

CERTIFICATE OF COMPLIANCE

Certificate Number 20140319-EX2864
Report Reference EX2864-19951115
Issue Date 2014-MARCH-19

Issued to: **S A ARMSTRONG**
23 BERTRAND AVE
TORONTO, ON M1L 2P3 CANADA


This is to certify that **CENTRIFUGAL FIRE PUMPS**
representative samples of See Addendum page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ULC/ORD C448, Guide for the Investigation of Pumps for Fire-Protection Service

Additional Information: See the ULC Online Certification Directory at www.ulc.ca for additional information

Only those products bearing the ULC Listing Mark should be considered as being covered by ULC's Listing and Follow-Up Service.

The ULC Listing Mark generally includes the following elements: the symbol ULC in a circle:  with the word "LISTED"; a control number (may be alphanumeric) assigned by ULC; and the product category name (product identifier) as indicated in the appropriate ULC Directory.

To confirm the status, validate the above information via the online directory.

Look for the ULC Listing Mark on the product.



John Arrabito, Vice President and Treasurer

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current ULC requirements.

Centrifugal Fire Pumps - End Suction

Rated Capacity		Size, NPS inlet x outlet	Model Designation	Rated Net Head Pressure Range		Max Discharge Pressure		Approx. Speed, r/m
L/min	USgpm			KPa	psi	KPa	psi	
946	250	4x3	4x3x8.5FM	290-490	42.5-71.5	1550	255	2600
946	250	4x3	4x3x8.5FM	310-635	45-92	1550	255	2945
946	250	4x3	4x3x8.5FM	310-660	45.96	1550	255	3000
946	250	4x3	4x3x8.5FM	390-930	57-135	1550	255	3560
1136	300	4x3	4x3x8.5FM	280-480	41-70	1550	255	2600
1136	300	4x3	4x3x8.5FM	300-630	44-91	1550	255	2945
1136	300	4x3	4x3x8.5FM	310-655	45-95	1550	255	3000
1136	300	4x3	4x3x8.5FM	380-920	55-134	1550	255	3560
1136	300	4x3	4x3-13FM	480-930	70-135	2070	300	2350
1136	300	4x3	4x3-13FM	610-1150	88-167	2070	300	2600
1136	300	4x3	4x3-13FM	820-1530	119-222	2070	300	3000
1136	300	5x4	5x4x11.5FM	285-400	41-57.5	1760	255	1780
1514	400	4x3	4x3x8.5FM	320-460	46-67	1550	255	2600
1514	400	4x3	4x3x8.5FM	340-610	49-88	1550	255	2945
1514	400	4x3	4x3x8.5FM	350-630	51-91.5	1550	255	3000
1514	400	4x3	4x3x8.5FM	330-900	48-131	1550	255	3560
1514	400	4x3	4x3x13FM	450-910	65-132	2070	300	2350
1514	400	4x3	4x3x13FM	570-1120	82-162	2070	300	2600
1514	400	4x3	4x3x13FM	780-1520	113-220	2070	300	3000
1514	400	5x4	5x4x11.5FM	275-390	40-56.5	1760	255	1780
1514	400	6x5	6x5x13FM	310-548	45-79.5	1760	255	1780
1514	400	6x5	6x5x13FM	438-765	63.5-111	1760	255	2100
1514	400	6x5	6x5x13FM	676-1186	98-172	1760	255	2600
1514	400	6x5	6x5x13FM	827-1207	120-175	1760	255	2945
1703	450	4x3	4x3x8.5FM	410-590	60-85.5	1550	255	2945
1703	450	4x3	4x3x8.5FM	430-615	62-89	1550	255	3000
1703	450	4x3	4x3x8.5FM	520-890	76-129	1550	255	3560
1703	450	4x3	4x3-13FM	540-1100	79-160	2070	300	2600
1703	450	4x3	4x3-13FM	760-1500	110-218	2070	300	3000
1703	450	5x4	5x4x11.5FM	285-385	41.6-56	1760	255	1780
1703	450	6x5	6x5x13FM	306-545	44.5-79	1760	255	1780
1703	450	6x5	6x5x13FM	434-762	63-110.5	1760	255	2100
1703	450	6x5	6x5x13FM	672-1179	97.5-171	1760	255	2600
1703	450	6x5	6x5x13FM	827-1203	120-174.5	1760	255	2945

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Centrifugal Fire Pumps - End Suction (cont'd)

Rated Capacity		Size, NPS inlet x outlet	Model Designation	Rated Net Head Pressure Range		Max Discharge Pressure		Approx. Speed, r/m
L/min	USgpm			KPa	psi	KPa	psi	
1892	500	4x3	4x3x8.5FM	630-875	90-127	1550	255	3560
1892	500	4x3	4x3-13FM	600-1090	87-158	2070	300	2600
1892	500	4x3	4x3-13FM	720-1480	105-215	2070	300	3000
1892	500	5x4	5x4x11.5FM	280-385	40.5-55.5	1760	255	1780
1892	500	5x4	5x4x11.5FM	360-540	52-78.5	1760	255	2100
1892	500	5x4	5x4x11.5FM	460-685	66.5-99.5	1760	255	2350
1892	500	5x4	5x4x11.5FM	570-850	82.5-123	1760	255	2600
1892	500	5x4	5x4x11.5FM	665-985	96.5-143	1760	255	2800
1892	500	5x4	5x4x11.5FM	740-1090	107-158	1760	255	2945
1892	500	5x4	5x4x11.5FM	765-1135	111-164	1760	255	3000
1892	500	5x4	5x4x11.5FM	1090-1215	158-176	1760	255	3560
1892	500	5x4	5x4x11.5FM	1000-1125	145-165	1760	255	3560
1892	500	6x5	6x5-13FM	303-541	44-78.5	1760	255	1780
1892	500	6x5	6x5-13FM	431-758	62.5-110	1760	255	2100
1892	500	6x5	6x5-13FM	669-1172	97-170	1760	255	2600
1892	500	6x5	6x5-13FM	827-1200	120-174	1760	255	2945
1892	500	8x5	8x5x11.5FM	275-360	40-52.5	1723	250	1780
1892	500	8x5	8x5x11.5FM	340-505	49-73.5	1723	250	2100
1892	500	8x5	8x5x11.5FM	440-640	63.5-92.5	1723	250	2350
2839	750	6x5	6x5x13FM	282-524	41-76	1760	255	1780
2839	750	6x5	6x5x13FM	407-738	59-107	1760	255	2100
2839	750	6x5	6x5x13FM	645-1151	93.5-167	1760	255	2600
2839	750	6x5	6x5x13FM	820-1186	119-192	1760	255	2945
2839	750	8x5	8x5x11.5FM	275-350	40.5-50.5	1723	250	1780
2839	750	8x5	8x5x11.5FM	315-495	46-72	1723	250	2100
2839	750	8x5	8x5x11.5FM	415-625	60-91	1723	250	2350
2839	750	8x5	8x5x11.5FM	505-770	73-112	1723	250	2600
2839	750	8x5	8x5x11.5FM	595-895	86-130	1723	250	2800
2839	750	8x5	8x5x11.5FM	660-1000	96-145	1723	250	2945
2839	750	8x5	8x5x11.5FM	690-1040	100-151	1723	250	3000
2839	750	4x3	4x3-13.5FM	1100-1380	160-200	2070	300	3000
2839	750	4x3	5x4x11.5FM	370-505	54-73	1760	255	2100
2839	750	5x4	5x4x11.5FM	415-650	60-94	1760	255	2350
2839	750	5x4	5x4x11.5FM	530-815	76.5-118	1760	255	2600
2839	750	5x4	5x4x11.5FM	625-955	91-138.5	1760	255	2800
2839	750	5x4	5x4x11.5FM	705-1060	102-154	1760	255	2945
2839	750	5x4	5x4x11.5FM	730-1105	106-160	1760	255	3000
2839	750	5x4	5x4x11.5FM	1060-1180	154-171	1760	255	3560

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L/min	USgpm			KPa	psi	KPa	psi	
3785	1000	5x4	5x4x11.5FM	650-750	94.5-109	1760	255	2600
3785	1000	5x4	5x4x11.5FM	660-905	96-131	1760	255	2800
3785	1000	5x4	5x4x11.5FM	670-1005	97.5-146	1760	255	2945
3785	1000	5x4	5x4x11.5FM	660-1055	96-153	1760	255	3000
3785	1000	6x5	6x5x13FM	365-710	53-103	1760	255	2100
3785	1000	6x5	6x5x13FM	607-1124	88-163	1760	255	2600
3785	1000	6x5	6x5x13FM	800-1158	116-168	1760	255	2945
3785	1000	8x5	8x5x11.5FM	380-610	55-88.5	1723	250	2350
3785	1000	8x5	8x5x11.5FM	480-760	68.5-110	1723	250	2600
3785	1000	8x5	8x5x11.5FM	565-890	82-129	1723	250	2800
3785	1000	8x5	8x5x11.5FM	630-985	91.5-143	1723	250	2945
3785	1000	8x5	8x5x11.5FM	655-1025	95-149	1723	250	3000
3785	1000	8x6	8x6x13FM	393-686	57-99.5	1760	255	2100
3785	1000	8x6	8x6x13FM	620-1062	90-154	1760	255	2600
3785	1000	8x6	8x6x13FM	800-1096	116-159	1760	255	2945
4731	1250	6x5	6x5x13FM	558-1089	81-158	1760	255	2600
4731	1250	6x5	6x5x13FM	758-1117	110-162	1760	255	2945
4731	1250	8x5	8x5x11.5FM	575-725	83.5-105	1723	250	2600
4731	1250	8x5	8x5x11.5FM	640-860	92.5-125	1723	250	2800
4731	1250	8x5	8x5x11.5FM	595-965	86.5-140	1723	250	2945
4731	1250	8x5	8x5x11.5FM	620-1000	90-145	1723	250	3000
4731	1250	8x6	8x6x13FM	372-662	54-96	1760	255	2100
4731	1250	8x6	8x6x13FM	600-1045	87-151.5	1760	255	2600
4731	1250	8x6	8x6x13FM	783-1076	113.5-156	1760	255	2945
5680	1500	8x5	8x5x11.5FM	765-915	111-133	1723	250	2945
5680	1500	8x5	8x5x11.5FM	805-955	117-138.5	1723	250	3000
5680	1500	8x6	8x6x13FM	572-1014	83-147	1760	255	2600
5680	1500	8x6	8x6x13FM	758-1048	110-152	1760	255	2945

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