



Submittal Data

2900 RPM

50 Hertz



JOB or CUSTOMER:	
ENGINEER:	
CONTRACTOR:	
SUBMITTED BY:	DATE:
APPROVED BY:	DATE:
ORDER NO:	DATE:
SPECIFICATION REF:	

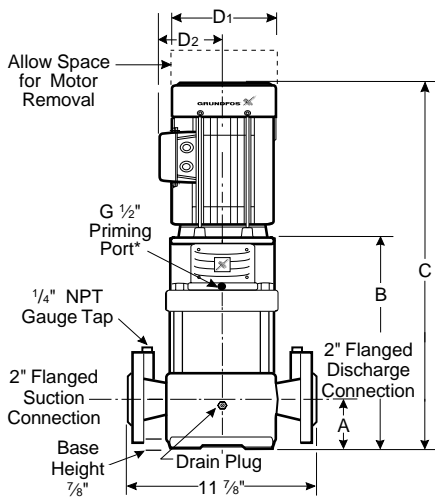
QUANTITY	TAG NO.	MODEL NO.	GPM	FEET	VOLT	PHASE	COMMENTS

"STACK"® KIT P/N:

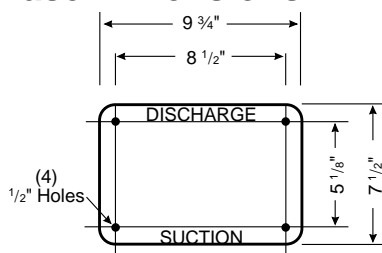
SEAL & GASKET KIT P/N:

FLANGE KIT P/N:

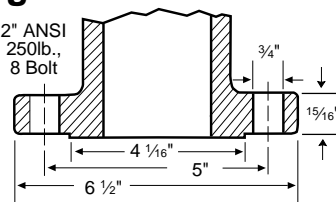
Dimensions



Base Dimensions



Flange Dimensions



Technical Data

(based on airfree water at 68°F [20°C])

MIN. DUTY FLOW RATE:

5°F to 250°F (-15°C to 120°C) = 4.0 GPM

MOTORS: IEC IP55 (TEFC)

TEMPERATURE RANGE:

5°F to 250°F (-15°C to 121°C)

FLANGES: 2" ANSI 250 lb. R.F., 8 Bolt

MAX. WORKING PRESSURE (at 250°F):

Models 20/1 - 120: 230 PSI (16 Bars)
140 - 200: 335 PSI (23 Bars)

(Consult Grundfos for maximum working pressures at lower fluid temperatures.)

MAX. INLET PRESSURE:

20/1-40: 90 PSI (6 Bars)
50-160: 145 PSI (10 Bars)

Motors are Rated

*G 1/2" is the designation for 1/2" straight British Standard Pipe Thread (BSPT).

Electrical Data, Dimensions, and Weights

Pump Type	kW	HP	PH	Voltage	Full Load Amps	IEC Flange	DIMENSIONS IN INCHES							Net Wt. (Lbs.)	Ship. Wt. (Lbs.)	Ship. Vol. (Cu. Ft.)	
							Disc. Size	Suc. Size	Motor Height	A	B	C	D ₁				D ₂
CR8-20/1	0.37	1/2	3	220-240/380-415	1.66/0.96	FT85	2	2	7 1/2	3 1/2	13 3/16	20 11/16	5 1/2	4 5/16	77	84	3.2
CR8-20	0.75	1	3	220-240/380-415	3.20/1.86	FT100	2	2	9	3 1/2	13 3/8	22 7/16	5 1/2	4 5/16	77	84	3.2
CR8-30	1.1	1 1/2	3	220-240/380-415	4.60/2.65	FT100	2	2	9	3 1/2	14 7/16	23 3/8	5 1/2	4 5/16	77	84	3.2
CR8-40	1.5	2	3	220-240/380-415	5.9/3.4	FT115	2	2	11	3 1/2	16 5/16	27 3/8	7	4 5/16	99	108	5.0
CR8-50	2.2	3	3	220-240/380-415	8.25/4.75	FT115	2	2	11	3 1/2	17 1/2	28 1/2	7	4 5/16	110	119	5.0
CR8-60	2.2	3	3	220-240/380-415	8.25/4.75	FT115	2	2	11	3 1/2	18 11/16	29 3/4	7	4 5/16	110	119	5.0
CR8-80	3	4	3	220-240/380-415	10.8/6.25	FT130	2	2	13 3/16	3 1/2	21 1/4	34 7/16	7	4 5/16	121	130	5.0
CR8-100**	4	5	3	220-240/380-415	13.8/8.0	FT130	2	2	14 1/2	3 1/2	23 5/8	38 3/16	7	5 5/16	121	144	6.3
CR8-120**	4	5	3	220-240/380-415	13.8/8.0	FT130	2	2	14 1/2	3 1/2	26	40 9/16	7	5 5/16	132	155	6.3
CR8-140**	5.5	7 1/2	3	220-240/380-415	19.0/11.0	FF265	2	2	15 5/16	3 1/2	29 1/8	44 1/2	8 11/16	5 5/16	187	210	6.3
CR8-160**	5.5	7 1/2	3	220-240/380-415	19.0/11.0	FF265	2	2	15 5/16	3 1/2	31 1/2	46 7/8	8 11/16	5 5/16	187	225	11.9
CR8-180**	7.5	10	3	220-240/380-415	26.5/15.2	FF265	2	2	15 5/16	3 1/2	33 7/8	49 3/16	8 11/16	5 5/16	198	236	11.9
CR8-200**	7.5	10	3	220-240/380-415	26.5/15.2	FF265	2	2	15 5/16	3 1/2	36 1/4	51 9/16	8 11/16	5 5/16	198	236	11.9

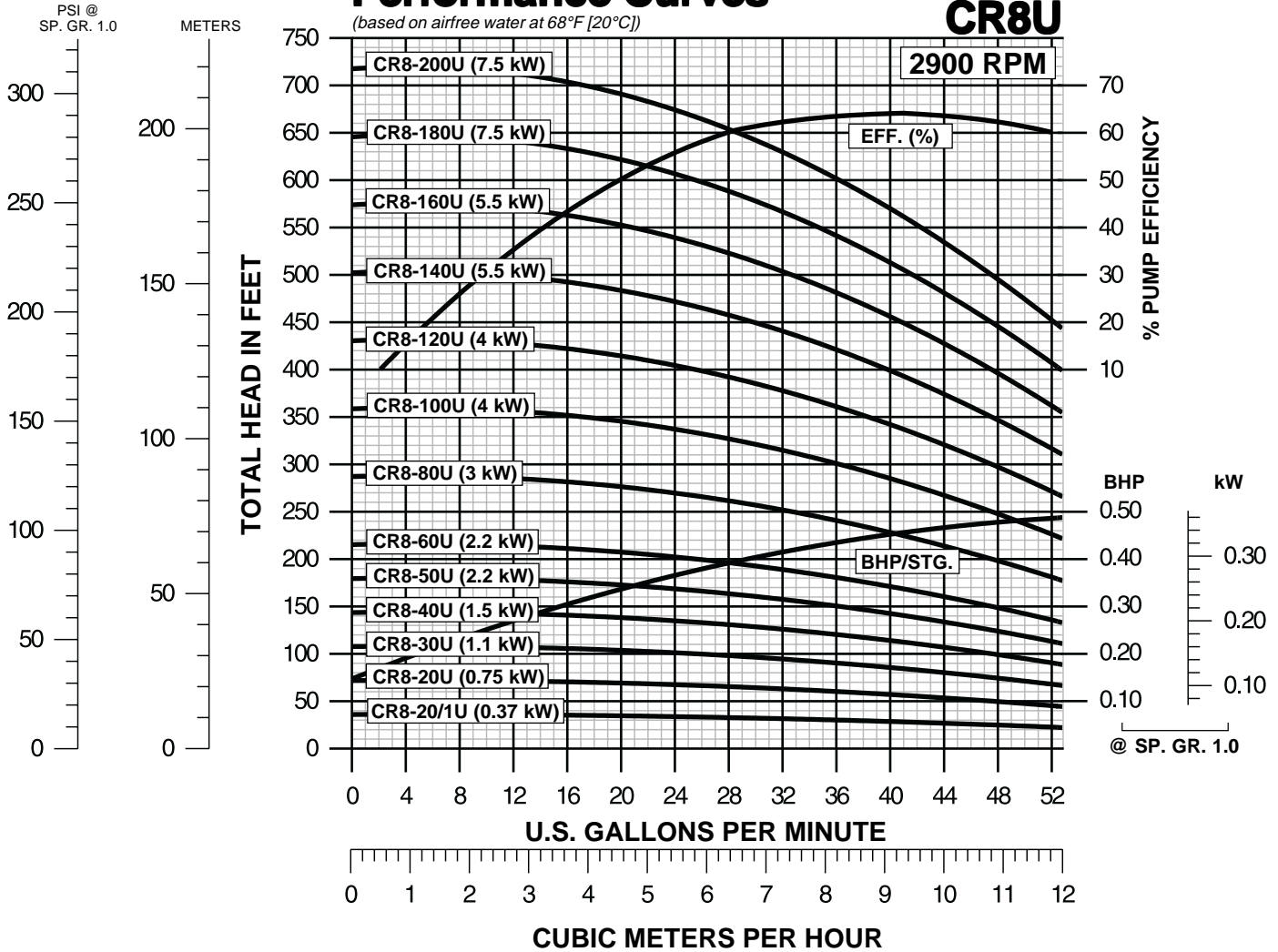
NOTES: (1) Motors are built to European IEC standards, have 1.0 service factor, and are sized to be non-overloading across the entire performance range.
(2) DIN and JIS flanges are available as a non-standard option.

**Non-standard staging is available.

Performance Curves

(based on airfree water at 68°F [20°C])

CR8U



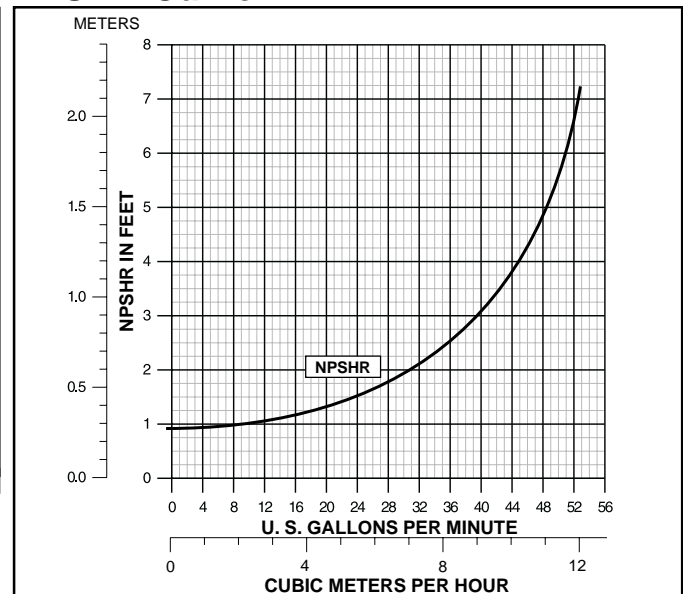
Materials of Construction

DESCRIPTION	MATERIAL
Suction/Discharge Base, Motor Stool & Couplings	Cast Iron
Impellers, Intermediate Chambers, Spacing Pipes, Outer Sleeve, Priming Valve, Suction Interconnector & Coupling Guards	AISI 304 SS
Pump Shaft	AISI 431 SS
O-Ring Type Shaft Seal (Other seal types available, consult factory)	
- Stationary Face	Tungsten Carbide
- Rotation Face	Tungsten Carbide
- O-Rings	EPDM (FKM Optional)
- Upper and Lower Drivers	AISI 304 SS
- Spring	AISI 304 SS
Intermediate Chamber Bearings	Aluminum Oxide Ceramic*
Intermediate Bearing Journals	Tungsten Carbide
O-Rings	EPDM (FKM Optional)
Outer Sleeve Gaskets	Non-Asbestos Fiber
Air Vent Plug	AISI 316 SS
Neck Rings	Teflon®
Recommended Spare Parts: Stack® Kit & Shaft Seal/Gasket Kit	

*Leadless Tin Bronze Available

NOTES: EPDM - Ethylene Propylene Rubber
® Registered trademark of DuPont

NPSHR Curve



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