

Submittal Data

3450 RPM

60 Hertz



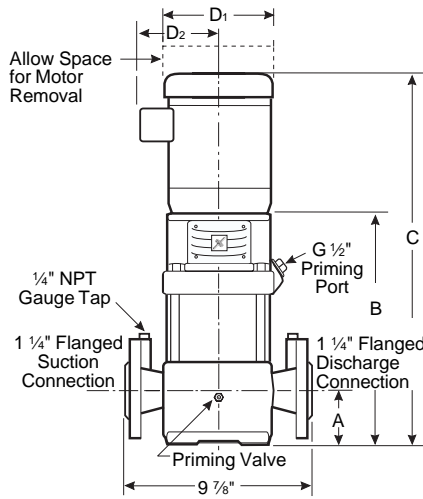
JOB or CUSTOMER:
 ENGINEER:
 CONTRACTOR:
 SUBMITTED BY: DATE:
 APPROVED BY: DATE:
 ORDER NO: DATE:
 SPECIFICATION REF:

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

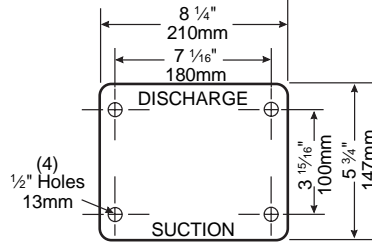
"STACK" KIT P/N:

SEAL & GASKET KIT P/N:

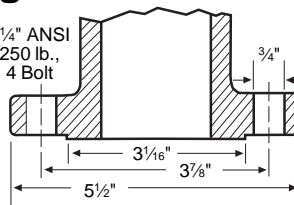
Dimensions





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) = 1.0 GPM
 See the Series C Installation & Operating Manual for operating limits below this minimum.
MOTORS: ODP (Standard), TEFC (Optional)
TEMPERATURE RANGE:
 5°F to 250°F (-15°C to 121°C)
FLANGES: 1 1/4", ANSI 250 lb. R.F., 4 Bolt
MAX. WORKING PRESSURE (at 250°F):
 Models 20-100: 230 PSI (16 Bars)
 120-180: 300 PSI (20 Bars)
 (Consult Grundfos for maximum working pressures at lower fluid temperatures.)
MAX. INLET PRESSURE:
 20- 60: 145 PSI (10 Bars)
 70-180: 220 PSI (15 Bars)
 Motors are   Rated

Electrical Data, Dimensions, and Weights ^①

Pump Type	HP	Motor S.F.	Ph	Volts	NEMA Frame Size	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
CR2-20/1U	1/2	1.25	1	115/208-230	56C	1 1/4	1 1/4	9 3/8	3	10 5/8	20	6 7/8	4 3/8	55	62	2
	1/2	1.25	3	208-230/460	56C	1 1/4	1 1/4	9 3/8	3	10 5/8	20	6 7/8	4 1/2	54	61	2
CR2-20U	1/2	1.25	1	115/208-230	56C	1 1/4	1 1/4	9 3/8	3	10 5/8	20	6 7/8	4 3/8	55	62	2
	1/2	1.25	3	208-230/460	56C	1 1/4	1 1/4	9 3/8	3	10 5/8	20	6 7/8	4 1/2	54	61	2
CR2-30U	3/4	1.25	1	115/208-230	56C	1 1/4	1 1/4	10 1/4	3	11 3/8	21 5/8	6 7/8	4 1/2	59	66	2
	3/4	1.25	3	208-230/460	56C	1 1/4	1 1/4	9 3/8	3	11 3/8	20 3/4	6 7/8	4 1/2	56	63	2
CR2-40U	1	1.25	1	115/208-230	56C	1 1/4	1 1/4	11 3/8	3	12	23 3/8	6 7/8	4 3/8	70	77	2.3
	1	1.25	3	208-230/460	56C	1 1/4	1 1/4	9 3/8	3	12	21 3/8	6 7/8	4 1/2	58	65	2.3
CR2-50U	1 1/2	1.15	1	115/208-230	56C	1 1/4	1 1/4	11 1/4	3	12 3/4	24	7 1/4	5 1/4	79	86	2.3
	1 1/2	1.15	3	208-230/460	56C	1 1/4	1 1/4	9 3/8	3	12 3/4	22 1/8	5 7/8	4 3/8	73	80	2.3
CR2-60U	1 1/2	1.15	1	115/208-230	56C	1 1/4	1 1/4	11 1/4	3	13 1/2	24 3/4	7 1/4	5 1/4	81	88	2.3
	1 1/2	1.15	3	208-230/460	56C	1 1/4	1 1/4	9 3/8	3	13 1/2	22 7/8	5 7/8	4 3/8	75	82	2.3
CR2-70U	2	1.15	1	115/208-230	56C	1 1/4	1 1/4	11 1/4	3	14 1/8	25 3/8	6 3/8	5 1/4	83	90	3
	2	1.15	3	208-230/460	56C	1 1/4	1 1/4	10 3/8	3	14 1/8	24 1/2	6 3/8	5 1/4	79	86	3
CR2-80U	2	1.15	1	115/208-230	56C	1 1/4	1 1/4	11 1/4	3	14 7/8	26 1/8	6 3/8	5 1/4	84	91	3
	2	1.15	3	208-230/460	56C	1 1/4	1 1/4	10 3/8	3	14 7/8	25 1/4	6 3/8	5 1/4	80	87	3
CR2-100U	3	1.15	1	115/208-230	182TC	1 1/4	1 1/4	14	3	16 1/4	30 1/4	8 1/2	5 7/8	119	126	3
	3	1.15	3	208-230/460	182TC	1 1/4	1 1/4	11 3/8	3	16 1/4	27 3/8	8 1/2	5 7/8	89	96	3
CR2-120U	3	1.15	1	115/208-230	182TC	1 1/4	1 1/4	14	3	17 3/4	32 1/8	8 1/2	5 7/8	122	129	4
	3	1.15	3	208-230/460	182TC	1 1/4	1 1/4	11 3/8	3	17 3/4	29 1/8	8 1/2	5 7/8	92	99	4
CR2-150U	5	1.15	1	208-230	213TC	1 1/4	1 1/4	16	3	20 1/4	36 1/4	10 1/4	7 3/8	157	164	4.3
	5	1.15	3	208-230/460	184TC	1 1/4	1 1/4	13 3/4	3	20 1/4	34 3/8	9	5 3/4	126	133	4.3
CR2-180U	5	1.15	1	208-230	213TC	1 1/4	1 1/4	16	3	22 3/8	38 3/8	10 1/4	8 3/8	162	169	4.5
	5	1.15	3	208-230/460	184TC	1 1/4	1 1/4	13 3/4	3	22 3/8	36 1/2	8 1/2	5 7/8	131	138	4.5

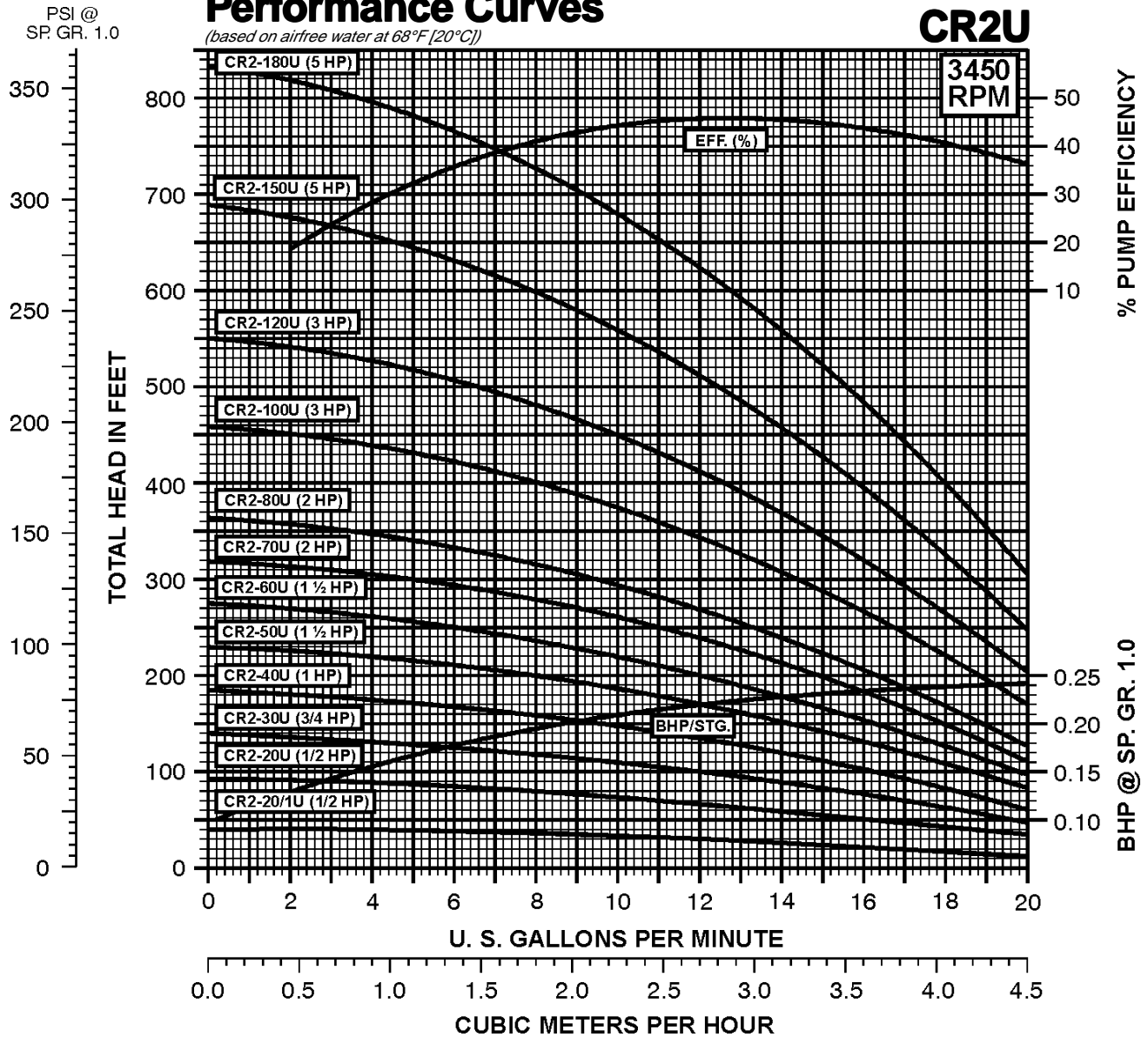
NOTE: ^①Above data for Baldor ODP motors.

Performance Curves

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

CR2U

3450 RPM



Materials of Construction

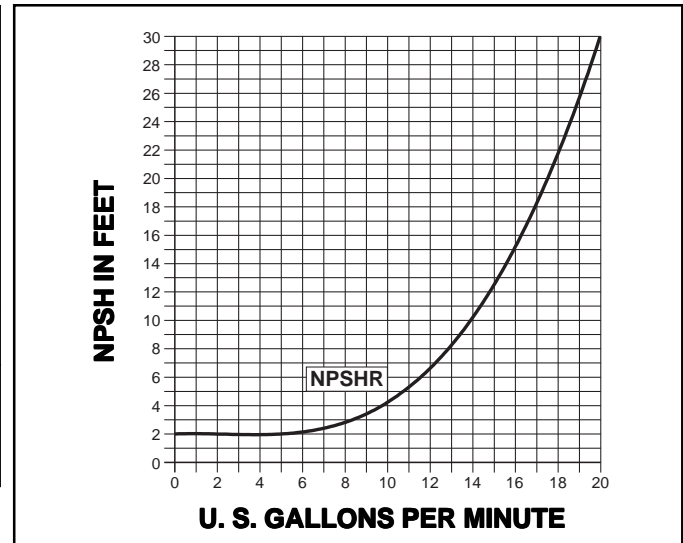
DESCRIPTION	MATERIAL
Suction/Discharge Base, Motor Stool & Couplings	Cast Iron
Impellers, Intermediate Chambers, Spacing Pipes, Outer Sleeve, Priming Valve & Coupling Guards	AISI 304 SS
Pump Shaft	AISI 316 SS
O-Ring Type Shaft Seal (Optional: Bellows Type Shaft Seal, Carbon/Tungsten Carbide, EPDM & FPM)	
- Stationary Face	Tungsten Carbide
- Rotation Face	Tungsten Carbide
- O-Rings	EPDM (FPM 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 (FPM Optional)
Outer Sleeve Gaskets	Non-Asbestos Fiber
Air Vent Plug	AISI 316 SS
Neck Rings	Teflon®

*Leadless Tin Bronze Available

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

Recommended Spare Parts: Stack Kit & Shaft Seal/Gasket Kit

NPSH Curve



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