



Vertical, multi stage centrifugal pumps

## **MULTIPLE STAGE, CENTRIFUGAL BOOSTER PUMP, VARIABLE FREQUENCY DRIVE (VFD) MODEL**

### **DESCRIPTION**

Vertical, multi stage centrifugal pumps are designed with the motor mounted directly on top of the pump housing to minimize its footprint. The pump motor is sized to ensure non-overloading while operating on the pump curve.

This style comes equipped with an integrated variable frequency drive. This design allows the pump to match output to demand for optimal operating efficiency and reduced system wear. All internal wetted parts of the CRNE are constructed of 316 stainless steel. Each pump has a high temperature mechanical cartridge seal assembly capable of operating at continuous temperatures of up to 250 F (121 C), providing extended pump life and ease of maintenance.

The high temperature mechanical seal assembly and motor are totally enclosed and fan cooled (TEFC) with NEMA C face designs that provide a minimum service factor of 1.15. Lower motor bearings are adequately sized to ensure long motor life. An optional R100 infrared remote control allows end user to change internal settings, monitor pump performance, and troubleshoot potential system faults.

### **Benefits**

- Output matched to demand (VFD)
- All internal parts are 316ss
- Energy saving pump

MODEL NUMBER	CRNE3-3	CRNE3-5	CRNE3-6	CRNE3-9	CRNE3-12	CRNE3-17
<b>Catalog Number w/ Sensor</b>	GPC96085266	GPC96085267	GPC96706564	GPC96706565	GPC96706566	GPC96749275
<b>Catalog Number w/o Sensor</b>	GPC96085287	GPC96085288	GPC96706584	GPC96706585	GPC96706586	GPC96749276
<b>Nominal Flow Rate (gpm)</b>	15 @ 35 psi	15 @ 52 psi	15 @ 74 psi	15 @ 91 psi	15 @ 121 psi	15 @ 177 psi
<b>Pump Efficiency</b>	59%	59%	59%	59%	59%	59%
<b>Max Discharge Head (psi)</b>	41	54	81	122	161	230
<b>Max Oper Pressure (psi)</b>	360	360	360	360	360	360
<b>Min Continuous Flow (gpm)</b>	1.5	1.5	1.5	1.5	1.5	1.5
<b>Nameplate Horsepower</b>	0.5 HP	0.75 HP	1.0 HP	1.5 HP	2.0 HP	3.0 HP
<b>Sensor Range (psi)</b>	0-145	0-145	0-145	0-232	0-232	0-362
<b>Motor Type/Service Factor</b>	VFD	VFD	VFD	VFD	VFD	VFD
<b>Shipping Weight (lb)</b>	54	57	60	72	80	101
<b>Electrical Requirements</b>	"208-230V, 1 phase, 60 Hz"	"208-230V, 1 phase, 60 Hz"	"208-230V, 3 phase, 60 Hz"	"208-230V, 3 phase, 60 Hz"	"208-230V, 3 phase, 60 Hz"	"208-230V, 3 phase, 60 Hz"
<b>Pump Configuration</b>	Vertical, multiple stage					
<b>Materials of Construction</b>	316 stainless steel with mechanical silicon carbide seal faces					
<b>Inlet/Outlet</b>	1-1/4-inch ANSI Flange					

MODEL NUMBER	CRNE5-3	CRNE5-4	CRNE5-6	CRNE5-9	CRNE5-13	CRNE5-20
<b>Catalog Number w/ Sensor</b>	GCP96085329	GCP96749303	GCP96749305	GCP96749307	GCP96706616	GCP96706618
<b>Catalog Number w/o Sensor</b>	GCP96085353	GCP96749304	GCP96749306	GCP96749308	GCP96706646	GCP96706648
<b>Nominal Flow Rate (gpm)</b>	30 @ 28 psi	30 @ 39 psi	30 @ 63 psi	30 @ 93 psi	30 @ 137 psi	30 @ 211 psi
<b>Pump Efficiency</b>	67%	67%	67%	67%	67%	67%
<b>Max Discharge Head (psi)</b>	41	56	84	127	184	282
<b>Max Oper Pressure (psi)</b>	360	360	360	360	360	360
<b>Min Continuous Flow (gpm)</b>	3.0	3.0	3.0	3.0	3.0	3.0
<b>Nameplate Horsepower</b>	1.0 HP	1.5 HP	2.0 HP	3.0 HP	5.0 HP	7.5 HP
<b>Sensor Range (psi)</b>	0-145	0-145	0-232	0-232	0-232	0-580
<b>Motor Type/Service Factor</b>	VFD	VFD	VFD	VFD	VFD	VFD
<b>Shipping Weight (lb)</b>	59	70	78	98	149	164
<b>Electrical Requirements</b>	"208-230V, 1 phase, 60 Hz"	"208-230V, 3 phase, 60 Hz"	"208-230V, 3 phase, 60 Hz"	"208-230V, 3 phase, 60 Hz"	"208-230V, 3 phase, 60 Hz"	"208-230V, 3 phase, 60 Hz"
<b>Pump Configuration</b>	Vertical, multiple stage					
<b>Materials of Construction</b>	316 stainless steel with mechanical silicon carbide seal faces					
<b>Inlet/Outlet</b>	1-1/4-inch ANSI Flange					



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