

CERTIFICATE OF COMPLIANCE

Certificate Number 20131227-EX5053
Report Reference EX5053-19960701
Issue Date 2013-DECEMBER-27

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


This is to certify that representative samples of CENTRIFUGAL FIRE PUMPS, END SUCTION
See Addendum page

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

Standard(s) for Safety: ANSI/UL 448, Centrifugal Stationary Pumps for Fire-Protection Service

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

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

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

Look for the UL Listing Mark on the product.



William R. Carney, Director, North American Certification Programs
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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 UL requirements.

Fire pumps, centrifugal end suction.

Rated Capacity, gal/min	Size, in.	Type Designation	Rated Net Head Pressure Range, psi	Maximum Working Pressure	Approximate Speed rpm
250	4 x 3	4 x 3 x 8.5FM	42.5-71.5	225	2600
250	4 x 3	4 x 3 x 8.5FM	45-92	225	2945
250	4 x 3	4 x 3 x 8.5FM	45-96	225	3000
250	4 x 3	4 x 3 x 8.5FM	57-135	225	3560
300	4 x 3	4 x 3 x 8.5FM	41-70	225	2600
300	4 x 3	4 x 3 x 8.5FM	44-91	225	2945
300	4 x 3	4 x 3 x 8.5FM	45-95	225	3000
300	4 x 3	4 x 3 x 8.5FM	55-134	225	3560
300	4 x 3	4 x 3 x 13FM	70-135	300	2350
300	4 x 3	4 x 3 x 13FM	88-167	300	2600
300	4 x 3	4 x 3 x 13FM	114-212	300	2945
300	4 x 3	4 x 3 x 13FM	119-222	300	3000
400	4 x 3	4 x 3 x 8.5FM	46-67	225	2600
400	4 x 3	4 x 3 x 8.5FM	49-88	225	2945
400	4 x 3	4 x 3 x 8.5FM	51-91.5	225	3000
400	4 x 3	4 x 3 x 8.5FM	48-131	225	3560
400	4 x 3	4 x 3 x 13FM	65-132	300	2350
400	4 x 3	4 x 3 x 13FM	82-162	300	2600
400	4 x 3	4 x 3 x 13FM	109-211	300	2945
400	4 x 3	4 x 3 x 13FM	113-220	300	3000
450	4 x 3	4 x 3 x 8.5FM	60-85.5	225	2945
450	4 x 3	4 x 3 x 8.5FM	62-89	225	3000
450	4 x 3	4 x 3 x 8.5FM	76-129	225	3560
450	4 x 3	4 x 3 x 13FM	79-160	300	2600
450	4 x 3	4 x 3 x 13FM	106-210	300	2945
450	4 x 3	4 x 3 x 13FM	110-218	300	3000
500	4 x 3	4 x 3 x 8.5FM	90-127	225	3560
500	4 x 3	4 x 3 x 13FM	87-158	300	2600
500	4 x 3	4 x 3 x 13FM	101-209	300	2945
500	4 x 3	4 x 3 x 13FM	105-215	300	3000
300	5 x 4	5 x 4 x 11.5FM	57.5-41	255	1780
350	5 x 4	5 x 4 x 11.5FM	57.40-40.5	255	1780



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			Head Pressure Range, psi		
400	5 x 4	5 x 4 x 11.5FM	56.5-40	255	1780
450	5 x 4	5 x 4 x 11.5FM	56-41.5	255	1780
500	5 x 4	5 x 4 x 11.5FM	55.5-40.5	255	1780
500	5 x 4	5 x 4 x 11.5FM	78.5-52	255	2100
750	5 x 4	5 x 4 x 11.5FM	73-54	255	2100
500	5 x 4	5 x 4 x 11.5FM	99.5-66.5	255	2350
750	5 x 4	5 x 4 x 11.5FM	94-60	255	2350
500	5 x 4	5 x 4 x 11.5FM	123-82.5	255	2600
750	5 x 4	5 x 4 x 11.5FM	118-76.5	255	2600
1000	5 x 4	5 x 4 x 11.5FM	109-94.5	255	2600
500	5 x 4	5 x 4 x 11.5FM	143-96.5	255	2800
750	5 x 4	5 x 4 x 11.5FM	138.5-91	255	2800
1000	5 x 4	5 x 4 x 11.5FM	131-96	255	2800
500	5 x 4	5 x 4 x 11.5FM	158-107	255	2945
750	5 x 4	5 x 4 x 11.5FM	154-102	255	2945
1000	5 x 4	5 x 4 x 11.5FM	146-97.5	255	2945
500	5 x 4	5 x 4 x 11.5FM	164-111	255	3000
750	5 x 4	5 x 4 x 11.5FM	160-106	255	3000
1000	5 x 4	5 x 4 x 11.5FM	153-96	255	3000
500	5 x 4	5 x 4 x 11.5FM	176-158	255	3560
750	5 x 4	5 x 4 x 11.5FM	171-154	255	3560
1000	5 x 4	5 x 4 x 11.5FM	163-145	255	3560
500	8 x 5	8 x 5 x 11.5FM	52.5-40	250	1780
750	8 x 5	8 x 5 x 11.5FM	50.5-40.5	250	1780
500	8 x 5	8 x 5 x 11.5FM	73.5-49	250	2100
750	8 x 5	8 x 5 x 11.5FM	72-46	250	2100
500	8 x 5	8 x 5 x 11.5FM	92.5-63.5	250	2350
750	8 x 5	8 x 5 x 11.5FM	91-60	250	2350
1000	8 x 5	8 x 5 x 11.5FM	88.5-55	250	2350
750	8 x 5	8 x 5 x 11.5FM	112-73	250	2600
1000	8 x 5	8 x 5 x 11.5FM	110-68.5	250	2600
1250	8 x 5	8 x 5 x 11.5FM	105-83.5	250	2600
750	8 x 5	8 x 5 x 11.5FM	130-86	250	2800
1000	8 x 5	8 x 5 x 11.5FM	129-82	250	2800
1250	8 x 5	8 x 5 x 11.5FM	125-92.5	250	2800



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750	8 x 5	8 x 5 x 11.5FM	145-96	250	2945
1000	8 x 5	8 x 5 x 11.5FM	143-91.5	250	2945
1250	8 x 5	8 x 5 x 11.5FM	140-86.5	250	2945
1500	8 x 5	8 x 5 x 11.5FM	133-111	250	2945
750	8 x 5	8 x 5 x 11.5FM	151-100	250	3000
1000	8 x 5	8 x 5 x 11.5FM	149-95	250	3000
1250	8 x 5	8 x 5 x 11.5FM	145-90	250	3000
1500	8 x 5	8 x 5 x 11.5FM	138.5-117	250	3000
1000	8 x 6	8 x 6 x 13FM	57-99.5	255	2100
1250	8 x 6	8 x 6 x 13FM	54-96	255	2100
1000	8 x 6	8 x 6 x 13FM	90-154	255	2600
1250	8 x 6	8 x 6 x 13FM	87-151.5	255	2600
1500	8 x 6	8 x 6 x 13FM	83-147	255	2600
1000	8 x 6	8 x 6 x 13FM	116-159	255	2945
1250	8 x 6	8 x 6 x 13FM	113.5-156	255	2945
1500	8 x 6	8 x 6 x 13FM	110-152	255	2945
1750	8 x 6	8 x 6 x 13FM	106-147	255	2945
400	6 x 5	6 x 5 x 13FM	45-79.5	255	1780
450	6 x 5	6 x 5 x 13FM	44.5-79.0	255	1780
500	6 x 5	6 x 5 x 13FM	44-78.5	255	1780
750	6 x 5	6 x 5 x 13FM	41-76.0	255	1780
400	6 x 5	6 x 5 x 13FM	63.5-111.0	255	2100
450	6 x 5	6 x 5 x 13FM	63.0-110.5	255	2100
500	6 x 5	6 x 5 x 13FM	62.5-110	255	2100
750	6 x 5	6 x 5 x 13FM	59.0-107.0	255	2100
1000	6 x 5	6 x 5 x 13FM	53.0-103.0	255	2100
400	6 x 5	6 x 5 x 13FM	98.0-172.0	255	2600
450	6 x 5	6 x 5 x 13FM	97.5-171.0	255	2600
500	6 x 5	6 x 5 x 13FM	97.0-170.0	255	2600
750	6 x 5	6 x 5 x 13FM	93.5-167.0	255	2600
1000	6 x 5	6 x 5 x 13FM	88.0-163.0	255	2600
1250	6 x 5	6 x 5 x 13FM	81.0-158.0	255	2600
400	6 x 5	6 x 5 x 13FM	120.0-175.0	255	2945
450	6 x 5	6 x 5 x 13FM	120.0-174.5	255	2945



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500	6 x 5	6 x 5 x 13FM	120.0-174.0	255	2945
750	6 x 5	6 x 5 x 13FM	119.0-192.0	255	2945
1000	6 x 5	6 x 5 x 13FM	116.0-168.0	255	2945
1250	6 x 5	6 x 5 x 13FM	110.0-162.0	255	2945



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