



Certificate of Compliance

This certificate is issued for the following:

**CENTRIFUGAL FIRE PUMPS
SPLIT-CASE TYPE, (AXIAL)**

Prepared for:

**S.A. Armstrong Ltd.
23 Bertrand Ave
Scarborough, Ontario M1L2P3
Canada**

FM Approvals Class: 1311

The pumps listed herein are FM Approved as of December 17, 2013

To verify the future Approval status of these products, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink, appearing to read 'Richard B. Dunne', is written over a white rectangular background.

Richard B. Dunne
Group Manager-Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062

December 17, 2013

Date



Member of the FM Global Group



Certificate of Compliance

Horizontal Mounted

Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min
5x4x12HF	500	1895	41-63	285-435	1780
5x4x12HF	500	1895	41-91	285-625	2100
5x4-10F	500	1895	41-92	285-635	2600
5x4-10F	500	1895	44-120	305-830	2945
5x4-10F	500	1895	46-124	315-855	3000
5x4-10F	500	1895	48-107	330-740	2800
5x4x12HF	500	1895	53-116	365-800	2350
5x4-10F	500	1895	66-175	455-1205	3560
BP-F	500	1895	75-135	515-930	1760
8x6x16F	750	2840	40-76	276-524	1450
6x5x12HF	750	2840	45-68	310-470	1780
6x5x9.5F	750	2840	47-67	324-462	2600
6x5-10F	750	2840	54-92	370-635	2600
6x5x9.5F	750	2840	56-80	386-552	2800
6x5x12MF	750	2840	56-115	386-793	2350
6x5x9.5F	750	2840	63-90	434-620	2945
6x5-10F	750	2840	63-107	435-740	2800
8x6x16F	750	2840	64-116	441-800	1780
6x5x9.5F	750	2840	66-94	455-648	3000
6x5-10F	750	2840	71-117	490-805	2945
6x5x12MF	750	2840	72-143	496-986	2600
6x5-10F	750	2840	74-123	510-850	3000
5x4-10F	750	2840	77-170	530-1170	3560
5x4-10F	750	2840	80-112	550-770	2945
5x4-10F	750	2840	83-116	570-800	3000
6x5x12HF	750	2840	83-126	572-869	2350
5x4-12HF	750	2840	84-107	580-740	2350
6x5x12MF	750	2840	85-167	586-1151	2800
8x6x16F	750	2840	90-164	620-1131	2100
BP-F	750	2840	95-125	655-860	1760
6x5x12MF	750	2840	95-186	655-1282	2945
6x5x9.5F	750	2840	98-137	676-945	3560
8x6x16F	750	2840	99-153	683-1055	2200
6x5-10F	750	2840	110-175	760-1025	3560
8x6x16F	750	2840	115-177	793-1220	2350



Member of the FM Global Group



Certificate of Compliance

Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min
6x5x12MF	750	2840	145-278	1000-1917	3560
6x5-15F	1000	3785	51-96	350-660	1780
8x6x16F	1000	3785	52-73	359-503	1450
8x6-10LF	1000	3785	60-93	415-640	2600
8x6x16F	1000	3785	61-114	421-786	1780
8x6-10LF	1000	3785	63-125	435-860	2945
8x6-10LF	1000	3785	65-129	450-890	3000
6x5x9.5F	1000	3785	73-81	503-558	2945
6x5-15F	1000	3785	75-137	515-945	2100
6x5x9.5F	1000	3785	77-85	531-586	3000
6x5x12HF	1000	3785	77-120	531-827	2350
6x5x9.5F	1000	3785	85-127	586-876	3560
6x5-10F	1000	3785	88-112	605-770	2945
8x6x16F	1000	3785	88-162	605-1117	2100
6x5-10F	1000	3785	92-117	635-805	3000
6x5x12MF	1000	3785	93-134	641-924	2600
8x6x16F	1000	3785	97-152	669-1048	2200
6x5-10F	1000	3785	99-170	685-1170	3560
6x5x12MF	1000	3785	104-177	717-1220	2945
6x5x12MF	1000	3785	111-158	765-1089	2800
8x6x16F	1000	3785	113-175	779-1206	2350
6x5x12MF	1000	3785	135-270	931-1862	3560
6x5-15F	1000	3785	162-236	1115-1625	2960
8x6x12-1/2HF	1250	4730	40-73	275-505	1780
8x6x16F	1250	4730	48-70	331-483	1450
8x6x12-1/2MF	1250	4730	51-78	352-538	2350
8x6x16F	1250	4730	57-112	393-772	1780
8x6x12-1/2HF	1250	4730	58-106	400-730	2100
8x6x10LF	1250	4730	74-120	510-825	2945
6x5-15F	1250	4730	75-92	515-635	1790
8x6x12-1/2HF	1250	4730	76-134	525-925	2350
8x6x10LF	1250	4730	77-125	530-860	3000
6x5-15F	1250	4730	77-133	530-915	2100
8x6x16F	1250	4730	85-158	586-1089	2100
8x6x10LF	1250	4730	89-177	615-1220	3560
6x5-15F	1250	4730	90-170	620-1170	2350
8x6x16F	1250	4730	94-150	648-1034	2200



Member of the FM Global Group



Certificate of Compliance

Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min
8x6x16F	1250	4730	110-173	758-1193	2350
6x5-15F	1250	4730	116-212	800-1460	2600
8x6x12-1/2LF	1250	4730	121-188	835-1295	2945
8x6x12-1/2LF	1250	4730	125-195	860-1345	3000
6x5-15F	1250	4730	136-205	940-1415	2800
8x6x12-1/2LF	1250	4730	140-256	965-1765	3560
6x5x12MF	1250	4730	146-259	1007-1785	3560
6x5-15F	1250	4730	155-229	1070-1580	2960
8x6x15HF	1500	5680	47-72	324-495	1450
8x6x12-1/2HF	1500	5680	50-72	345-495	1780
8x6x15MF	1500	5680	50-103	345-710	1780
BK-F	1500	5680	52-95	360-655	1760
8x6x12-1/2HF	1500	5680	53-103	365-710	2100
8x6x12-1/2MF	1500	5680	72-98	496-676	2350
8x6x16F	1500	5680	72-107	496-738	1780
8x6x12-1/2HF	1500	5680	72-130	495-895	2350
8x6x15MF	1500	5680	74-148	510-1020	2100
8x6x16F	1500	5680	81-154	558-1062	2100
8x6x12-1/2MF	1500	5680	83-126	572-869	2600
8x6x16F	1500	5680	90-146	620-1006	2200
8x6x10LF	1500	5680	95-114	655-785	2945
8x6x15MF	1500	5680	96-187	662-1289	2350
BV-F	1500	5680	100	690	1750
8x6x10LF	1500	5680	100-119	690-820	3000
8x6x15HF	1500	5680	75-112	515-772	1780
8x6x16F	1500	5680	106-170	731-1172	2350
8x6x10LF	1500	5680	109-170	750-1170	3560
8x6x12-1/2MF	1500	5680	111-167	765-1151	2945
6x5-15F	1500	5680	122-164	840-1130	2350
6x5-15F	1500	5680	122-206	840-1420	2600
6x5-15F	1500	5680	128-197	885-1360	2800
6x5-15F	1500	5680	146-223	1005-1540	2960
8x6x12-1/2LF	1500	5680	178-246	1225-1695	3560
10x8x11HF	2000	7570	45-54	310-372	1780
10x8-14HF	2000	7570	54-57	370-395	1450
10x8x11HF	2000	7570	59-80	407-552	2100
10x8-14HF	2000	7570	60-91	415-625	1780



Member of the FM Global Group



Certificate of Compliance

Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min
10x8-14LF	2000	7570	61-85	420-585	1780
8x6x15HF	2000	7570	70-107	483-738	1780
10x8-14HF	2000	7570	73-130	505-895	2100
8x6x15MF	2000	7570	80-96	552-662	1780
8x6x15MF	2000	7570	87-141	600-972	2100
8x6x15MF	2000	7570	87-182	600-1255	2350
10x8-14HF	2000	7570	95-153	655-1055	2350
8x6x16F	2000	7570	120-142	827-979	2100
10x8-14LF	2000	7570	140-202	965-1395	2945
10x8-14HF	2500	7570	80-85	550-585	1780
10x8-14HF	2500	7570	91-127	625-875	2100
10x8x11MF	2000	7570	100-146	690-1007	2945
10x8-14HF	2500	7570	108-149	745-1025	2350
10x8x11HF	2000	7570	128-165	883-1151	2945
10x8-14LF	2500	7570	140-197	965-1360	2945
12x8x18F	2000	7570	59-94	405-650	1480
12x8x18F	2500	9465	54-91	370-625	1480
12x8x18F	2000	7570	89-138	615-950	1780
12x8x18F	2500	9465	84-135	580-930	1780
12x8x18F	3000	11,355	79-131	545-905	1780



Member of the FM Global Group