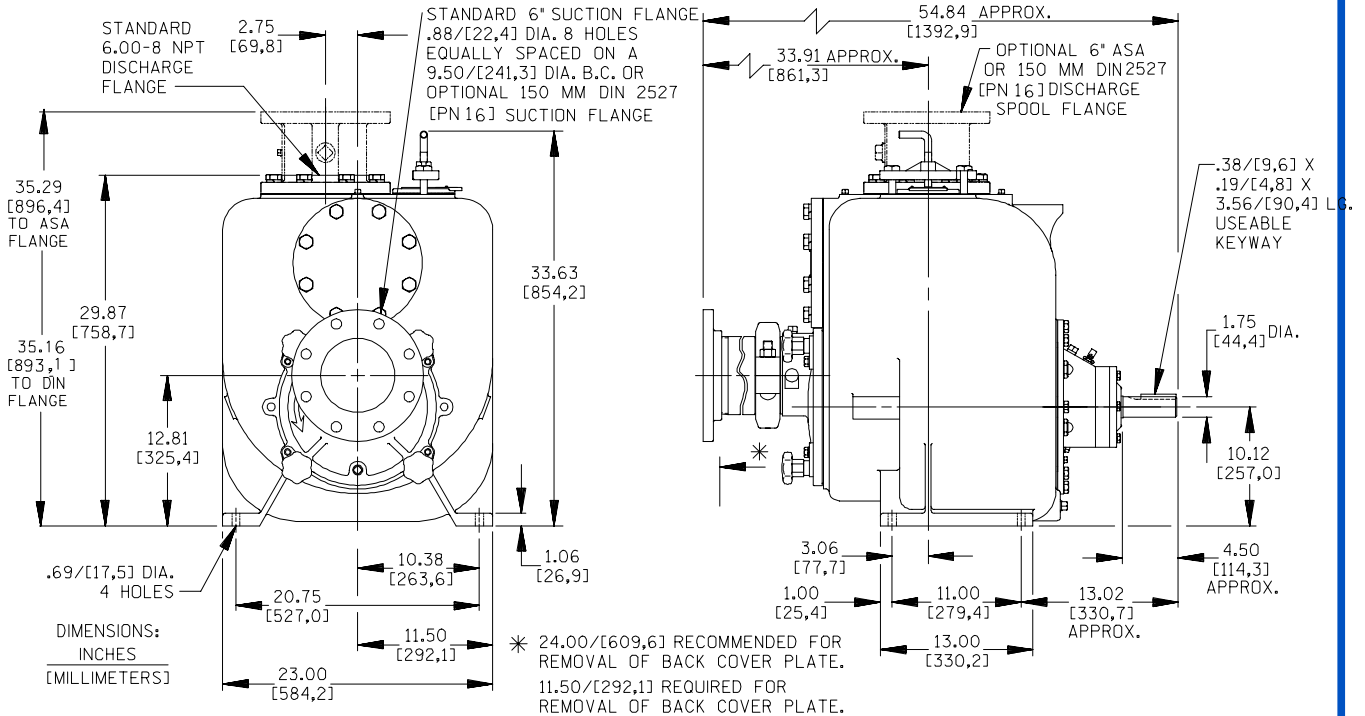
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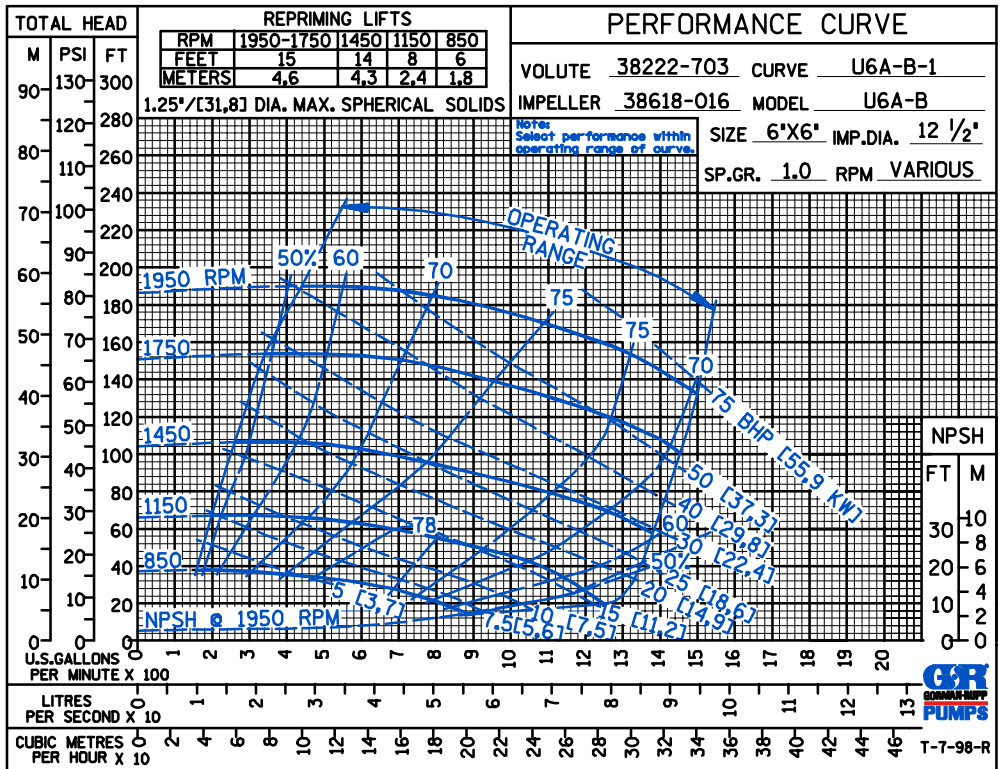
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APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 1050 LBS. (476 KG.)
SHIPPING WEIGHT: 1150 LBS. (522 KG.)
EXPORT CRATE: 32.5 CU. FT. (0,92 CU. M.)



NOTE: OPTIONAL ASA OR DIN STANDARD SPOOL FLANGES AVAILABLE



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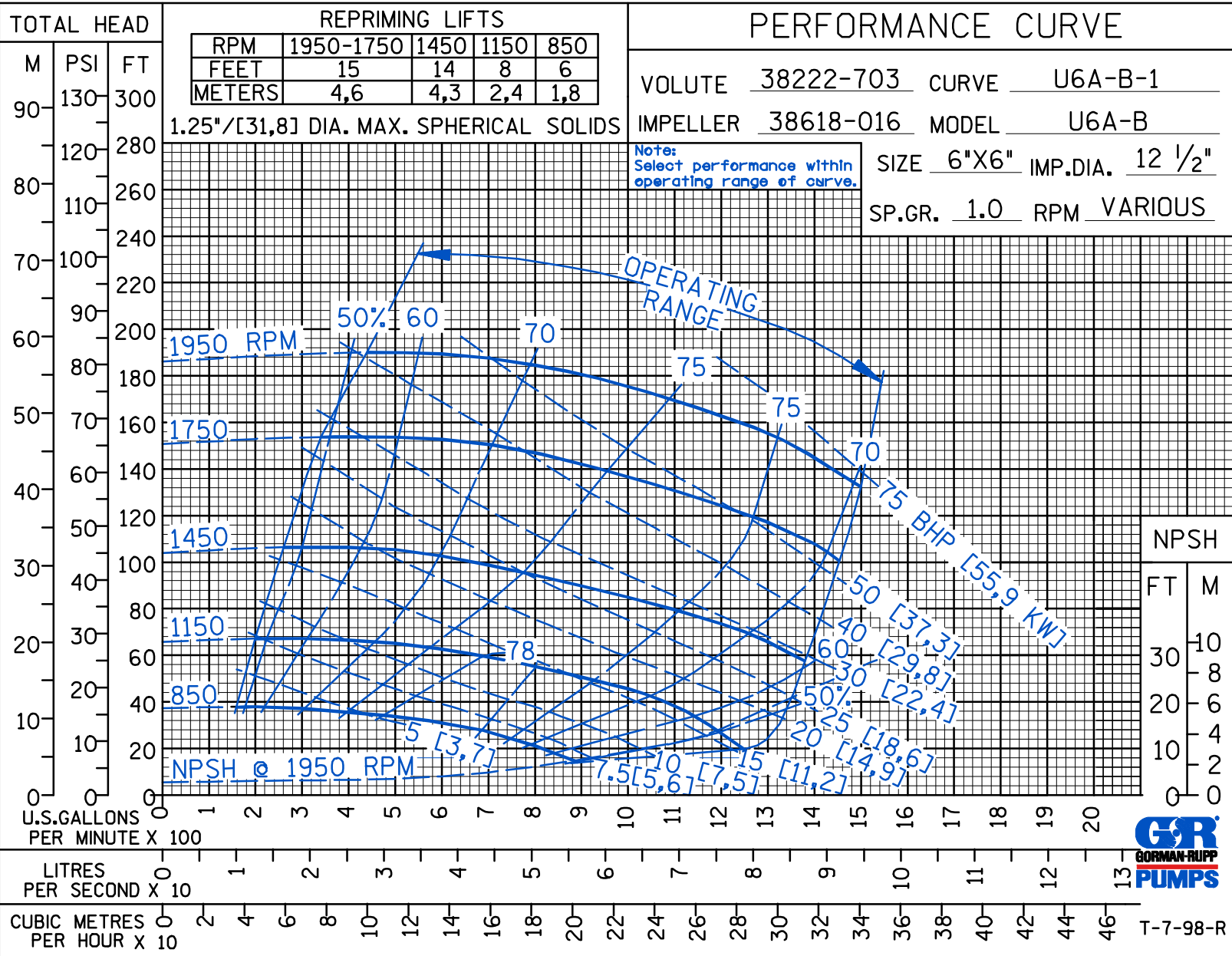
PERFORMANCE CURVE

VOLUTE 38222-703 CURVE U6A-B-1
 IMPELLER 38618-016 MODEL U6A-B
 SIZE 6"X6" IMP.DIA. 12 1/2"
 SP.GR. 1.0 RPM VARIOUS

| REPRIMING LIFTS | | | | |
|-----------------|-----------|------|------|-----|
| RPM | 1950-1750 | 1450 | 1150 | 850 |
| FEET | 15 | 14 | 8 | 6 |
| METERS | 4,6 | 4,3 | 2,4 | 1,8 |

1.25"/[31,8] DIA. MAX. SPHERICAL SOLIDS

Note:
Select performance within
operating range of curve.



NPSH
 FT M
 0 0
 10 4
 20 6
 30 8
 40 10
 50 12
 60 14
 70 16
 80 18
 90 20
 100 22
 110 24
 120 26
 130 28
 140 30
 150 32
 160 34
 170 36
 180 38
 190 40
 200 42
 210 44
 220 46
 230 48
 240 50
 250 52
 260 54
 270 56
 280 58
 290 60
 300 62
 310 64
 320 66
 330 68
 340 70
 350 72
 360 74
 370 76
 380 78
 390 80
 400 82
 410 84
 420 86
 430 88
 440 90
 450 92
 460 94
 470 96
 480 98
 490 100



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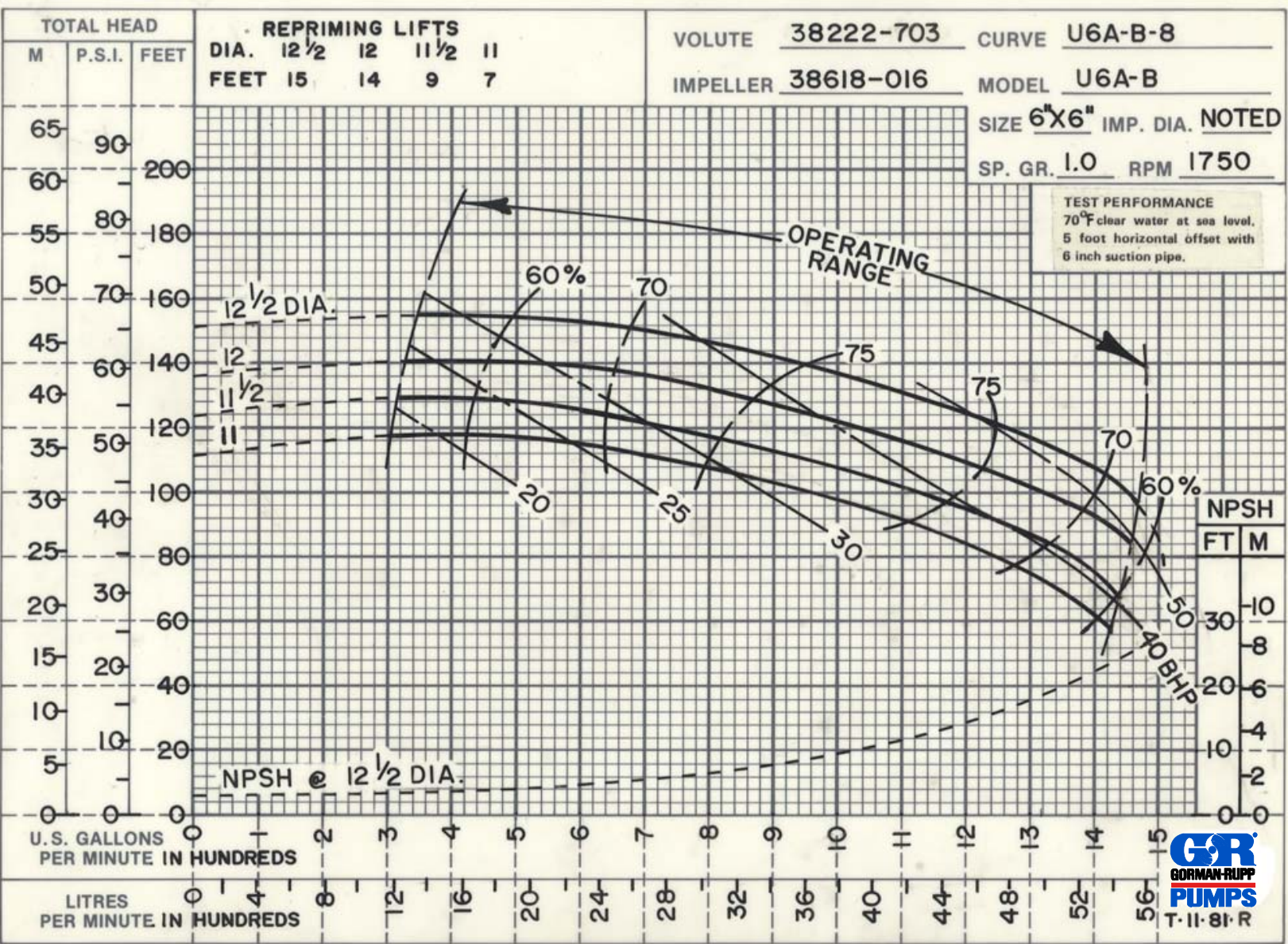
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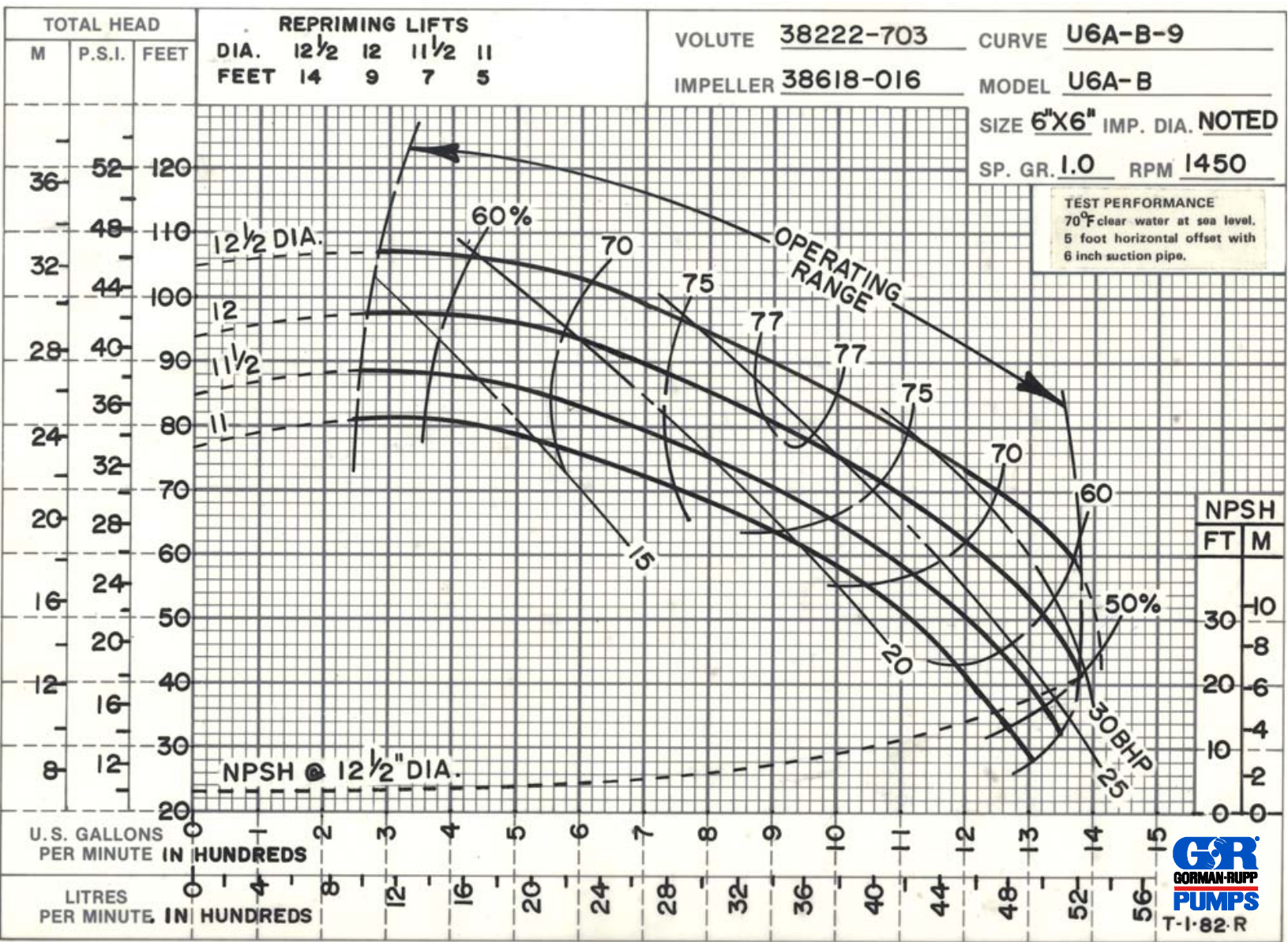


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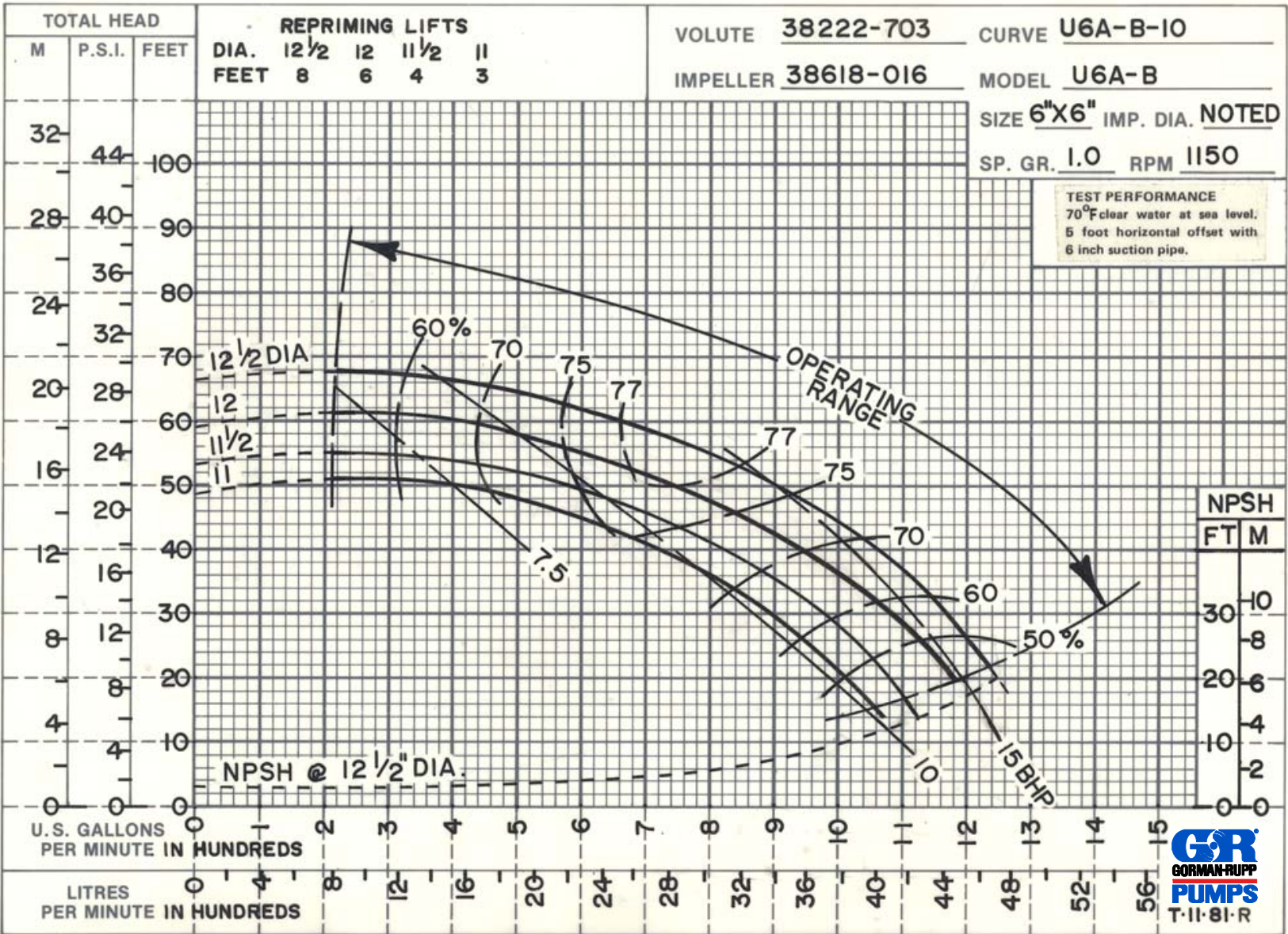


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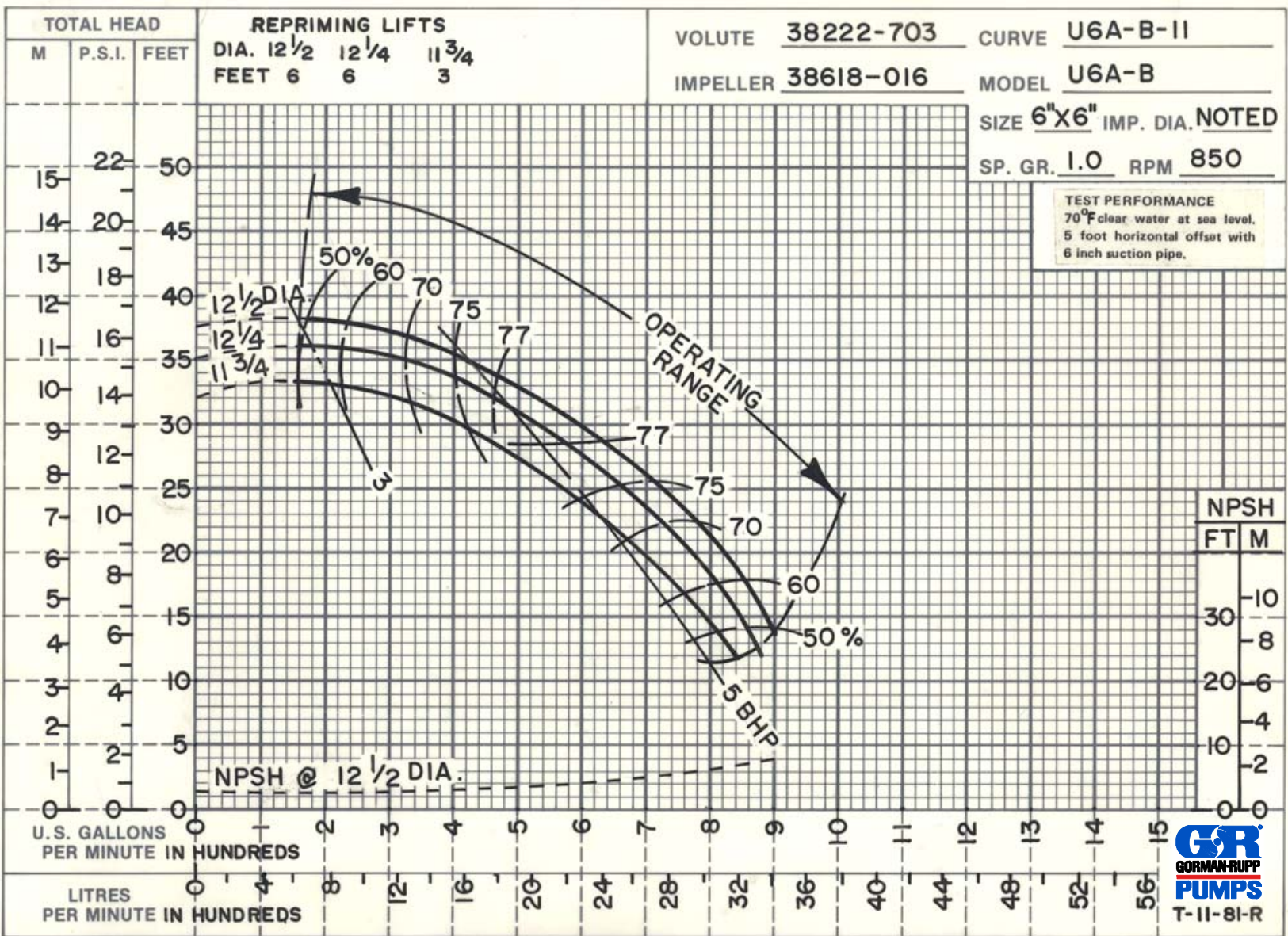
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