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Customized Line of Waterous Fire Pumps and CAF Systems

Table 1 – Available Fire Pump Drives

Table 2 – Available Fire Pumps

Table 3 – Available CAF Systems

Table 1 – Available Fire Pump Drives

Drive		Transmission		
Type	Mounting	Series	Model	Driveline Size
Chain	Split-Shaft	C22	C22B, C22C, C22D, C22E, C22F <i>(See Note)</i>	2.35-46T Involute Spline
		C23	C23	2.35-46T Involute Spline
	PTO Driven	P	PA	1-1/2-10 SAE Spline
		Q	QA	1-3/4-10 SAE Spline
			QB	1-3/4-10 SAE Spline
			QC	1-3/4-10 SAE Spline
Two-Gear	PTO Driven	K	K (Medium Duty)	1-1/8 in. Keyed
			K (Heavy Duty)	1-3/8-10 SAE Spline or SAE Class C, 2 or 4 Bolt Hydraulic Flange
			K (Extra Heavy Duty)	1-1/2-10 SAE Spline
	Direct Engine	T	T (Medium Duty)	1-1/2-10 SAE Spline or 1 in.-15T Involute Spline
			T (Heavy Duty)	1-3/4-10 SAE Spline
Direct	-	D	D – No Transmission, Driven by a Full Torque PTO	

Note: C22 series transmissions are available in range of drop sizes (distance from pump impeller shaft to driveline) as designated by the ending letter of the C22 model. See pump dimensional drawings for dimensions.

Table 2 – Available Fire Pumps

Pump					Complete Pump and Transmission Model											
Series	Number of Stages	Capacity	Model	Intake	Split Shaft Drive		Direct Drive	PTO Driven							Direct Engine Mount	
					C22B to C22F	C23	D	K			PA	QA	QB	QC	T	
								Medium Duty	Heavy Duty	Extra Heavy Duty					Medium Duty	Heavy Duty
CG	One	500-750 GPM 1892-2839 L/min	CGV	End Suction with Victaulic Connection	CGVC22B to CGVC22F	-	-	-	CGVK	-	CGVPA	-	-	-	-	CGVT
			CGVG	Curved Crosspipe (Left and Right Sides)	CGVGC22B to CGVGC22F	-	-	-	CGVGK	-	CGVGPA	-	-	-	-	-
			CGVR	End Suction with Male NH Connection	-	-	-	-	CGVRK	-	-	-	-	-	-	CGVRT
CL	One	300-500 GPM 1324-1892 L/min	CLR	End Suction with Male NH Connection	-	-	-	CLRK	-	-	-	-	-	-	CLRT	-
			CLS	Straight Crosspipe (Left and Right Sides)	-	-	-	CLSK	-	-	CLSPA	-	-	-	-	-
			CLV	End Suction with Victaulic Connection	-	-	-	CLVK	-	-	CLVPA	-	-	-	-	CLVT
CM	Two (Series/Parallel)	750-1250 GPM 2839-4731 L/min	CM	Left and Right Sides	CMC22B to CMC22F	-	CMD	-	CMK	-	CMPA	-	-	-	-	-
		1250-2250 GPM 4731-8516 L/min	CMU	Left and Right Sides	CMUC22B to CMUC22F	-	CMUD	-	-	CMUK	CMUPA	-	-	-	-	-
	Three High Rise Pump (Series/Parallel)	Main Pump: 750-1250 GPM Extra Pressure Stage: 500 at 700 psi	CMCGV	Left and Right Sides	CMCGVC22B to CMCGVC22F	-	-	-	-	-	-	-	-	-	-	-
		Main Pump: 1250-2250 GPM Extra Pressure Stage: 500 at 700 psi	CMUCGV	Left and Right Sides	CMUCGVC22B to CMUCGVC22F	-	-	-	-	-	-	-	-	-	-	-

Table continued on following page.

Table 2 – Available Fire Pumps (Cont'd)

Pump					Complete Pump and Transmission Model											
Series	Number of Stages	Capacity	Model	Intake	Split Shaft Drive		Direct Drive	PTO Driven						Direct Engine Mount		
					C22B to C22F	C23	D	K			PA	QA	QB	QC	T	
								Medium Duty	Heavy Duty	Extra Heavy Duty					Medium Duty	Heavy Duty
CP	One	80-300 GPM 303-1135 L/min	CP-2	Single Female NPT Connection	-	-	-	CPK-2	-	-	-	-	-	-	CPT-2	-
	Two (Series/Parallel)	150-500 GPM 567-1892 L/min	CP-3	Dual Female NPT Connection	-	-	-	CPK-3	-	-	-	-	-	-	CPT-3	-
	Four (Series)	60 GPM at 1000 psi	CP-4	Single Female NPT Connection	-	-	-	CPK-4	-	-	-	-	-	-	CPT-4	-
		90 GPM at 1350 psi	CP-4UH	Single Female NPT Connection	-	-	-	-	-	-	-	-	-	-	CPT-4UH	-
	Two (Series)	320 GPM at 1350 psi	CP-5	End Suction with Victaulic Connection	-	-	-	-	-	CPK-5	-	-	-	-	-	-
CR	One	2000 GPM 7570 L/min	CR	End Suction with Victaulic Connection	-	-	CR	-	-	-	-	CRQA	CRQB	CRQC	-	-
		2650-3000 GPM 10031-11355 L/min	CRU-1	End Suction with Flanged Connection	-	-	CRU-1	-	-	-	-	-	-	-	-	-
		2500-4000 GPM 9463-15140 L/min	CRU-2	End Suction with Victaulic Connection	-	CRUC23-2	CRU-2	-	-	-	-	-	-	CRUQC-2	-	-
CS	One	750-1250 GPM 2839-4731 L/min	CS	Left and Right Sides	CSC22B to CSC22F	-	CSD	-	CSK	-	CSPA	-	-	CSQC (Rotated CW 22.5°)	-	-
		1250-2250 GPM 4731-8516 L/min	CSU	Left and Right Sides	CSUC22B to CSUC22F	-	CSUD	-	-	CSUK	CSUPA	-	-	CSUQC (Rotated CW 22.5°)	-	-

Table continued on following page.

Table 2 – Available Fire Pumps (Cont'd)

Pump					Complete Pump and Transmission Model											
Series	Number of Stages	Capacity	Model	Intake	Split Shaft Drive		Direct Drive	PTO Driven						Direct Engine Mount		
					C22B to C22F	C23	D	K			PA	QA	QB	QC	T	
								Medium Duty	Heavy Duty	Extra Heavy Duty					Medium Duty	Heavy Duty
CX	One	750-1500 GPM 2839-5678 L/min	CXN	End Suction with DIN PN10 150 Flange Connection	CXNC22B to CXNC22F	-	CXND	-	CXNK	-	CXNPA	-	-	-	-	CXNT
			CXS	Side Suction with Two Victaulic Connections (Left and Right)	CXSC22B to CXSC22F	-	CXSD	-	CXSK	-	CXSPA	-	-	-	-	CXST
			CXV	End Suction with Victaulic Connection	CXVC22B to CXVC22F	-	CXD	-	CXVK	-	CXVPA	-	CXVQB	-	-	CXVT
CZ	One	950 GPM 3596 L/min	CZ	End Suction with Victaulic Connection	-	-	CZ	-	-	-	-	-	-	-	-	-
		1500 GPM 5678 L/min	CZU	End Suction with Flanged Connection	-	-	CZU	-	-	-	-	-	-	-	-	-
ES	One	1500-2250 GPM 5678-8517 L/min	ESU1	Single 8 in. or Dual 6 in. Victaulic	ESU1C22C to ESU1C22F	-	ESU1D	-	-	-	-	-	-	-	-	-
HL	Two (Simultaneous High and Low Pressure)	2000 L/min at 10 bar 400 L/min at 40 bar	HL200	End Suction with BSP Threaded, Victaulic or Storz Connection	-	-	HL200D	-	HL200K	-	-	-	-	-	-	-
		3000 L/min at 10 bar 400 L/min at 40 bar	HL300	End Suction with BSP Threaded, Victaulic or Storz Connection	-	-	HL300D	-	HL300K	-	-	-	-	-	-	-
		4000 L/min at 10 bar 400 L/min at 40 bar	HL400	End Suction with BSP Threaded Connection	-	-	HL400D	-	HL400K	-	-	-	-	-	-	-
HLU	Two (Simultaneous High and Low Pressure)	1000-1500 GPM at 150 psi 100 GPM at 600 psi	HLU	End Suction with Single 4-Bolt Flange Connection	-	-	HLUD	-	HLUK	-	HLUPA	-	-	-	-	
S100	One	1500-2000 GPM 5678-7570 L/min	S100	End Suction with Victaulic Connection	S100C22B to S100C22F	-	S100D	-	-	-	S100PA	-	-	S100QC	-	-
			S101	Crosspipe (Left and Right Sides)	S101C22B to S101C22F	-	-	-	-	-	-	-	-	-	-	
S200	One	2000-3000 L/min	S200	Single Flanged Connection	-	-	S200D	-	-	-	-	-	-	-	-	

Table 3 – Available CAF Systems

CAFS Type	Fire Pump or PTO				CAFS		
	Model	Discharge Position	Transmission or PTO		Model	Rating CFM at 125 psi	Compressor Drive
			Model	Mounting Position			
Traditional (Aquis Foam Pump is optional)	CP-2	Up	K	Vertical	100-P	100	Belt off of Pump Transmission
					120-P	120	
	CLV	Right	K	Vertical	100-P	100	
					120-P	120	
					150-P	150	
					150-P	150	
					200-P	200	
					150-P	150	
					150-ESD	150	
					Eclipse ES	200	
	S100	Up	C22B, C22C, C22D, C22E, C22F		Eclipse ES	200	Belt off of Pump Transmission (Via a Pneumatic Clutch)
	HL200, HL300, HL400		K	Vertical or Left	100-D	100	Belt off of Pump Transmission
				Vertical	200-D (Available on HL400 only)	200	
					120-D	120	
					150-D	150	
	CM, CMU, CS, CSU (CM Not Available with Eclipse)			C20B, C20C, C20D, C20E, C20F	150-D	150	Belt off of Pump Transmission
				PA			
				C20B, C20C, C20D, C20E, C20F	Eclipse	200	Belt off of Pump Transmission (Via a Pneumatic Clutch)
TC22B, TC22C, TC22D, TC22E, TC22F PTO'S				150-ESD	150	Belt off of PTO	
				Eclipse ES	200	Belt off of PTO (Via a Pneumatic Clutch)	
Not Included, System is a Compressor Only				80-P	80	Direct from a PTO	
				140-P	140		
				200-P	200		
				100-B	100	From a PTO via a Belt With or Without an Electric Clutch	

Table continued on following page.

Table 3 – Available CAF Systems (Cont'd)

CAFS Type	Fire Pump or PTO				CAFS		
	Model	Discharge Position	Transmission or PTO		Model	Rating CFM at 125 psi	Compressor Drive
			Model	Mounting Position			
Generated Eclipse GEN 2.0 (Includes an Aquis Foam Pump)	CXN, CXS, CXV	Up	K	Left	150-ECL	150	Belt off of Pump Transmission
			PA	Vertical (Right)			
			T	Left			
			C22B, C22C, C22D, C22E, C22F				
	HL200, HL300, HL400		K	Vertical	150-ECL	150	Belt off of Pump Transmission
	CM, CMU, CS, CSU		C22B, C22C, C22D, C22E, C22F		150-ECL	150	Belt off of Pump Transmission
	TC22B, TC22C, TC22D, TC22E, TC22F PTO's				150-ESECL	150	Belt off of PTO
	Not Included, System is a Compressor Only				150-ECL	150	Direct from a PTO
				100-ECLB	100	From a PTO via a Belt With an Electric Clutch	