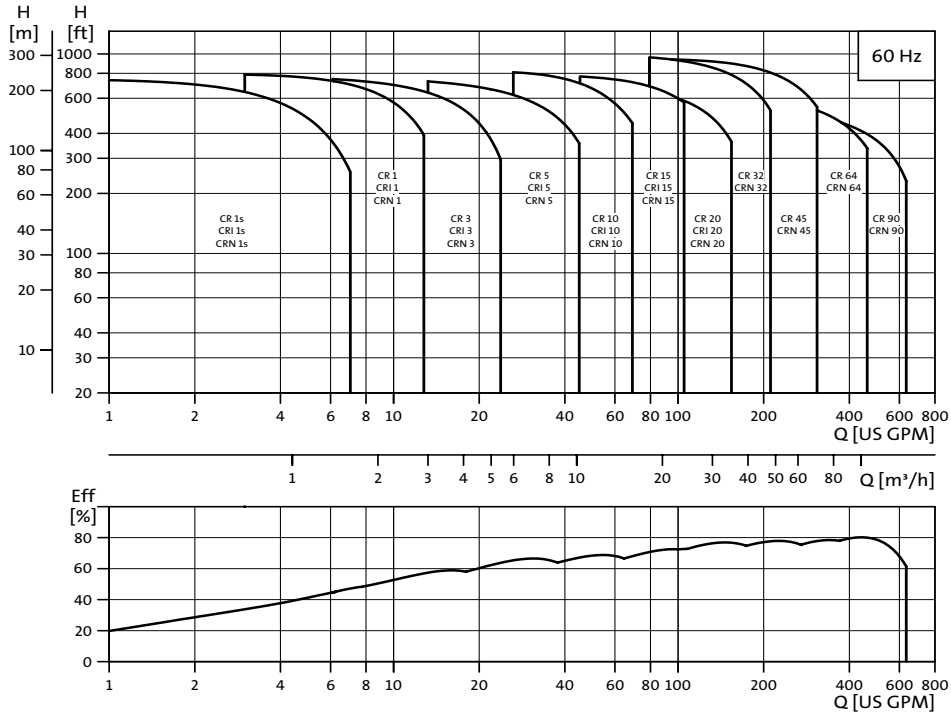
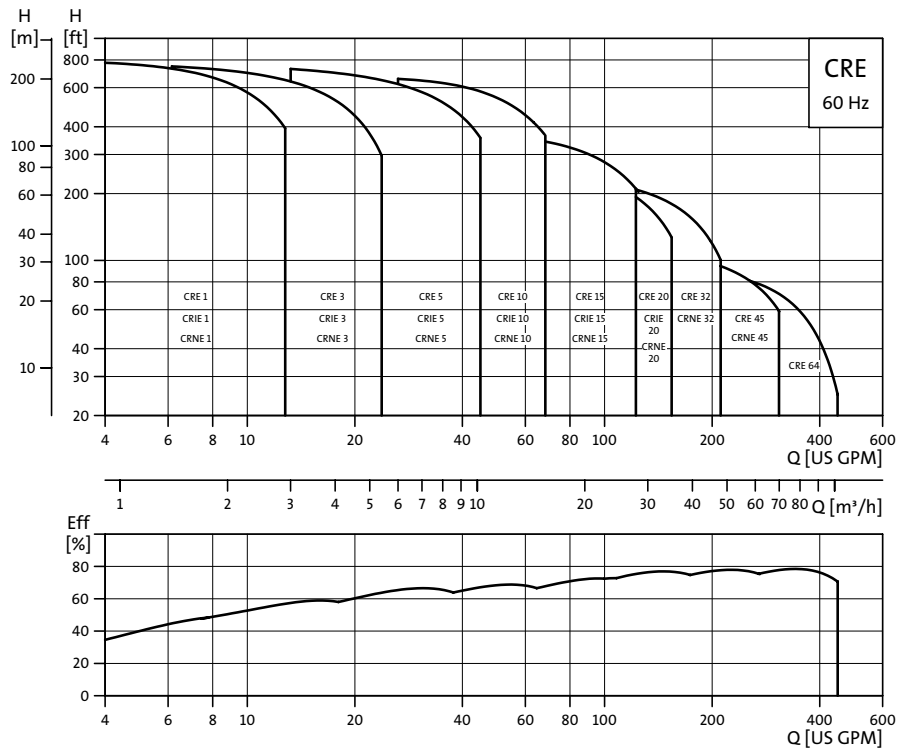


Performance range - CR, CRI, CRN



TM02 5518 5103

Performance range - CRE, CRIE, CRNE



TM02 8094 4603

Applications

Application	CR, CRI	CRN	CRE, CRNE
Water supply			
Filtration and transfer at waterworks	●	○	●
Distribution from waterworks	●	○	●
Pressure boosting in mains	●	○	●
Pressure boosting in high-rise buildings, hotels, etc.	●	○	●
Pressure boosting for industrial water supply	●	○	●
Industry			
Pressure boosting in...			
process water systems	●	●	●
washing and cleaning systems	●	●	●
vehicle washing tunnels	●	○	●
fire fighting systems	●		
Liquid transfer in...			
cooling and air-conditioning systems (refrigerants)	●	○	●
boiler feed and condensate systems	●	○	●
machine tools (cooling lubricants)	●	●	●
aquafarming★	●	○	
Transfer of...			
oils and alcohols	●	●	●
acids and alkalis★		●	●
glycol and coolants	●		●
Water treatment			
Ultra-filtration systems		●	●
Reverse osmosis systems★		●	●
Softening, ion exchange, demineralizing systems		●	●
Distillation systems		●	●
Separators	●	●	●
Swimming pools★		●	●
Irrigation			
Field irrigation (flooding)	●	○	
Sprinkler irrigation	●	○	●
Drip-feed irrigation	●	○	

● Recommended version.

○ Alternative version.

★ CRT, CRTE version available. For further information about CRT, CRTE pumps see, "Pumped liquids" page 66 or related CRT, CRTE data booklet.

Product range

Range	CR 1s	CR, CRE 1	CR, CRE 3	CR, CRE 5	CR, CRE 10	CR, CRE 15	CR, CRE 20	CR, CRE 32	CR, CRE 45	CR, CRE 64	CR, CRE 90
Nominal flow rate [US GPM]	4.5	8.5	15	30	55	95	110	140	220	340	440
Temperature range [°F]				-4 to +250					-22 to +250		
Temperature range [°F] – on request				-40 to +356					-40 to +356		
Max. working pressure [psi]	360	360	360	360	360	360	360	435	435	360	360
Max. working pressure [psi] – on request	-	725	725	725	725	725	725	580	580	580	580
Max. pump efficiency [%]	35	49	59	67	70	72	72	76	78	79	80
CR pumps											
CR: Flow range [US GPM]	0.5 - 5.7	1 - 12.8	1.5 - 23.8	3 - 45	5.5 - 70	9.5 - 125	11 - 155	14 - 210	22 - 310	34 - 450	44 - 630
CR: Max. pump pressure (H[ft])	760	790	790	780	865	800	700	995	940	565	595
CR: Motor power [Hp]	1/3 - 2	1/3 - 3	1/3 - 5	3/4 - 7 1/2	3/4 - 15	2 - 25	3 - 25	3 - 40	7 1/2 - 60	7 1/2 - 50	15 - 60
CRE pumps											
CRE: Flow range [US GPM]	-	0 - 12.8	0 - 23.8	0 - 45	0 - 70	0 - 125	0 - 155	0 - 210	0 - 310	0 - 450	-
CRE: Max. pump pressure (H[ft])	-	790	790	780	665	390	270	240	120	100	-
CRE: Motor power [Hp]	-	1/3 - 3	1/3 - 5	3/4 - 7 1/2	3/4 - 10	2 - 10	3 - 10	3 - 10	7 1/2	7 1/2	-
Version											
CR, CRE: Cast iron and stainless steel AISI 304	●	●	●	●	●	●	●	●	●	●	●
CR1, CRIE: Stainless steel AISI 304	●	●	●	●	●	●	●	-	-	-	-
CRN, CRNE: Stainless steel AISI 316	●	●	●	●	●	●	●	●	●	●	●
CRT, CRTE: Titanium	-	●★	●★	●★	●★	●★	-	-	-	-	-
CR, CRE pipe connection											
Oval flange (NPT)	1"	1"	1"	1 1/4"	2"	2"	2"	-	-	-	-
Oval flange (NPT) - on request	1 1/4"	1 1/4"	1 1/4"	1"	1 1/2"	-	-	-	-	-	-
ANSI flange size	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2 1/2"	3"	4"	4"
ANSI flange size - on request	-	-	-	-	-	-	-	3"	4"	5"	5"
ANSI flange class	250 lb.	250 lb.	250 lb.	250 lb.	250 lb.	250 lb.	250 lb.	125/ 250 lb.	125/ 250 lb.	125/ 250 lb.	125/ 250 lb.
CRI, CRIE pipe connection											
Oval flange (NPT)	1"	1"	1"	1 1/4"	2"	2"	2"	-	-	-	-
Oval flange (NPT) - on request	1 1/4"	1 1/4"	1 1/4"	1"	1 1/2"	-	-	-	-	-	-
ANSI flange size	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	-	-	-	-
ANSI flange class	300 lb.	300 lb.	300 lb.	300 lb.	300 lb.	300 lb.	300 lb.	-	-	-	-
Clamp coupling (NPT) - on request	1", 1 1/4"	1", 1 1/4"	1", 1 1/4"	1", 1 1/4"	1 1/2", 2"	1 1/2", 2"	2", 2 1/2"	-	-	-	-
Union (NPT ext. thread) - on request	2"	2"	2"	2"	-	-	-	-	-	-	-
CRN, CRNE pipe connection											
PJE (Vitaallic)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	-	-	-	-
PJE (Vitaallic) - on request	-	-	-	-	-	-	-	3"	4"	4"	4"
ANSI flange size	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2 1/2"	3"	4"	4"
ANSI flange size - on request	-	-	-	-	-	-	-	3"	-	-	-
ANSI flange class	300 lb.	300 lb.	300 lb.	300 lb.	300 lb.	300 lb.	300 lb.	150/ 300 lb.	150/ 300 lb.	150/ 300 lb.	150/ 300 lb.
Clamp coupling (NPT) - on request	1", 1 1/4"	1", 1 1/4"	1", 1 1/4"	1", 1 1/4"	1 1/2", 2"	2", 2 1/2"	2", 2 1/2"	-	-	-	-
Union (NPT ext. thread) - on request	2"	2"	2"	2"	-	-	-	-	-	-	-
CRT pipe connection											
PJE coupling (Vitaallic)	-	1 1/4"	1 1/4"	1 1/4"	2"	2"	-	-	-	-	-
ANSI flange size - on request	-	-	-	-	2"	2"	-	-	-	-	-

● :Available

★ :CRT 2, 4, 8, 16