

## Booster Check - Qualification Form

\* Mandatory fields are highlighted as red boxes

\*\* Fill out ONE form per Booster Package

### Job Information

CRM #	Date	Facility Type*	If Other, which?
<b>Customer</b>			
Client Name	Property Management /Ownership		Facility Name
Contact Name	Title	Phone Number	Email
<b>Address</b>			
Street *	City *	Province/State *	Postal Code *
Country			

### Facility Information

No. of Floors *	Floor Height (ft) *	Location of the pumps *	
No. Suites in the building *	Current Building Occupancy *		
<b>WATER SUPPLY DESIGN</b>			
Is there a Low Zone?	# floors in Low Zone	How is Low Zone fed?	Back-Flow Preventer installed? *
What floors are fed by the existing booster?	From *	To floor # *	
Is there any Branch from the booster? *	If Yes, what is it for?	Where is the branch located?	Estimated consumption of the branch (%) over the total
Is there a cooling tower fed by the booster? *	Is there another application fed by the booster?		If yes, which?
Storage Tank?	Break Tank?	Sub-metered	Volume of Storage Tank (in.)    Height of Break Tank (ft)

### Existing System

Package manufacturer:	Year Built	No. of Packages (Per Building)	Number of pumps per package *
System Nameplate Flow	Units	System Nameplate Head	Units
System Voltage *			
Isolation Valves?	Diaphragm tank?	Headers diameter (in.)	

## Existing Pumps

Tag	Pump 1	Pump 2	Pump 3	Pump 4
Pump manufacturer	*			
	*			
Motor speed (RPM) Pump				
Pump model				
Motor Power (HP) *				
Running? *				
Switch Position *				
Control type? *				
VFD Speed (%)				
Annual Operation Time (%) *				

## Actual System Pressure (measurements)

Maximum allowed Pressure in piping system (psi)		Minimum Suction Pressure (psi) *	Maximum Suction Pressure
Actual Suction Pressure (psi) *	Actual Discharge pressure (psi) *		
Actual Pressure at Highest Fixture (psi):	Enough Pressure?:	Pressure Required at Highest Fixture (psi) *	

## Other Information

Is information of incentive available (rebate value/rate)?	Utility Provider:	Incentive rate (\$/kWh or \$/KW)
Energy Rate (\$/kWh) *	Energy Rate Increase (%)	Are Water Bills available? (2-5 years) *
Any Reported Problems? (e.g. Lack of pressure in high floors) *	Estimated Annual Maintenance (\$) *	Engineering Drawings (Schedule/riser) Available?
Other HVAC equipment fed by booster (Chiller, AHU, Boiler...etc)?	Can we perform an Energy Check on it-?	Owner preferred Contractor?
		Owner preferred Distributor? *

Notes:

Auditor

Submit Document =>

Date

Please follow the next steps:

- Take pictures of the actual system as indicated in the next pages

- Ask for 2 years water bills and most recent electricity bill (if available)

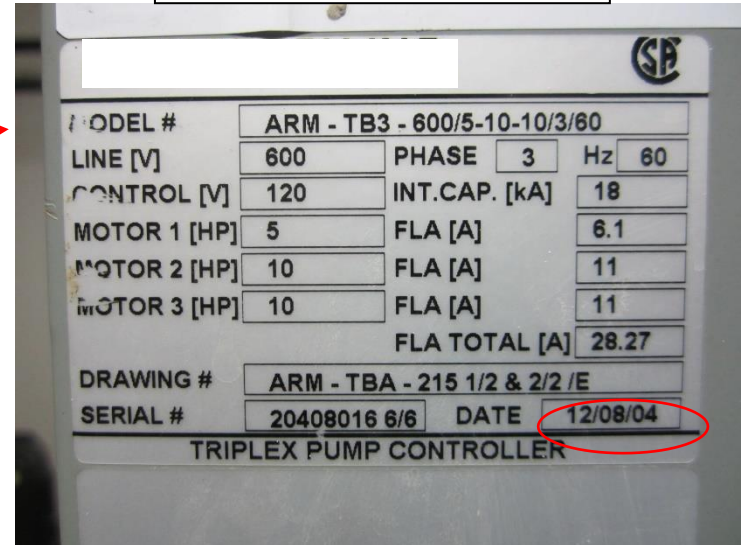
- Please review the Booster Checklist and send this form together with the pictures and bills to [EO-NA@grundfos.com](mailto:EO-NA@grundfos.com)



**OPTIMISATION & CONSULTANCY**

# **REQUIRED PICTURES**

Control Panel Nameplate



Switches Position





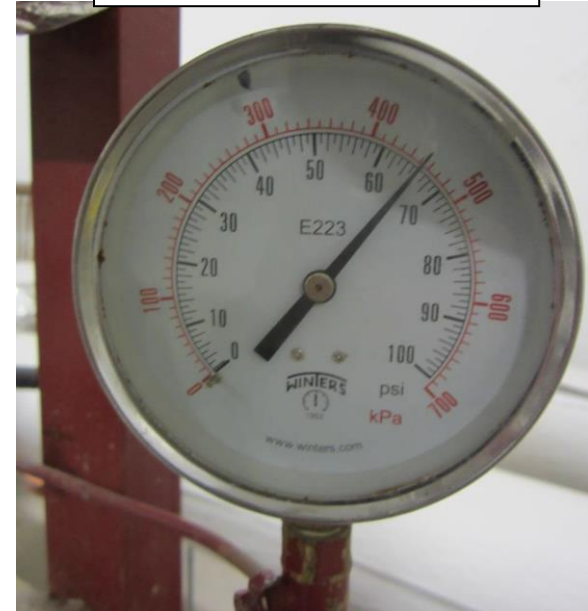
**System Nameplate**  
(Usually attached to the package frame on the control panel leg on the base frame)

ARMSTRONG DARTMOUTH			
TAG			
MODEL	GG35-100	SIZE	
SERIAL NO	71120	IMP DIA	
CAPACITY	400	GPM	92 FT.HD.
MOTOR	5-10	HP	3600 RPM

Pump Nameplate (on each pump)

MODEL NO.		CONSTRUCTION	
3x1.5x6	4280	BF-STD	
PUMP CAPACITY		SERIAL NO.	
175 US gpm	141 ft	C 504067	
MOTOR		MAX. PRES/TEMP	
10 hp	3600 rpm	psi °F	
TAG P-1B			

Suction Pressure Gauge



Motor Nameplate (on each motor)

213JM	HP(KW)	10(7.5)
RPM 3515	DUTY	CONT
575 V	60 Hz	SF 1.15
9.44 A	INSULF Δt 80 K	AMB 40C
SFA	ENCL	ODP
EFF % 88.5	PF 0.9	CODE H
		DES B

MADE IN BRAZIL

CE

CC029A  
MH010020  
4013501DP

Discharge Pressure Gauge



Booster System Picture



### **Booster Check Checklist**

**To receive proposal package within agreed lead time, please ensure the following information is included:**

- ✓ Qualification Form with all mandatory fields (red box) completed
- ✓ Legible Pictures (as per picture guide)

The following information is dependent on complexity of existing system:

- ✓ Water Bills
- ✓ Utility Bills
- ✓ Building schematics, riser diagrams

### **Audit Checklist**

**To receive proposal package within agreed lead time, please ensure the following information is included:**

- ✓ Qualification Form with all mandatory fields (red box) completed
- ✓ Legible Pictures (as per picture guide)
- ✓ Legible Audit Setup Picture, data package as per audit procedure
- ✓ Legible Audit Tear down Picture, data package as per audit procedure

The following information is dependent on complexity of existing system:

- ✓ Water Bills
- ✓ Utility Bills
- ✓ Building schematics, riser diagrams