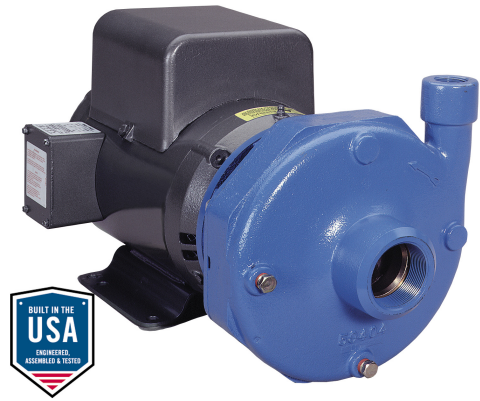


PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION
1	INLET	2IN FPT FULL PORT
2	STRAINER	2IN CAST IRON WITH STAINLESS BASKET
3	PUMP	GOULDS: 5A12G9B0 100GPM @ 40'TDH 2HP TEPE
4	SKID	CARBON STEEL WELDED SKID WITH ZINC PRIMER AND EPOXY TOP COAT
5	CONTROL PANEL	NEMA 4X ENCLOSURE MAIN POWER DISCONNECT SWITCH MAIN POWER LED INDICATOR PUMP H-O-A SWITCH PUMP RUNNING LED INDICATOR ALARM LED INDICATOR 460VAC-120VAC TRANSFORMER MOTOR CONTACTOR & OVERLOAD ADJUSTABLE DIFFERENTIAL PRESSURE SWITCH REMOTE START/STOP TERMINALS (24VDC) ALARM OUTPUT TERMINALS (DRY 3A MAX)
6	SEPARATOR	XTI-0150 FLOW RATE @ 4 PSID: 67 GPM FLOW RATE @ 12 PSID: 115 GPM
7	RECOVERY TANK	304 STAINLESS STEEL RECOVERY TANK (RT#1) WITH 25 MICRON FILTER BAG
8	DISCHARGE	1-1/2IN FPT FULL PORT

DRAWN RB	4/26/2021	<b>J.L. WINGERT CO.</b>
CHECKED		
MATERIAL		TITLE JLW 100 GPM @ 40 TDH SEPARATOR SYSTEM WITH RECOVERY TANK, BASKET STRAINER, AND ISOLATION VALVES
FINISH EPOXY COATED		SIZE      DWG NO      REV
MACHINED TOLERANCE: ± 0.005 INCHES		
FABRICATED TOLERANCE: ± 0.063 INCHES		SCALE      0.09 : 1      SHEET 1 OF 1

Customer	Date	18.02.2021
Contact	Project	
Phone number	Project no.	
Email		



## 5AI2G9B0

### Operating data

Pump type	Fluid	Water
No. of pumps / Reserve	Operating temperature t A	°F 39.2
Nominal flow US g.p.m.	pH-value at t A	7
Nominal head ft	Density at t A	lb/ft <sup>3</sup> 62.4
Static head ft	Kin. viscosity at t A	ft <sup>2</sup> /s 1.689E-5
Inlet pressure psi	Vapor pressure at t A	psi 14.5
Environmental temperature °F	Solids	0
Available system NPSH ft	Altitude	ft 0

### Pump data

Make	Goulds Water Technology	Nominal	US g.p.m.	105.4 ( 105.4 )
Speed	rpm 1800	Flow	Max-	US g.p.m. 125.5
No. of stages	1		Min-	US g.p.m.
Max. casing pressure	psi		Nominal	ft 44.4
Max. working pressure	psi 26.4	Head	at Qmax	ft 32.4
Head H(Q=0)	ft 61		at Qmin	ft 60.9
Weight	lb 151	Shaft power	hp	1.8 ( 1.8 )
	Max. inch 8 1/16	Max. shaft power	hp	
Impeller R	designed inch 7 5/8	Efficiency	%	64.25
	Min. inch 5 3/4	NPSH 3%	ft	5.8

### Shaft Seal

Type 21	Xylem
(10K13) Car/Cer/Buna [Max Temp. 212°F/100°C] (Std.)	
Rotary	Carbon
Stationary	Ceramic
Elastomers	Buna-N
Metal Parts	316 SS
Application	General Use, Clean Water to 212°F/100°C, Non-Fluctuating Temp

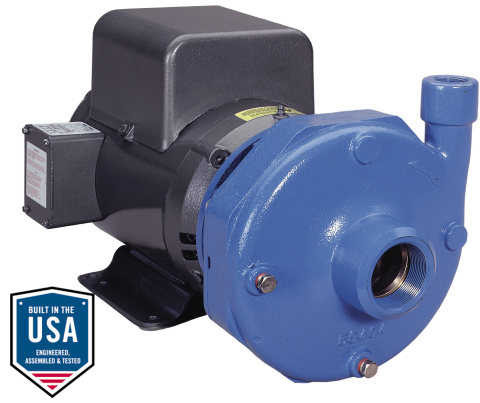
### Motor data

Specific design	3ph TEPE	Speed	1750 rpm	Insulation class	F
Electric voltage	460 V	Frame size	145JM	Colour	RAL 5010
Type	230/460V 145JM (C08A34F5BC2S)	Degree of protection	IP 55		
Rated power	2 hp	Electric current	2.9 A		

### Remarks:

Customer	Date	18.02.2021
Contact	Project	
Phone number	Project no.	
Email		

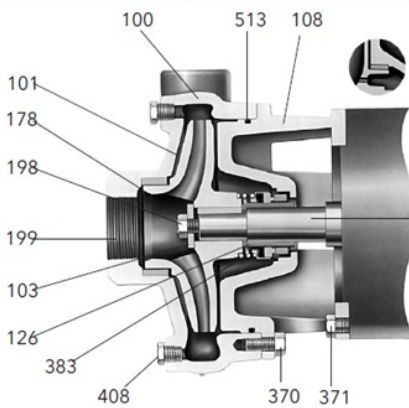
## 5AI2G9B0



### Pump Materials

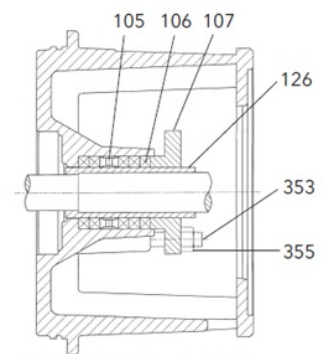
100 - Casing	Gray cast iron ASTM A48 CL20B
101 - Impeller	Gray cast iron ASTM A48 CL20B
103 - Casing wear ring	Gray cast iron ASTM A48 CL20B
108 - Adapter	Gray cast iron ASTM A48 CL20B
184 - Seal housing (One piece with adapter)	Gray cast iron ASTM A48 CL20B
198 - Impeller bolt	AISI Type 300 series stainless steel
199 - Impeller washer	AISI Type 300 series stainless steel
178 - Impeller key	Carbon Steel
370 - Hex head cap screw (adapter to case)	Steel SAE 1200 Grade 5
371 - Hex head cap screw (adapter to motor)	Steel SAE 1200 Grade 5
383 - Mechanical seal	See seal chart
408 - Pipe plug 1/4" or 3/8"	Steel
513 - O-ring	BUNA-N

### 3656 S-GROUP MATERIALS OF CONSTRUCTION MATERIALES DE CONSTRUCCIÓN - GRUPO S, MODELO 3756



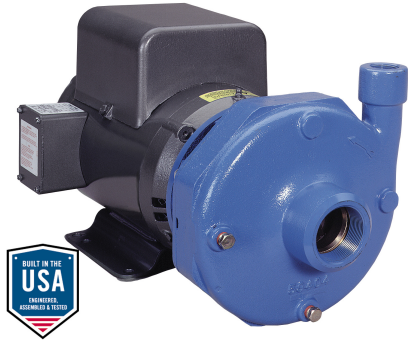
Back wearing ring on S-Group  
(2½ x 3 - 7) only  
*Anillo de desgaste posterior en el  
Grupo S (2½ x 3 - 7) únicamente.*

AISI 1045 steel motor shaft  
extension (typical)  
*Extensión del eje del motor  
de acero AISI 1045 (típico)*



Packed Box Arrangement  
*Caja prensaestopas*

Remarks:



Customer	Date	18.02.2021
Contact	Project	
Phone number	Project no.	
Email		

## 5A2G9B0

### Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	100 US g.p.m.	Flow	105 US g.p.m.	Impeller R	7 5/8 inch
Head	40 ft	Head	44.4 ft	Frequency	60 Hz
Static head	0 ft			Speed	1800 rpm

Power data referred to:  
 Water [100%] ; 39.2°F; 62.4lb/ft<sup>3</sup>; 1.69E-5ft<sup>2</sup>/s  
 Performance according to ISO 9906:2012 – Grade 3B

