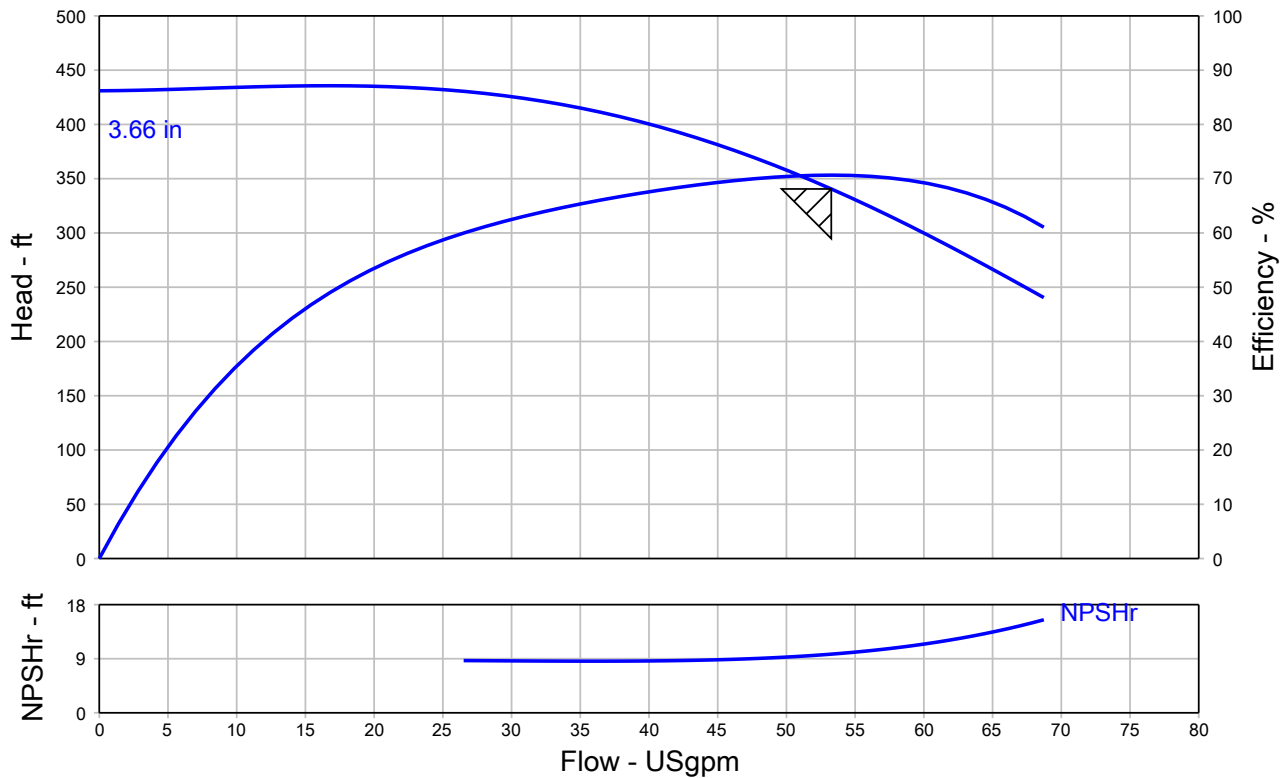


Pump Performance Datasheet

Customer :	Quote Number / ID :	1471203
Customer ref. / PO :	Model :	CR 10-9-3ph
Tag Number : 001	Stages :	9
Service :	Based on curve number :	CR 10-9_3Phase Rev June_2020
Quantity : 1	Basic model number :	-
	Date last saved :	11/28/2022 5:37 PM

Operating Conditions		Liquid	
Flow, rated	: 53.26 USgpm	Liquid type	: Cold Water
Differential head / pressure, rated (requested)	: 340.5 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 340.5 ft	Temperature, max	: 68.00 deg F
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Fluid density, rated / max	: 1.000 / 1.000 SG
NPSH available, rated	: Ample	Viscosity, rated	: 1.00 cP
Site Supply Frequency	: 60 Hz	Vapor pressure, rated	: 0.34 psi.a

Performance		Material	
Speed, rated	: 3467 rpm	Material selected	: Standard - Cast Iron / 304
Efficiency	: 70.66 %		Stainless Steel
NPSH required / margin required	: 9.76 / 0.00 ft	Pressure Data	
nq (imp. eye flow) / S (imp. eye flow)	: 32 / 89 Metric units	Maximum working pressure	: 188.5 psi.g
MCSF	: 5.33 USgpm	Maximum allowable working pressure	: N/A
Head, maximum, rated diameter	: 435.7 ft	Maximum allowable suction pressure	: N/A
Head rise to shutoff	: 26.56 %	Hydrostatic test pressure	: N/A
Flow, best eff. point	: 53.26 USgpm	Driver & Power Data (@Max density)	
Flow ratio, rated / BEP	: 100.00 %	Motor sizing specification	: Max power (non-overloading)
Diameter ratio (rated / max)	: 100.00 %	Margin over specification	: 0.00 %
Head ratio (rated dia / max dia)	: 100.00 %	Service factor	: 1.15 (used)
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00	Power, hydraulic	: 4.58 hp
Selection status	: Acceptable	Rated power (based on duty point)	: 6.48 hp
Energy Indexes		Max power (non-overloading)	: 6.83 hp
PEI (CL)	: 0.87	Motor rating	: 7.50 hp / 5.59 kW (Fixed)
ER (CL)	: 13	KVA Code	: -
		Rated Current new	: 19.2 - 17.3 / 8.67 A



Grundfos Series CR - Multi-stage, Vertical In-Line Pump

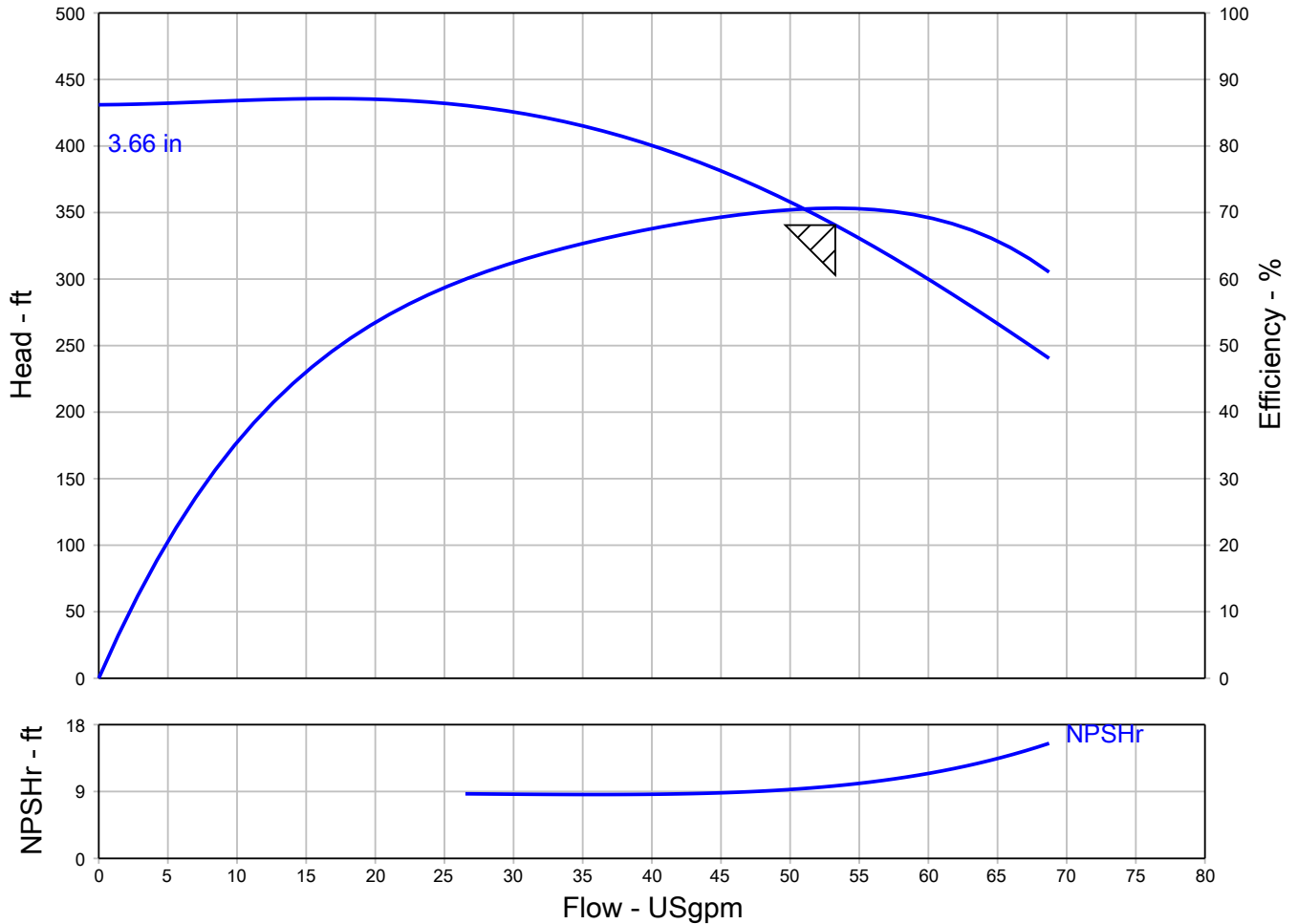
QUOTE NUMBER / ID 1471203	UNIT TAG 001	QUANTITY 1
REPRESENTATIVE	SERVICE	DATE
ENGINEER	SUBMITTED BY	DATE
CONTRACTOR	APPROVED BY	DATE
	ORDER #	DATE



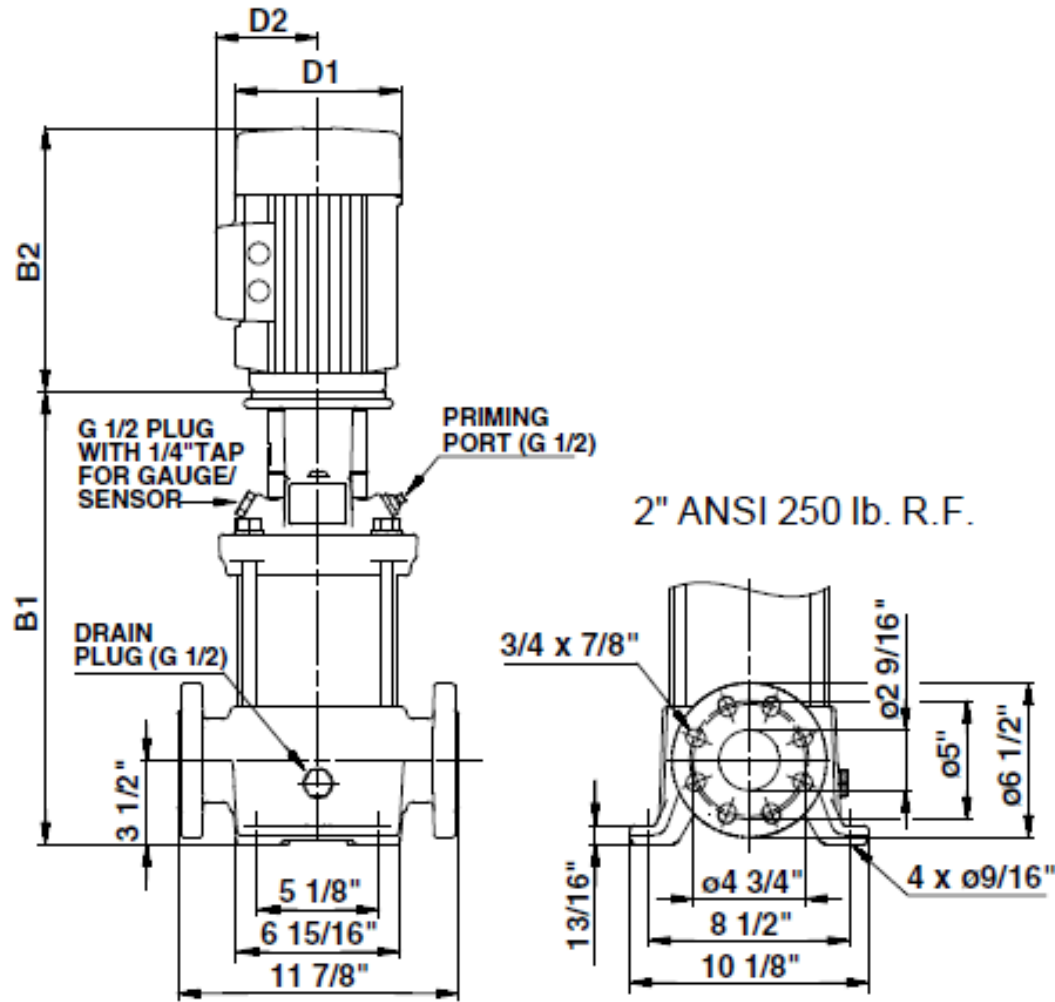
CR 10-9-3ph
3467 rpm

Part Number 99917198

Conditions of Service		Pump Data		Motor Data	
Flow	53.26 USgpm	Stages	9	Motor HP	7.5 HP
Head	340.5 ft	Stages Reduced	0	BHP	6.48 HP
Liquid	Cold Water	Pipe Connection	ANSI Flanged	Enclosure	TEFC
Temperature	68.00 deg F	Efficiency	70.66 %	Voltage	208-230/460 V
NPSHr	9.76 ft	Suction	2 in.	Phase	3 Phase
Viscosity	1.00 cP	Discharge	2 in.	Cycle	60
Specific Gravity	1.000 SG	Shaft Seal Type	HQQE (EPDM)		
		NSF 61 Approval	Yes		
		PEI (CL)	0.87		
		ER (CL)	13		



Grundfos Series CR - Multi-stage, Vertical In-Line Pump



TM03 1461 2205

NOT FOR CONSTRUCTION, unless certified and referenced on order

Units	B1	B1 + B2	D1	D2	Weight
inches	24.61	41.56	10.96	7.97	238.1 lbs