

CERTIFICATE OF COMPLIANCE

Certificate Number 20170502-EX2864
Report Reference EX2864-19960506
Issue Date 2017-MAY-02

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

This is to certify that representative samples of CENTRIFUGAL FIRE PUMPS, SPLIT CASE
See Addendum Page for Models

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

Standard(s) for Safety: 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 Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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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.

<u>Rated Capacity, gal/min</u>	<u>Size, in.</u>	<u>Type Designation</u>	<u>Rated Net Head Pressure Range, psi</u>	<u>Maximum Working Pressure</u>	<u>Approximate Speed rpm</u>
<u>Single Stage</u>					
500	5 X 4	5 X 4 X 10F	41-92	350	2600
500	5 X 4	5 X 4 X 10F	48-107	350	2800
500	5 X 4	5 X 4 X 10F	44-120	350	2945
500	5 X 4	5 X 4 X 10F	46-125	350	3000
500	5 X 4	5 X 4 X 10F	66-175	350	3560
500	5 X 4	5 X 4 X 12HF	41-64	200	1780
500	5 X 4	5 X 4 X 12HF	41-91	200	2100
500	5 X 4	5 X 4 X 12HF	52-117	200	2350
500	5 x 4	5 x 4 x 17F	45-91	385	1480
500	5 x 4	5 x 4 x 17F	97-135	385	1780
500	5 x 4	5 x 4 x 17F	100-195	385	2100
500	5 x 4	5 x 4 x 17F	109-244	385	2350
500	5 x 4	5 x 4 x 17F	135-282	385	2600
500	5 x 4	5 x 4 x 17F	175-253	385	2945
500	5 x 4	5 x 4 x 17F	180-260	385	2985
500	5 x 4	5 x 4 x 17F	182-262	385	3000
500	5 x 4	5 x 4 x 17F	251-293	385	3560
500	6 x 5	6 x 5 x 12F	89-111	360	2350
500	6 x 5	6 x 5 x 12F	90-135	360	2600
500	6 x 5	6 x 5 x 12F	121-184	360	3000
500	6 x 5	6 x 5 x 12F	117-177	360	2945
500	6 x 5	6 x 5 x 12F	149-260	360	3560
750	5 X 4	5 X 4 X 10F	80-112	350	2945
750	5 X 4	5 X 4 X 10F	84-116	350	3000
750	5 X 4	5 X 4 X 10F	77-170	350	3560
750	5 X 4	5 X 4 X 12HF	84-110	200	2350
750	5 x 4	5 x 4 x 17F	86-125	385	1780
750	5 x 4	5 x 4 x 17F	89-186	385	2100

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<u>Single Stage</u>					
750	5 x 4	5 x 4 x 17F	102-236	385	2350
750	5 x 4	5 x 4 x 17F	126-276	385	2600
750	5 x 4	5 x 4 x 17F	197-250	385	2985
750	5 x 4	5 x 4 x 17F	173-253	385	3000
750	6 X 5	6 X 5 X 9.5F	47-67	235	2600
750	6 X 5	6 X 5 X 9.5F	55-80	235	2800
750	6 X 5	6 X 5 X 9.5F	63-90	235	2945
750	6 X 5	6 X 5 X 9.5F	66-93	235	3000
750	6 X 5	6 X 5 X 9.5F	98-137	235	3560
750	6 X 5	6 X 5 X 10F	56-92	350	2600
750	6 X 5	6 X 5 X 10F	63-107	350	2800
750	6 X 5	6 X 5 X 10F	71-117	350	2945
750	6 X 5	6 X 5 X 12F	82-101	360	2350
750	6 X 5	6 X 5 X 12F	80-127	360	2600
750	6 X 5	6 X 5 X 12F	111-177	360	3000
750	6 X 5	6 X 5 X 12F	107-170	360	2945
750	6 X 5	6 X 5 X 12F	140-253	360	3560



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<u>Single Stage</u>					
750	6 X 5	6 X 5 X 10F	75-123	350	3000
750	6 X 5	6 X 5 X 10F	110-175	350	3560
750	6 X 5	6 X 5 X 12HF	45-68	360	1780
750	6 X 5	6 X 5 X 12HF	83-126	360	2350
750	6 X 5	6 X 5 X 12MF	56-115	360	2350
750	6 X 5	6 X 5 X 12MF	72-143	360	2600
750	6 X 5	6 X 5 X 12MF	85-167	360	2800
750	6 X 5	6 X 5 X 12MF	95-186	360	2945
750	6 X 5	6 X 5 X 12MF	144-277	360	3560
750	8 X 6	8 X 6 X 16F	40-75	255	1450
750	8 X 6	8 X 6 X 16F	64-116	255	1780
750	8 X 6	8 X 6 X 16F	90-164	255	2100
750	8 X 6	8 X 6 X 16F	99-153	255	2200
750	8 X 6	8 X 6 X 16F	114-176	255	2350
1000	6 X 5	6 X 5 X BN-F	75-125	200	1775
1000	6 X 5	6 X 5 X BN-F	86-115	200	1900
1000	6 X 5	6 X 5 X 9.5F	73-81	235	2945
1000	6 X 5	6 X 5 X 9.5F	77-85	235	3000
1000	6 X 5	6 X 5 X 9.5F	85-128	235	3560
1000	6 X 5	6 X 5 X 10F	88-112	350	2945
1000	6 X 5	6 X 5 X 10F	92-117	350	3000
1000	6 X 5	6 X 5 X 10F	99-170	350	3560
1000	6 X 5	6 X 5 X 12HF	77-120	360	2350
1000	6 X 5	6 X 5 X 12MF	93-134	360	2600
1000	6 X 5	6 X 5 X 12MF	111-158	360	2800
1000	6 X 5	6 X 5 X 12MF	104-177	360	2945



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1000	6 X 5	6 X 5 X 12MF	135-270	360	3560
1000	6 X 5	6 X 5 X 15F	51-96	350	1780
1000	6 X 5	6 X 5 X 15F	75-137	350	2100
1000	8 X 6	8 X 6 X 10LF	60-95	200	2600
1000	8 X 6	8 X 6 X 10LF	63-125	225	2945
1000	8 X 6	8 X 6 X 10LF	66-130	225	3000
1000	8 X 6	8 X 6 X 16F	50-72	255	1450
1000	8 X 6	8 X 6 X 16F	61-113	255	1780
1000	8 X 6	8 X 6 X 16F	87-162	255	2100
1000	8 X 6	8 X 6 X 16F	96-152	255	2200
1000	8 X 6	8 X 6 X 16F	111-175	255	2350
1000	6 X 5	6 X 5 X 12F	127-163	360	3000
1000	6 X 5	6 X 5 X 12F	121-156	360	2945
1000	6 X 5	6 X 5 X 12F	126-241	360	3560
1250	6 X 5	6 X 5 X 12MF	146-258	360	3560
1250	8 X 6	8 X 6 X 12-1/2MF	51-78	275	2350
1250	6 X 5	6 X 5 X 15F	75-92	350	1790
1250	6 X 5	6 X 5 X 15F	77-133	350	2100
1250	6 X 5	6 X 5 X 15F	90-170	350	2350
1250	6 X 5	6 X 5 X 15F	116-212	350	2600
1250	6 X 5	6 X 5 X 15F	136-205	350	2800
1250	6 X 5	6 X 5 X 15F	155-229	350	2960
1250	8 X 6	8 X 6 X 10LF	75-120	225	2945
1250	8 X 6	8 X 6 X 10LF	78-125	225	3000
1250	8 X 6	8 X 6 X 10LF	89-180	275	3560
1250	8 X 6	8 X 6 X 12-1/2LF	121-190	250	2945
1250	8 X 6	8 X 6 X 12-1/2LF	125-195	250	3000
1250	8 X 6	8 X 6 X 12-1/2LF	140-256	360	3560
1250	8 X 6	8 X 6 X 12-1/2HF	40-174	200	1780
1250	8 X 6	8 X 6 X 12-1/2HF	59-106	200	2100
1250	8 X 6	8 X 6 X 12-1/2HF	76-135	225	2350
1250	8 X 6	8 X 6 X 16F	46-68	255	1450
1250	8 X 6	8 X 6 X 16F	57-110	255	1780
1250	8 X 6	8 X 6 X 16F	84-158	255	2100
1250	8 X 6	8 X 6 X 16F	92-150	255	2200

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1250	8 X 6	8 X 6 X 16F	108-172	255	2350
1500	6 X 5	6 X 5 X 15F	122-164	350	2350
1500	6 X 5	6 X 5 X 15F	122-207	350	2600
1500	6 X 5	6 X 5 X 15F	128-197	350	2800
1500	6 X 5	6 X 5 X 15F	146-223	350	2960
1500	8 X 6	8 X 6 X 10LF	95-115	225	2945
1500	8 X 6	8 X 6 X 10LF	100-120	225	3000
1500	8 X 6	8 X 6 X 10LF	109-175	275	3560
1500	8 X 6	8 X 6 X 12-1/2MF	72-98	275	2350
1500	8 X 6	8 X 6 X 12-1/2MF	82-126	275	2600
1500	8 X 6	8 X 6 X 12-1/2MF	111-167	275	2945
1500	8 X 6	8 X 6 X 12-1/2LF	178-246	360	3560
1500	8 X 6	8 X 6 X 12-1/2HF	50-72	200	1780
1500	8 X 6	8 X 6 X 12-1/2HF	54-103	200	2100
1500	8 X 6	8 X 6 X 12-1/2HF	72-130	225	2350
1500	8 X 6	8 X 6 X 15HF	47-72	275	1450
1500	8 X 6	8 X 6 X 15HF	75-112	275	1780
1500	8 X 6	8 X 6 X 15MF	50-103	275	1780
1500	8 X 6	8 X 6 X 15MF	74-148	275	2100
1500	8 X 6	8 X 6 X 15MF	96-187	275	2350
1500	8 X 6	8 X 6 X 16F	72-105	255	1780



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1500	8 X 6	8 X 6 X 16F	78-154	255	2100
1500	8 X 6	8 X 6 X 16F	88-146	255	2200
1500	8 X 6	8 X 6 X 16F	104-167	255	2350
2000	8 X 6	8 X 6 X 15HF	70-107	275	1780
2000	8 X 6	8 X 6 X 15MF	79-96	275	1780
2000	8 X 6	8 X 6 X 15MF	87-141	275	2100
2000	8 X 6	8 X 6 X 15MF	87-182	275	2350
2000	8 X 6	8 X 6 X 16F	120-142	255	2100
2000	10 X 8	10 X 8 X BK-F	40-85	200	1750
2000	10 X 8	10 X 8 X BU-F	106-133	200	1750
2000	10 X 8	10 X 8 X BU-F	125-157	200	1900
2000	10 X 8	10 X 8 X 11MF	100-146	275	2945
2000	10 X 8	10 X 8 X 11HF	45-53	275	1780
2000	10 X 8	10 X 8 X 11HF	59-80	275	2100
2000	10 X 8	10 X 8 X 11HF	128-165	275	2945
2000	10 X 8	10 X 8 X 14LF	61-85	325	1780
2000	10 X 8	10 X 8 X 14LF	140-217	325	2945
2000	10 X 8	10 X 8 X 14HF	54-57	275	1450
2000	10 X 8	10 X 8 X 14HF	60-91	275	1780
2000	10 X 8	10 X 8 X 14HF	73-131	275	2100
2000	10 X 8	10 X 8 X 14HF	95-154	275	2350
2000	12 x 8	12 x 8 x 18F	59-94	275	1480
2000	12 x 8	12 x 8 x 18F	89-138	275	1780
2500	10 X 8	10 X 8 X 14HF	80-85	275	1780
2500	10 X 8	10 X 8 X 14HF	91-127	275	2100
2500	10 X 8	10 X 8 X 14HF	108-150	275	2350
2500	10 X 8	10 X 8 X 14LF	140-212	325	2945
2500	12 x 8	12 x 8 x 18F	54-91	275	1480
2500	12 x 8	12 x 8 x 18F	84-135	275	1780
3000	12 x 8	12 x 8 x 18F	79-131	275	1780



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