

PARTS LIST		
KEY	ITEM	DESCRIPTION
1	INLET	6IN 125# FF FLANGE
2	STRAINER	6IN CAST IRON BASKET STRAINER WITH STAINLESS STEEL BASKET
3	PUMP	GOULDS: 15A12P9G0 1200 GPM @ 40'TDH 25HP TEPE
4	SKID	EPOXY COATED CARBON STEEL
5	CONTROL PANEL	NEMA 4X ENCLOSURE MAIN POWER DISCONNECT MAIN POWER LED INDICATOR PUMP H-O-A SWITCH PUMP RUNNING LED INDICATOR PURGE H-O-A SWITCH SYSTEM PURGING LED INDICATOR ALARM LED INDICATOR 460VAC TO 120VAC TRANSFORMER PUMP CONTACTOR AND OVERLOAD PROGRAMMABLE PURGE CONTROLLER REMOTE START/STOP TERMINALS (24VDC) REMOTE PURGE TERMINALS (24VDC) WIRED FOR 460VAC/3Ph/60Hz
6	SEPARATOR	XFD-0600 FLOW AT 4 PSID: 800 GPM FLOW AT 12 PSID: 1,385 GPM
7	PURGE	1-1/2" FPT MOTORIZE PURGE VALVE
8	DISCHARGE	6IN 150# RF FLANGE
DRAWN RB CHECKED		1/29/2021
MATERIAL		
FINISH EPOXY PAINT MACHINED TOLERANCE: $\pm 0.005$ INCHES FABRICATED TOLERANCE: $\pm 0.063$ INCHES		
TITLE		<b>J.L. WINGERT CO.</b>
TITLE		JLW 1200 GPM @ 40' TDH SEPARATOR SYSTEM
SIZE	DWG NO	REV
	CT-1200-40-MPK/BS - Submittal	
SCALE	.1:1	SHEET 1 OF 1



Customer	Date	29.01.2021
Contact	Project	
Phone number	Project no.	
Email		

# 15A12P9G0

## Operating data

Pump type	Fluid	Water
No. of pumps / Reserve	Operating temperature t A	°F 39.2
Nominal flow	pH-value at t A	7
Nominal head	Density at t A	lb/ft <sup>3</sup> 62.4
Static head	Kin. viscosity at t A	ft <sup>2</sup> /s 1.69E-5
Inlet pressure	Vapor pressure at t A	psi 14.5
Environmental temperature	Solids	0
Available system NPSH	Altitude	ft 0

## Pump data

Make	Goulds Water Technology	Nominal	US g.p.m. 1216.5 (1216.5)
Speed	rpm 1800	Flow	Max- US g.p.m. 1219.9
No. of stages	1		Min- US g.p.m.
Max. casing pressure	psi		Nominal ft 41.1
Max. working pressure	psi 55	Head	at Qmax ft 40.1
Head H(Q=0)	ft 130		at Qmin ft 126.9
Weight	lb 991	Shaft power	hp 21.8 (21.8)
	Max. inch 13 1/16	Max. shaft power	hp 28.6
Impeller R	designed inch 10 7/8	Efficiency	% 58.02
	Min. inch 9 3/8	NPSH 3%	ft 20.7

## Shaft Seal

Type 21	Xylem
Car/Cer/Buna (Std.) [Max Temp. 212°F/100°C]	
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	284JM	Colour	RAL 5010
Type	230/460V 284JM (C15A34F5BL2S)	Degree of protection	IP 55		
Rated power	25 hp	Electric current	30 A		

## Remarks:

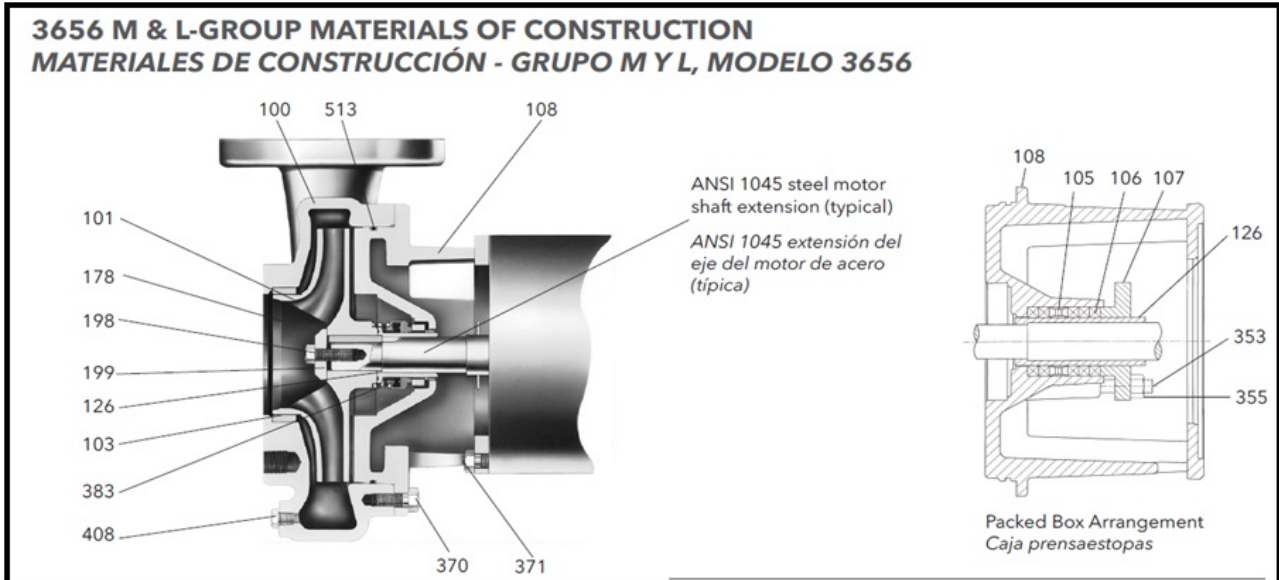


Customer	Date	29.01.2021
Contact	Project	
Phone number	Project no.	
Email		

# 15AI2P9G0

## 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
178 - Impeller key	Carbon Steel
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
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



Remarks:



Customer	Date	29.01.2021
Contact	Project	
Phone number	Project no.	
Email		

## 15A2P9G0

### Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	1200 US g.p.m.	Flow	1220 US g.p.m.	Impeller R	10 <sup>7</sup> / <sub>8</sub> "
Head	40 ft	Head	41.1 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

