



FMCWS-155F-HYD Series High Performance Hydraulic Motor Driven Centrifugal Pump



The Pro 5 Series has the same compact, close coupled design that you have come to expect with several new features to maximize life and reliability. The pump life has been enhanced with standard E-coated castings, an optional chemical resistant stainless steel wet end, and larger bearings. Oasis™ Wet Seal Technology prevents run dry failure and isolates seals from harsh chemicals. Interchangeability of parts within the Pro 5 Series simplifies stock and reduces inventory needed for field support.



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PRO 5 SERIES

SPECIFICATIONS

Pump Specifications

Ports	220 x 200 Flange and 1-1/2" x 1-1/4" PT	
Max. Flow	145 GPM (550 LPM) for 206	155 GPM (587 LPM) for 304
Max. Pressure	120 PSI (8.3 BAR) for 206	130 PSI (9.0 BAR) for 304
Construction	E-coated Cast Iron or 316 Stainless Steel (FS)	
Seal	Carbon ceramic / FKM	
Shaft	Stainless Steel	
Bearings	Sealed for long life	
Impeller	Thermoplastic with Stainless Steel Hub	
Wear Ring	Stainless Steel	

Motor Specifications

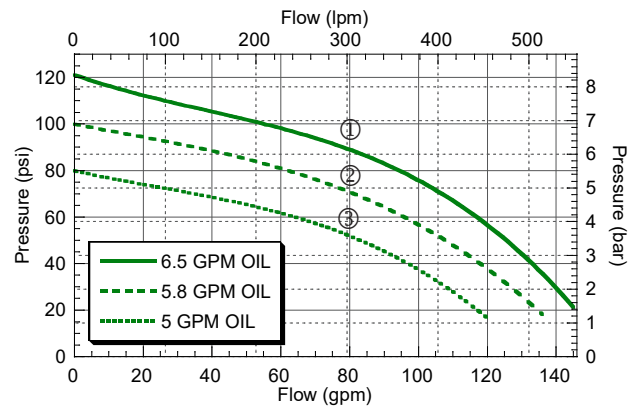
Type	High Efficiency Close Coupled Gear Motor			
Seal	High Pressure Double Lip Teflon			
Internal Coasting Check	Prevents Damaging Pressure Spikes when Turned Off			
Size	-206	-206 PWM	-304	-304 PWM
Maximum Flow	7 GPM (26.5 LPM)		9 GPM (34 LPM)	
Maximum Pressure	2700 PSI (186 BAR)		2500 PSI (172 BAR)	
Bypass Needle	Up to 9 GPM (34 LPM)	Not included	Up to 9 GPM (34 LPM)	Not included
Use on HYD Systems	PC, LS, and OC	PC, LS	PC, LS, and OC	PC, LS
External Reverse Check	✓	✓	✓	✓
Inlet Adapter / Restrictor Body 1/2" FNPT	✓	✗	✓	✗
Restrictor Insert	✓	✗	✓	✗
-206 PWM	Integrated 12V Proportional Control Valve and Pressure Relief Valve for use in Precision Applications using Pulse Width Modulated control systems.			
Case Drain (Option)	Available	Not Available	Available	Not Available
Flow Limiter (Optional)	LS-204N	Do not use	LS-206N	Do not use

Available Models

FMCWS-155F-HYD-206	FMCSC-155FS-HYD-206
FMCSC-155F-HYD-206-PWM	FMCSC-155FS-HYD-206-PWM
FMCWS-155F-HYD-304	FMCSC-155FS-HYD-304
FMCSC-155F-HYD-304-PWM	FMCSC-155FS-HYD-304-PWM

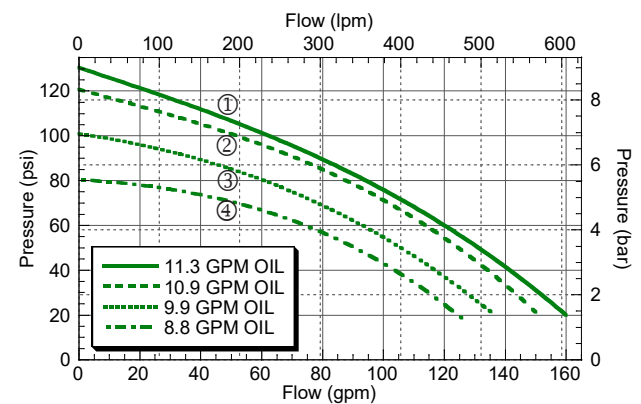
PERFORMANCE

FMCWS-155F-HYD-206



CURVE	-206	
1	6.5 GPM	24.6 LPM
2	5.8 GPM	22.0 LPM
3	5 GPM	19.0 LPM

FMCWS-155F-HYD-304



CURVE	-304	
1	11.3 GPM	42.8 LPM
2	10.9 GPM	41.3 LPM
3	9.9 GPM	37.5 LPM
4	8.8 GPM	33.3 LPM



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255 PRO 5 SERIES

SPECIFICATIONS

Pump Specifications	
Ports	300 x 220 Flange
Max. Flow	260 GPM (984 LPM) for 304 260 GPM (984 LPM) for 306
Max. Pressure	120 PSI (8.3 BAR) for 304 130 PSI (9.0 BAR) for 306
Construction	E-coated Cast Iron or 316 Stainless Steel (FS)
Seal	Carbon ceramic / FKM
Shaft	Stainless Steel
Bearings	Sealed for long life
Impeller	Thermoplastic with Stainless Steel Hub
Wear Ring	Stainless Steel

Motor Specifications

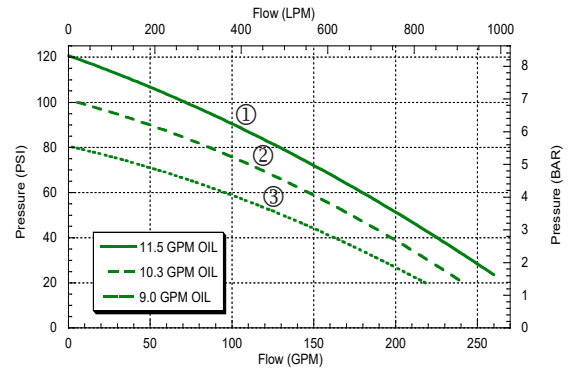
Type	High Efficiency Close Coupled Gear Motor		
Seal	High Pressure Double Lip Teflon		
Internal Coasting Check	Prevents Damaging Pressure Spikes when Turned Off		
Size	-304	-304 PWM	-306
Maximum Flow	11 GPM (41.6 LPM)	16.5 GPM (62.5 LPM)	
Maximum Pressure	2500 PSI (172.4 BAR)	2500 PSI (172.4 BAR)	
Bypass Needle	Up to 9 GPM (34 LPM)	Not included	Up to 9 GPM (34 LPM)
Use on HYD Systems	PC, LS, and OC	PC, LS	PC, LS, and OC
External Reverse Check	✓	✓	✓
Inlet Adapter / Restrictor Body 1/2" FNPT	✓	✗	✓
Restrictor Insert	✓	✗	✓
-304 PWM	Integrated 12V Proportional Control Valve and Pressure Relief Valve for use in Precision Applications using Pulse Width Modulated control systems.		
Case Drain (Option)	Available	Not Available	Not Available
Flow Limiter (Optional)	LS-304N	Do not use	LS-306N

Available Models

FMCWS-255F-HYD-304	FMCWS-255FS-HYD-304
FMCWS-255F-HYD-304-PWM	FMCWS-255FS-HYD-304-PWM
FMCWS-255F-HYD-306	FMCWS-255FS-HYD-306

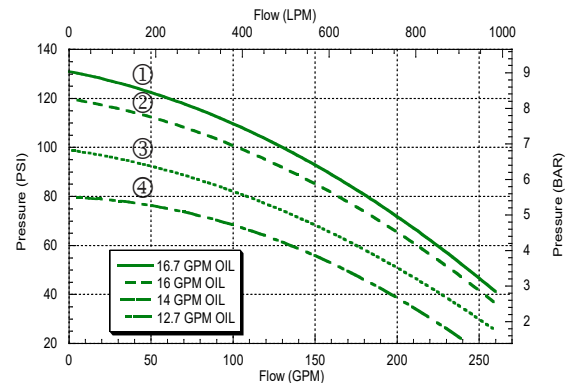
PERFORMANCE

FMCWS-255F-HYD-304



CURVE	-304	
1	11.5 GPM	43.5 LPM
2	10.3 GPM	39.0 LPM
3	9.0 GPM	34.1 LPM

FMCWS-255F-HYD-306



CURVE	-306	
1	16.7 GPM	63.2 LPM
2	16.0 GPM	60.6 LPM
3	14.0 GPM	53.0 LPM
4	12.7 GPM	48.1 LPM