

## 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.)	

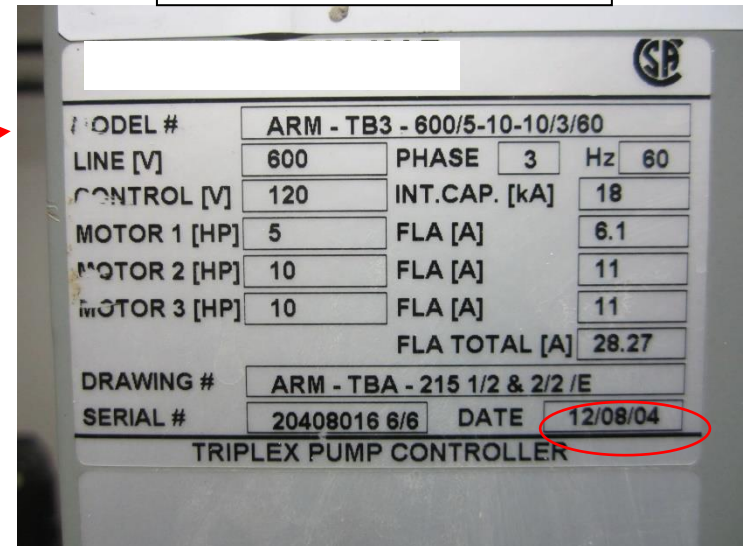
Existing Pumps				
Tag	Pump 1	Pump 2	Pump 3	Pump 4
Pump manufacturer				
	*			
	*			
Motor speed (RPM) Pump				
Pump model				
Motor Power (HP) *				
Running? *				
Switch Position *				
Control type? *				
VFD Speed (%)				
Annual Operation Time (%) *				
Actual System Pressure (measurements)				
Maximum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



OPTIMISATION & CONSULTANCY

# REQUIRED PICTURES

Control Panel Nameplate

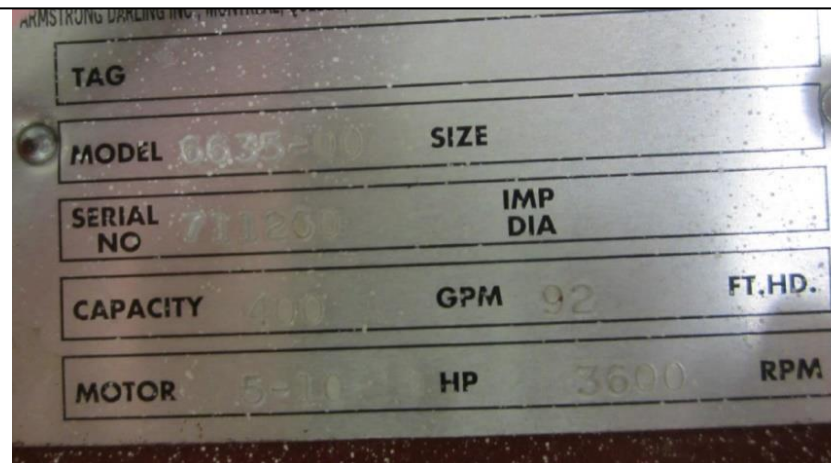


Switches Position





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

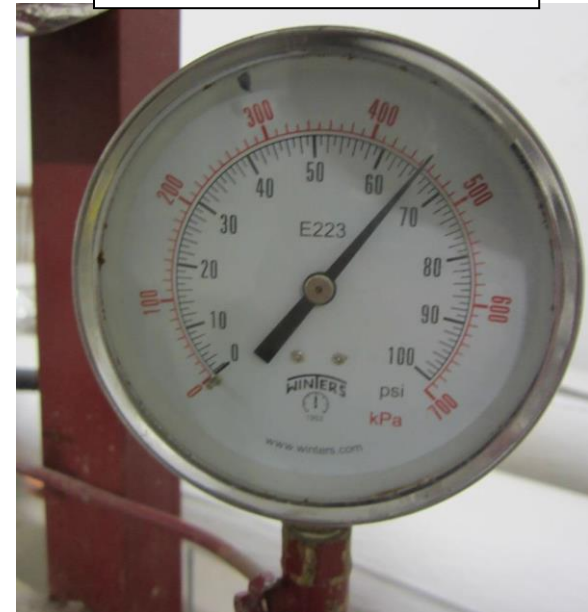




Pump Nameplate (on each pump)

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

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	INSUF Δt 80 K	AMB 40°C
SFA	ENCL	ODP
EFF % 88.5	PF 0.9	CODE H
		DES B
6 4 6 1 2 3 L1 L2 L3 Δ DELTA RUN		

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