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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	C20	C20B, C20C, C20D, C20E, C20F <i>(See Note)</i>	2.35-46T Involute Spline
		C21	C21	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 or SAE Class C, 2 or 4 Bolt Hydraulic Flange
			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: C20 series transmissions are available in range of drop sizes (distance from pump impeller shaft to driveline) as designated by the ending letter of the C20 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	
					C20B to C20F	C21	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	CGVC20B to CGVC20F	-	-	-	CGVK	-	CGVPA	-	-	-	-	CGVT
			CGVG	Curved Crosspipe (Left and Right Sides)	CGVGC20B to CGVGC20F	-	-	-	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	CMC20B to CMC20F	-	CMD	-	CMK	-	CMPA	-	-	-	-	-
		1250-2250 GPM 4731-8516 L/min	CMU	Left and Right Sides	CMUC20B to CMUC20F	-	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	CMCGVC20B to CMCGVC20F	-	-	-	-	-	-	-	-	-	-	-
		Main Pump: 1250-2250 GPM Extra Pressure Stage: 500 at 700 psi	CMUCGV	Left and Right Sides	CMUCGVC20B to CMUCGVC20F	-	-	-	-	-	-	-	-	-	-	-

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		
					C20B to C20F	C21	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	-	CRUC21-2	CRU-2	-	-	-	-	-	-	CRUQC-2	-	-
CS	One	750-1250 GPM 2839-4731 L/min	CS	Left and Right Sides	CSC20B to CSC20F	-	CSD	-	CSK	-	CSPA	-	-	CSQC (Rotated CW 22.5°)	-	-
		1250-2250 GPM 4731-8516 L/min	CSU	Left and Right Sides	CSUC20B to CSUC20F	-	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			
					C20B to C20F	C21	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	CXNC20B to CXNC20F	-	CXND	-	CXNK	-	CXNPA	-	-	-	-	CXNT	
			CXS	Side Suction with Two Victaulic Connections (Left and Right)	CXSC20B to CXSC20F	-	CXSD	-	CXSK	-	CXSPA	-	-	-	-	-	CXST
			CXV	End Suction with Victaulic Connection	CXVC20B to CXVC20F	-	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	-	-	-	-	-	-	-	-	-	
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	-	-	-	-	-	-		
S100	One	1500-2000 GPM 5678-7570 L/min	S100	End Suction with Victaulic Connection	S100C20B to S100C20F	-	S100D	-	-	-	S100PA	-	-	S100QC	-	-	
			S101	Crosspipe (Left and Right Sides)	S101C20B to S101C20F	-	-	-	-	-	-	-	-	-	-	-	
S200	One	2000-3000 L/min	S200	Single Flanged Connection	-	-	S200D	-	-	-	-	-	-	-	-		

Table 3 – Available CAF Systems

CAFS					Fire Pump					
Type	Group	Compressor Drive	Model	Rating		Capacity	Model	Discharge Position	Transmission or PTO	
				Air CFM	Water U.S. GPM				Model	Mounting Position
Traditional (Aquis Foam Pump is Optional)	PTO System (Includes Pump and Transmission)	Direct from a PTO	250-100-P	100	200	250 GPM	CP-2	Up	K	Vertical
			250-120-P	120	240					
			500-100-P	100	200	500 GPM	CLV	Right	K	Vertical
			500-120-P	120	240					
			500-150-P	150	300					
			750-100-P	100	200	750 GPM	CXN, CXS, CXV	Up	K	Horizontal
			750-150-P	150	300	750 GPM	CXN, CXS, CXV	Up	K	Horizontal
									PA	Vertical
			1000-100-P	100	200	1000 GPM	CXN, CXS, CXV	Up	K	Horizontal
			1000-150-P	150	300	1000 GPM	CXN, CXS, CXV	Up	K	Horizontal
									PA	Vertical
	1250-100-P	100	200	1250 GPM	CXN, CXS, CXV	Up	K	Horizontal		
	1250-150-P	150	300	1250 GPM	CXN, CXS, CXV	Up	K	Horizontal		
							PA	Vertical		
	High Low (Ordered as an Option of the Pump)	Belt off of Pump Transmission	100-D	100	200	2000-4000 L/min	HL200, HL300, HL400	-	K	Vertical
			120-D	120	240					
			150-D	150	300					
			200-D	200	400	4000 L/min	HL400	-	K	Vertical
	Midship (Ordered as an Option of the Pump)	Belt off of Pump Transmission	150-D	150	300	750-2250 GPM	CM, CMU, CS, CSU	C20B, C20C, C20D, C20E, C20F		
						750-1250 GPM	CM, CS (CMU and CSU Not Available)	PA		
		Belt off of Pump Transmission (Via a Pneumatic Clutch)	Eclipse	200	400	1250-2250 GPM	CMU, CS, CSU (CM Not Available)	C20B, C20C, C20D, C20E, C20F		
	End Suction (Ordered as an Option of the Pump or PTO)	Belt off of Pump Transmission (Direct Drive)	150-ESD	150	300	750-1250 GPM	CXV, CXS, CXN (S100 Not Available)	C20B, C20C, C20D, C20E, C20F		
						-	TC20B, TC20C, TC20D, TC20E, TC20F PTO's			
		Belt off of Pump Transmission (Via a Pneumatic Clutch)	Eclipse ES	200	400	750-2000 GPM	CXV, CXS, CXN, S100	C20B, C20C, C20D, C20E, C20F		
						-	TC20B, TC20C, TC20D, TC20E, TC20F PTO's			
	PTO Kit (Compressor Only, No Pump)	Direct from a PTO	80-P	80	160	Not Included, Compressor Only				
			140-P	140	280					
200-P			200	400						
From a PTO via a Belt		100-B	100	200						

Table continued on following page.

Table 3 – Available CAF Systems (Cont'd)

CAFS						Fire Pump					
Type	Group	Compressor Drive	Model	Rating		Capacity	Model	Discharge Position	Transmission or PTO		
				Air CFM	Water U.S. GPM				Model	Mounting Position	
Generated Eclipse GEN 2.0 (Includes an Aquis Foam Pump)	PTO System (Includes Pump and Transmission)	Direct Drive from a PTO	750-150-ECL	150	300	750 GPM	CXN, CXS, CXV	Up	K	Horizontal	
							PA		Vertical		
			1000-150-ECL	150	300	1000 GPM	CXN, CXS, CXV	Up	K	Horizontal	
					PA	Vertical					
				1250-150-ECL	150	300	1250 GPM	CXN, CXS, CXV	Up	K	Horizontal
							PA	Vertical			
	High Low (Ordered as an Option of the Pump)	Belt off of Pump Transmission	150-ECL	150	300	2000-4000 L/min	HL200, HL300, HL400	-	K	Vertical	
	Midship (Ordered as an Option of the Pump)	Belt off of Pump Transmission	150-ECL	150	300	750-2250 GPM	CM, CMU, CS, CSU		C20B, C20C, C20D, C20E, C20F		
	End Suction (Ordered as an Option of the Pump or PTO)	Belt off of Pump Transmission or PTO	150-ESECL	150	300	750-1250 GPM	CXV, CXS, CXN (S100 Not Available)		C20B, C20C, C20D, C20E, C20F		
						-	TC20B, TC20C, TC20D, TC20E, TC20F PTO's				
PTO Kit (Compressor Only)	Direct from a PTO	150-ECL	150	300	Not Included, Compressor Only						
	From a PTO via a Belt	100-ECLB	100	200							