

CERTIFICATE OF COMPLIANCE

Certificate Number 20140804-EX6154
Report Reference EX6154-20020611
Issue Date 2014-AUGUST-04

Issued to: RUHRPUMPEN S A DE C V
NIQUEL N 9204 INTERIOR C
CIUDAD INDUSTRIAL MITRAS
66000 GARCIA NL MEXICO


This is to certify that representative samples of CENTRIFUGAL FIRE PUMPS, VERTICAL TURBINE
Please see addendum

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

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

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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Centrifugal Fire Pumps - Vertical turbine type.

The following pumps are oil or water lubricated line shaft.

Rated Capacity, GPM	Model Dsg	Rated Net Pressure Range, psi	Approx Speed, RPM	Number of Stages	Minimum Submergence, in
450	10B-40	40 - 63	2800	1	17
450	10B-40	45 - 71	2960	1	17
450	10B-40	47 - 73	3000	1	17
450	10B-40	81 - 126	2800	2	17
450	10B-40	91 - 142	2960	2	17
450	10B-40	94 - 146	3000	2	17
450	10C67	48 - 211	1760	3-9	12
500	10B-40	40 - 62	2800	1	17
500	10B-40	45 - 70	2960	1	17
500	10B-40	46 - 72	3000	1	17
500	10B-40	79 - 124	2800	2	17
500	10B-40	89 - 140	2960	2	17
500	10B-40	92 - 144	3000	2	17
500	10C67	46 - 209	1760	3-9	12
750	12C-135	47-132	1465	3-6	221
750	12C-135	46-197	1760	2-6	221
1000	12C-135	44-60	1760	2	221
1000	12C-135	66-91	1760	3	221
1000	12C-135	88-121	1760	4	221
1000	12C-135	110-151	1760	5	221
1000	12C-135	132-182	1760	6	221
1500	15C-277	53-141	1465	2-4	215
1500	15C-277	40-212	1760	1-4	215
1500	14D275	62-87	1770	2	28
1500	14D275	96-130	1770	3	28
1500	14D275	93 - 214	1770	3-5	28
2000	15C-277	40-49	1760	1	215
2000	15C-277	80-97	1760	2	215
2000	15C-277	120-146	1760	3	215
2000	15C-277	160-195	1760	4	215
2000	14D275	56-80	1770	2	28
2000	14D275	84 - 197	1770	3-5	28

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Rated Capacity, gpm	Model	Rated Net Pressure Range, psi	Approx Speed, RPM	Number of Stages	Minimum Submergence, in.
2500	18D410	44-66	1770	1	35
2500	18D410	88-267	1770	2-4	35
2500	24B-440	43-58	1775	1	55
2500	24B-440	86-116	1775	2	55
2500	24B-440	129-232	1775	3-4	55
3000	24B-440	41-56	1775	1	55
3000	24B-440	82-112	1775	2	55
3000	24B-440	123-226	1775	3-4	55
3000	18D410	41-62	1770	1	35
3000	18D410	82-250	1770	2-4	35
3000	20C600	45 - 59	1460	1	48
3000	20C600	90 - 119	1460	2	48
3000	20C600	135 - 179	1460	3	48
3500	20C600	66 - 87	1760	1	48
3500	20C600	132 - 174	1760	2	48
3500	20C600	197 - 261	1760	3	48
3500	20C600	44 - 56	1460	1	48
3500	20C600	88 - 113	1460	2	48
3500	20C600	132 - 170	1460	3	48
3500	24B-440	40-55	1775	1	55
3500	24B-440	80-110	1775	2	55
3500	24B-440	120-221	1775	3-4	55
4000	20C600	64 - 83	1760	1	48
4000	20C600	128 - 166	1760	2	48
4000	20C600	191 - 250	1760	3	48
4500	20C600	64 - 80	1760	1	48
4500	20C600	127 - 161	1760	2	48
4500	20C600	190 - 242	1760	3	48
4500	24B-440	116-145	1775	1	8
4500	24B-440	228-287	1775	2	28
5000	24B-440	113-142	1775	1	8
5000	24B-440	226-281	1775	2	28

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CERTIFICATE OF COMPLIANCE

Certificate Number 20141007-EX5213
Report Reference EX5213-19990122
Issue Date 2014-OCTOBER-07

Issued to: RUHRPUMPEN S A DE C V
Niquel N 9204 Interior C
Ciudad Industrial Mitras
66000 Garcia, NI MEXICO

This is to certify that
representative samples of CENTRIFUGAL FIRE PUMPS, SPLIT CASE
SEE ADDENDUM PAGE

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

Standard(s) for Safety: UL 448 STANDARD FOR CENTRIFUGAL STATIONARY
PUMPS FOR FIRE-PROTECTION SERVICE
ULC/ORD C448 GUIDE FOR THE INVESTIGATION OF
PUMPS FOR FIRE PROTECTION SERVICE

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Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services
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Issue Date 2014-OCTOBER-07

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Split Case Horizontal Shaft Type Single Stage, consisting of the following models, capacities, rated net

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
750	6x5	ZW 6x5x12 F	93-131	2600	340
750	6x5	ZW 6x5x12 F	110-152	2800	340
750	6x5	ZW 6x5x12 F	125-171	2960	340
750	6x5	ZW 6x5x12 F	129-176	3000	340
750	6x5	ZW 6x5x12 F	185-253	3550	340
1000	6x5	ZW 6x5x12 F	114-164	2960	340
1000	6x5	ZW 6x5x12 F	118-169	3000	340
1000	6x5	ZW 6x5x12 F	175-243	3550	340
1250	8x6	ZW 8x6x14 F	87-124	2100	440
1250	8x6	ZW 8x6x14 F	112-157	2350	440
1250	8x6	ZW 8x6x14 F	140-194	2600	440
1250	8x6	ZW 8x6x14 F	163-225	2800	440
1250	8x6	ZW 8x6x14 F	184-253	2960	440
1250	8x6	ZW 8x6x14 F	189-260	3000	440
1250	8x6	ZW 8x6x16 F	144-205	2350	430
1250	8x6	ZW 8x6x16 F	177-251	2600	430
1250	8x6	ZW 8x6x16 F	209-292	2800	430
1250	8x6	ZW 8x6x16 F	235-327	2960	430
1250	8x6	ZW 8x6x16 F	241-336	3000	430
1500	8x6	ZW 8x6x16 F	138-200	2350	430
1500	8x6	ZW 8x6x16 F	172-248	2600	430
1500	8x6	ZW 8x6x16 F	203-287	2800	430
1500	8x6	ZW 8x6x16 F	229-323	2960	430
1500	8x6	ZW 8x6x16 F	236-331	3000	430
150	4x3	HSL 3x4x10 A	125-223	3550	250
150	4x3	HSL 3x4x10 A	90-161	3000	250
150	4x3	HSL 3x4x10 A	80-140	2800	250

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
200	4x3	HSL 3x4x10 A	125-222	3550	250
200	4x3	HSL 3x4x10 A	90-159	3000	250
200	4x3	HSL 3x4x10 A	78-138	2800	250
200	4x3	HSL 3x4x10 A	66-122	2600	250
200	4x3	HSL 3x4x10 A	53-99	2350	250
200	4x3	HSL 3x4x10 A	41-77	2100	250
250	4x3	HSL 3x4x10 A	125-221	3550	250
250	4x3	HSL 3x4x10 A	88-157	3000	250
250	4x3	HSL 3x4x10 A	75-136	2800	250
250	4x3	HSL 3x4x10 A	65-119	2600	250
250	4x3	HSL 3x4x10 A	52-98	2350	250
250	4x3	HSL 3x4x10 A	55-75	2100	250
250	4x3	HSD 4X3X17	95-146	1750	215
300	4x3	HSL 3x4x10 A	123-221	3550	250
300	4x3	HSL 3x4x10 A	86-155	3000	250
300	4x3	HSL 3x4x10 A	73-134	2800	250
300	4x3	HSL 3x4x10 A	68-117	2600	250
450	6x4	ZW 6x4x14 B	242-349	3550	430
450	6x4	ZW 6x4x14 B	170-248	3000	430
450	6x4	ZW 6x4x14 B	166-241	2960	430
450	6x4	ZW 6x4x14 B	159-231	2900	430
450	6x4	ZW 6x4x14 B	147-215	2800	430
450	6x4	ZW 6x4x14 B	126-183	2600	430
450	6x4	ZW 6x4x14 B	102-147	2350	430
450	6x4	ZW 6x4x14 F	104 - 146	2350	430
450	6x4	ZW 6x4x14 F	128 - 178	2600	430
450	6x4	ZW 6x4x14 F	141 - 206	2800	430
450	6x4	ZW 6x4x14 F	158 - 231	2960	430
450	6x4	ZW 6x4x14 F	162 - 237	3000	430
450	6x4	ZW 6x4x14 F	231 - 339	3550	430
450	6x5	ZW 6x5x14 F	103 - 153	2350	445
450	6x4	ZW 6x4x8 F	64	2800	200
450	6x4	ZW 6x4x8 F	72	2960	200
450	6x4	ZW 6x4x8 F	74	3000	200
450	6x4	ZW 6x4x8 F	79-104	3550	200
500	8x5	ZW 6x4x14 B	240-347	3550	430
500	8x5	ZW 6x4x14 B	169-246	3000	430
500	8x5	ZW 6x4x14 B	164-239	2960	430

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
500	8x5	ZW 6x4x14 B	157-228	2900	430
500	8x6	HSL 6x8x13 A	49-109	2100	300
500	8x6	HSL 6x8x13 A	60-132	2300	300
500	6x4	HSD 6x4x17 A	68-139	1750	230
500	8x6	HSL 6x8x13 A	79-167	2600	300
500	8x6	HSL 6x8x13 A	92-194	2800	300
500	8x6	HSL 6x8x13 A	105-223	3000	300
500	6x4	HSR 4X6X11 B	123-180	3600	265
500	8x6	HSL 6x8x13 A	143-222	3500	300
500	6x4	HSD 6x4x9 B	54-140	3500	200
500	6x4	HSD 6x4x9 B	47-102	3000	200
500	6x4	HSD 6x4x9 B	40-88	2800	200
500	6x4	HSD 6x4x9 B	40-74	2600	200
500	6x4	ZW 6x4x14 F	100 - 145	2350	430
500	6x4	ZW 6x4x14 F	126 - 176	2600	430
500	6x4	ZW 6x4x14 F	139 - 204	2800	430
500	6x4	ZW 6x4x14 F	157 - 229	2960	430
500	6x4	ZW 6x4x14 F	161 - 235	3000	430
500	6x4	ZW 6x4x14 F	229 - 337	3550	430
500	6x5	ZW 6x5x14 F	99 - 147	2350	445
500	6x5	ZW 6x5x14 F	126 - 183	2600	445
500	6x5	ZW 6x5x14 F	149 - 216	2800	445
500	6x5	ZW 6x5x14 F	167 - 242	2960	445
500	6x5	ZW 6x5x14 F	172 - 248	3000	445
500	6x4	ZW 6x4x8 F	63	2800	200
500	6x4	ZW 6x4x8 F	71	2960	200
500	6x4	ZW 6x4x8 F	73	3000	200
500	6x4	ZW 6x4x8 F	78-103	3550	200
500	8x5	ZW 8x5x8 F	47-58	2600	200
500	8x5	ZW 8x5x8 F	55-67	2800	200
500	8x5	ZW 8x5x8 F	62-76	2960	200
500	8x5	ZW 8x5x8 F	64-78	3000	200
500	8x5	ZW 8x5x8 F	91-108	3550	200
500	8x6	ZW 8x6x8 F	56-69	2800	200
500	8x6	ZW 8x6x8 F	63-78	2960	200
500	8x6	ZW 8x6x8 F	65-80	3000	200

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750	8x6	HSL 6x8x13 A	44-108	2100	300
750	8x6	HSL 6x8x13 A	55-130	2300	300
750	8x6	HSL 6x8x13 A	74-164	2600	300
750	8x6	HSL 6x8x13 A	87-190	2800	300
750	6x4	HSD 6X4X17 A	93-142	1750	230
750	8x6	HSL 6x8x13 A	103-219	3000	300
750	8x6	HSD 8X6X20	107-197	1750	230
750	8x6	HSL 6x8x13 A	142-221	3500	300
750	8x6	HSD 8x6x17 A	44-90	1480	200
750	8x5	ZW 8x5x12 F	118-180	3000	340
750	8x5	ZW 8x5x10 F	86-120	3000	260
750	8x5	ZW 8x5x12 F	115-175	2960	340
750	8x5	ZW 8x5x10 F	83-116	2960	260
750	8x5	ZW 8x5x12 F	110-168	2900	340
750	8x5	ZW 8x5x10 F	80-111	2900	260
750	8x5	ZW 8x5x12 F	102-156	2800	340
750	8x5	ZW 8x5x10 F	74-103	2800	260
750	8x5	ZW 8x5x12 F	88-134	2600	340
750	8x5	ZW 8x5x10 F	62-89	2600	260
750	8x5	ZW 8x5x12 F	71-109	2350	340
750	6x5	ZW 6x5x14 F	121 - 178	2600	445
750	6x5	ZW 6x5x14 F	140 - 208	2800	445
750	6x5	ZW 6x5x14 F	158 - 234	2960	445
750	6x5	ZW 6x5x14 F	163 - 241	3000	445
750	6x5	ZW 6x5x14 F	233 - 339	3550	445
750	8x5	ZW 8x5x14 F	98 - 159	2350	465
750	8x5	ZW 8x5x14 F	123 - 196	2600	465
750	8x5	ZW 8x5x8 F	45-56	2600	200
750	8x5	ZW 8x5x8 F	52-64	2800	200
750	8x5	ZW 8x5x8 F	59-73	2960	200
750	8x5	ZW 8x5x8 F	60-75	3000	200
750	8x5	ZW 8x5x8 F	85-105	3550	200
750	8x6	ZW 8x6x8 F	54-67	2800	200
750	8x6	ZW 8x6x8 F	61-75	2960	200
750	8x6	ZW 8x6x8 F	62-78	3000	200
750	6x5	ZW 6x5x12 F	93-131	2600	340
750	6x5	ZW 6x5x12 F	110-152	2800	340
750	6x5	ZW 6x5x12 F	125-171	2960	340
750	6x5	ZW 6x5x12 F	129-176	3000	340

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
750	6x5	ZW 6x5x12 F	185-253	3550	340
1000	8x6	HSD 8X6X17	78-137	1750	215
1000	8x6	HSL 6x8x13A	81-188	2800	300
1000	8x6	HSL 6x8x13A	95-216	3000	300
1000	8x6	HSD 8X6X20	106-197	1750	230
1000	8x6	HSL 6x8x13A	83-125	2300	300
1000	8x6	HSL 6x8x13A	89-161	2600	300
1000	8x6	HSD 8x6x9	66-124	3500	200
1000	10x8	HSD 10X8X20 A	68-130	1480	237
1000	8x6	HSD 8x6x17 A	41-89	1480	200
1000	8x6	HSL 6x8x13A	141-222	3500	300
1000	8x5	ZW 8x5x10 F	116-164	3550	260
1000	8x5	ZW 8x5x12 F	114-177	3000	340
1000	8x5	ZW 8x5x10 F	83-116	3000	260
1000	8x5	ZW 8x5x12 F	111-172	2960	340
1000	8x5	ZW 8x5x10 F	81-113	2960	260
1000	8x5	ZW 8x5x12 F	106-165	2900	340
1000	8x5	ZW 8x5x10 F	77-108	2900	260
1000	8x5	ZW 8x5x12 F	98-153	2800	340
1000	8x5	ZW 8x5x10 F	72-100	2800	260
1000	8x5	ZW 8x5x12 F	85-130	2600	340
1000	8x5	ZW 8x5x10 F	60-86	2600	260
1000	8x5	ZW 8x5x12 F	67-105	2350	340
1000	8x5	ZW 8x5x12 F	164-248	3550	340
1000	6x5	ZW 6x5x14 F	222 - 331	3550	445
1000	8x5	ZW 8x5x14 F	92 - 153	2350	465
1000	8x5	ZW 8x5x14 F	115 - 191	2600	465
1000	8x5	ZW 8x5x14 F	137 - 220	2800	465
1000	8x5	ZW 8x5x14 F	154 - 248	2960	465
1000	8x5	ZW 8x5x14 F	158 - 255	3000	465
1000	8x6	ZW 8x6x8 F	50-65	2800	200
1000	8x6	ZW 8x6x8 F	57-73	2960	200
1000	8x6	ZW 8x6x8 F	59-75	3000	200
1000	8x6	ZW 8x6x8 F	88-107	3550	200
1000	6x5	ZW 6x5x12 F	114-164	2960	340
1000	6x5	ZW 6x5x12 F	118-169	3000	340
1000	6x5	ZW 6x5x12 F	175-243	3550	340

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1250	8x6	HSD 8X6X17	75-134	1750	215
1250	8x6	HSD 8X6X20	103-195	1750	230
1250	10x8	HSR 8x10x14A	40-92	1750	200
1250	10x8	HSD 10X8X17 A	42-86	1480	200
1250	8x5	ZW 8x5x12 F	161-245	3550	340
1250	8x5	ZW 8x5x10 F	113-161	3550	260
1250	8x5	ZW 8x5x12 F	110-173	3000	340
1250	8x5	ZW 8x5x10 F	78-112	3000	260
1250	8x5	ZW 8x5x12 F	106-168	2960	340
1250	8x5	ZW 8x5x10 F	75-109	2960	260
1250	8x5	ZW 8x5x12 F	102-161	2900	340
1250	8x5	ZW 8x5x10 F	71-104	2900	260
1250	8x5	ZW 8x5x12 F	94-150	2800	340
1250	8x5	ZW 8x5x10 F	65-96	2800	260
1250	8x5	ZW 8x5x12 F	80-127	2600	340
1250	8x5	ZW 8x5x14 F	127 - 214	2800	465
1250	8x5	ZW 8x5x14 F	145 - 241	2960	465
1250	8x5	ZW 8x5x14 F	149 - 248	3000	465
1250	8x5	ZW 8x5x14 F	219 - 355	3550	465
1250	8x6	ZW 8x6x8 F	81-104	3550	200
1250	8x6	ZW 8x6x14 F	87-124	2100	440
1250	8x6	ZW 8x6x14 F	112-157	2350	440
1250	8x6	ZW 8x6x14 F	140-194	2600	440
1250	8x6	ZW 8x6x14 F	163-225	2800	440
1250	8x6	ZW 8x6x14 F	184-253	2960	440
1250	8x6	ZW 8x6x14 F	189-260	3000	440
1250	8x6	ZW 8x6x16 F	144-205	2350	430
1250	8x6	ZW 8x6x16 F	177-251	2600	430
1250	8x6	ZW 8x6x16 F	209-292	2800	430
1250	8x6	ZW 8x6x16 F	235-327	2960	430
1250	8x6	ZW 8x6x16 F	241-336	3000	430
1500	8x6	HSD 8X6X17	71-130	1750	215
1500	8x6	HSD 8X6X20	100-192	1750	230

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CERTIFICATE OF COMPLIANCE

Certificate Number 20141007-EX5213
Report Reference EX5213-19990122
Issue Date 2014-OCTOBER-07

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1500	10x8	HSD 10X8X20 A	110-187	1750	237
1500	12x8	HSC 8X12X18A	99-153	1750	220
1500	10x8	HSD 10X8X17 A	40-84	1480	200
1500	8x6	HSD 8X6X20 A	69-139	1480	230
1500	8x5	ZW 8x5x12 F	154-241	3550	340
1500	8x5	ZW 8x5x10 F	107-156	3550	260
1500	8x5	ZW 8x5x14 F	206 - 346	3550	465
1500	8x6	ZW 8x6x16 F	138-200	2350	430
1500	8x6	ZW 8x6x16 F	172-248	2600	430
1500	8x6	ZW 8x6x16 F	203-287	2800	430
1500	8x6	ZW 8x6x16 F	229-323	2960	430
1500	8x6	ZW 8x6x16 F	236-331	3000	430
2000	12x8	HSD 8x12x14D	48-86	1750	200
2000	10x8	HSD 10X8X17	86-129	1750	215
2000	10x8	HSD 10X8X20 A	80-182	1750	237
2000	12x8	HSC 8X12X18A	96-150	1750	220
2000	14x8	HSC 8X14X21E	140-232	1775	300
2500	12x10	HSD 12x10x15A	40-89	1750	173
2500	12x10	ZW 12x10x24 F	109-179	1480	372
2500	12x8	HSC 8X12X18A	92-145	1750	220
2500	14x8	HSC 8X14X21E	133-234	1775	300
3000	14x8	HSC 8X14X21E	150-224	1775	300
3000	12x10	ZW 12x10x24 F	106-177	1480	372
3000	12x10	ZW 12x10x24 F	152-250	1750	372
3500	12x10	ZW 12x10x24 F	101-174	1480	372
3500	12x10	ZW 12x10x24 F	147-248	1750	372
3500	14x10	HSC 10x14x26A	130-227	1460	311
4000	14x10	HSC 10x14x26A	128-226	1460	311
4000	16x12	ZW 16x12x20 A	73-118	1480	262
4000	16x12	ZW 16x12x20 F	79-118	1480	262
4000	16x12	ZW 16x12x20 F	113-167	1750	262
4000	16x12	ZW 16x12x20 A	109-170	1775	262
4500	14x10	HSC 10x14x26A	124-223	1460	311
4500	16x12	ZW 16x12x20 A	70-116	1480	262
4500	16x12	ZW 16x12x20 F	76-117	1480	262
4500	16x12	ZW 16x12x20 F	111-166	1750	262
4500	16x12	ZW 16x12x20 A	106-169	1775	262
5000	20x14	ZW 20x14x25	118-179	1480	295

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CERTIFICATE OF COMPLIANCE

Certificate Number 20141112-EX5213
Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

Issued to: RUHRPUMPEN S A DE C V
Niquel N 9204 Interior C
Ciudad Industrial Mitras
66000 Garcia, NI MEXICO

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

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

Standard(s) for Safety: UL 448 STANDARD FOR CENTRIFUGAL STATIONARY
PUMPS FOR FIRE-PROTECTION SERVICE
ULC/ORD C448 GUIDE FOR THE INVESTIGATION OF
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.



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CERTIFICATE OF COMPLIANCE

Certificate Number 20141112-EX5213
Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

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

USL, CNL Centrifugal Fire Pumps - Split Case Horizontal Shaft Type Single Stage, consisting of the following models, capacities, rated net pressures:

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
750	6x5	ZW 6x5x12 F	93-131	2600	340
750	6x5	ZW 6x5x12 F	110-152	2800	340
750	6x5	ZW 6x5x12 F	125-171	2960	340
750	6x5	ZW 6x5x12 F	129-176	3000	340
750	6x5	ZW 6x5x12 F	185-253	3550	340
1000	6x5	ZW 6x5x12 F	114-164	2960	340
1000	6x5	ZW 6x5x12 F	118-169	3000	340
1000	6x5	ZW 6x5x12 F	175-243	3550	340
1250	8x6	ZW 8x6x12 F	81-116	2350	285
1250	8x6	ZW 8x6x12 F	101-141	2600	285
1250	8x6	ZW 8x6x12 F	125-175	2900	285
1250	8x6	ZW 8x6x14 F	87-124	2100	440
1250	8x6	ZW 8x6x14 F	112-157	2350	440
1250	8x6	ZW 8x6x14 F	140-194	2600	440
1250	8x6	ZW 8x6x14 F	163-225	2800	440
1250	8x6	ZW 8x6x14 F	184-253	2960	440
1250	8x6	ZW 8x6x14 F	189-260	3000	440
1250	8x6	ZW 8x6x16 F	144-205	2350	430
1250	8x6	ZW 8x6x16 F	177-251	2600	430
1250	8x6	ZW 8x6x16 F	209-292	2800	430
1250	8x6	ZW 8x6x16 F	235-327	2960	430
1250	8x6	ZW 8x6x16 F	241-336	3000	430
1250	10x6	ZW 10x6x12 F	106-147	2600	290
1500	8x6	ZW 8x6x16 F	138-200	2350	430

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Certificate Number 20141112-EX5213
Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1500	8x6	ZW 8x6x16 F	172-248	2600	430
1500	8x6	ZW 8x6x16 F	203-287	2800	430
1500	8x6	ZW 8x6x16 F	229-323	2960	430
1500	8x6	ZW 8x6x16 F	236-331	3000	430
1500	10x6	ZW 10x6x12 F	104-144	2600	290
1500	10x6	ZW 10x6x12 F	120-169	2800	290
1500	10x6	ZW 10x6x12 F	135-190	2960	290
1500	10x6	ZW 10x6x12 F	139-195	3000	290
1500	8x6	ZW 8x6x12 F	99-137	2600	285
1500	8x6	ZW 8x6x12 F	123-172	2900	285
2000	10x6	ZW 10x6x12 F	117-165	2800	290
2000	10x6	ZW 10x6x12 F	131-186	2960	290
2000	10x6	ZW 10x6x12 F	135-191	3000	290
3000	12x10	ZW 12x10x20 F	85-117	1480	257
3000	12x10	ZW 12x10x20 F	123-165	1750	257
3500	12x10	ZW 12x10x20 F	82-116	1480	257
3500	12x10	ZW 12x10x20 F	120-162	1750	257

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CERTIFICATE OF COMPLIANCE

Certificate Number 20141112-EX5213
Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

USL, Centrifugal Fire Pumps - Split Case Horizontal Shaft Type Single Stage, consisting of the following models, capacities, rated net pressures:

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
150	4x3	HSL 3x4x10 A	125-223	3550	250
150	4x3	HSL 3x4x10 A	90-161	3000	250
150	4x3	HSL 3x4x10 A	80-140	2800	250
200	4x3	HSL 3x4x10 A	125-222	3550	250
200	4x3	HSL 3x4x10 A	90-159	3000	250
200	4x3	HSL 3x4x10 A	78-138	2800	250
200	4x3	HSL 3x4x10 A	66-122	2600	250
200	4x3	HSL 3x4x10 A	53-99	2350	250
200	4x3	HSL 3x4x10 A	41-77	2100	250
250	4x3	HSL 3x4x10 A	125-221	3550	250
250	4x3	HSL 3x4x10 A	88-157	3000	250
250	4x3	HSL 3x4x10 A	75-136	2800	250
250	4x3	HSL 3x4x10 A	65-119	2600	250
250	4x3	HSL 3x4x10 A	52-98	2350	250
250	4x3	HSL 3x4x10 A	55-75	2100	250
250	4x3	HSD 4X3X17	95-146	1750	215
300	4x3	HSL 3x4x10 A	123-221	3550	250
300	4x3	HSL 3x4x10 A	86-155	3000	250
300	4x3	HSL 3x4x10 A	73-134	2800	250
300	4x3	HSL 3x4x10 A	68-117	2600	250
450	6x4	ZW 6x4x14 B	242-349	3550	430
450	6x4	ZW 6x4x14 B	170-248	3000	430
450	6x4	ZW 6x4x14 B	166-241	2960	430
450	6x4	ZW 6x4x14 B	159-231	2900	430
450	6x4	ZW 6x4x14 B	147-215	2800	430

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Certificate Number 20141112-EX5213
Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
450	6x4	ZW 6x4x14 B	126-183	2600	430
450	6x4	ZW 6x4x14 B	102-147	2350	430
450	6x4	ZW 6x4x14 F	104 - 146	2350	430
450	6x4	ZW 6x4x14 F	128 - 178	2600	430
450	6x4	ZW 6x4x14 F	141 - 206	2800	430
450	6x4	ZW 6x4x14 F	158 - 231	2960	430
450	6x4	ZW 6x4x14 F	162 - 237	3000	430
450	6x4	ZW 6x4x14 F	231 - 339	3550	430
450	6x5	ZW 6x5x14 F	103 - 153	2350	445
450	6x4	ZW 6x4x8 F	64	2800	200
450	6x4	ZW 6x4x8 F	72	2960	200
450	6x4	ZW 6x4x8 F	74	3000	200
450	6x4	ZW 6x4x8 F	79-104	3550	200

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
500	8x5	ZW 6x4x14 B	240-347	3550	430
500	8x5	ZW 6x4x14 B	169-246	3000	430
500	8x5	ZW 6x4x14 B	164-239	2960	430
500	8x5	ZW 6x4x14 B	157-228	2900	430
500	8x6	HSL 6x8x13 A	49-109	2100	300
500	8x6	HSL 6x8x13 A	60-132	2300	300
500	6x4	HSD 6x4x17 A	68-139	1750	230
500	8x6	HSL 6x8x13 A	79-167	2600	300
500	8x6	HSL 6x8x13 A	92-194	2800	300
500	8x6	HSL 6x8x13 A	105-223	3000	300
500	6x4	HSR 4X6X11 B	123-180	3600	265

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Issue Date 2014-NOVEMBER-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
500	8x6	HSL 6x8x13 A	143-222	3500	300
500	6x4	HSD 6x4x9 B	54-140	3500	200
500	6x4	HSD 6x4x9 B	47-102	3000	200
500	6x4	HSD 6x4x9 B	40-88	2800	200
500	6x4	HSD 6x4x9 B	40-74	2600	200
500	6x4	ZW 6x4x14 F	100 - 145	2350	430
500	6x4	ZW 6x4x14 F	126 - 176	2600	430
500	6x4	ZW 6x4x14 F	139 - 204	2800	430
500	6x4	ZW 6x4x14 F	157 - 229	2960	430
500	6x4	ZW 6x4x14 F	161 - 235	3000	430
500	6x4	ZW 6x4x14 F	229 - 337	3550	430
500	6x5	ZW 6x5x14 F	99 - 147	2350	445
500	6x5	ZW 6x5x14 F	126 - 183	2600	445
500	6x5	ZW 6x5x14 F	149 - 216	2800	445
500	6x5	ZW 6x5x14 F	167 - 242	2960	445
500	6x5	ZW 6x5x14 F	172 - 248	3000	445
500	6x4	ZW 6x4x8 F	63	2800	200
500	6x4	ZW 6x4x8 F	71	2960	200
500	6x4	ZW 6x4x8 F	73	3000	200
500	6x4	ZW 6x4x8 F	78-103	3550	200
500	8x5	ZW 8x5x8 F	47-58	2600	200
500	8x5	ZW 8x5x8 F	55-67	2800	200
500	8x5	ZW 8x5x8 F	62-76	2960	200
500	8x5	ZW 8x5x8 F	64-78	3000	200
500	8x5	ZW 8x5x8 F	91-108	3550	200
500	8x6	ZW 8x6x8 F	56-69	2800	200
500	8x6	ZW 8x6x8 F	63-78	2960	200
500	8x6	ZW 8x6x8 F	65-80	3000	200

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Certificate Number 20141112-EX5213
Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
750	8x6	HSL 6x8x13 A	44-108	2100	300
750	8x6	HSL 6x8x13 A	55-130	2300	300
750	8x6	HSL 6x8x13 A	74-164	2600	300
750	8x6	HSL 6x8x13 A	87-190	2800	300
750	6x4	HSD 6X4X17 A	93-142	1750	230
750	8x6	HSL 6x8x13 A	103-219	3000	300
750	8x6	HSD 8X6X20	107-197	1750	230
750	8x6	HSL 6x8x13 A	142-221	3500	300
750	8x6	HSD 8x6x17 A	44-90	1480	200
750	8x5	ZW 8x5x12 F	118-180	3000	340
750	8x5	ZW 8x5x10 F	86-120	3000	260
750	8x5	ZW 8x5x12 F	115-175	2960	340
750	8x5	ZW 8x5x10 F	83-116	2960	260
750	8x5	ZW 8x5x12 F	110-168	2900	340
750	8x5	ZW 8x5x10 F	80-111	2900	260
750	8x5	ZW 8x5x12 F	102-156	2800	340
750	8x5	ZW 8x5x10 F	74-103	2800	260
750	8x5	ZW 8x5x12 F	88-134	2600	340
750	8x5	ZW 8x5x10 F	62-89	2600	260
750	8x5	ZW 8x5x12 F	71-109	2350	340
750	6x5	ZW 6x5x14 F	121 - 178	2600	445
750	6x5	ZW 6x5x14 F	140 - 208	2800	445
750	6x5	ZW 6x5x14 F	158 - 234	2960	445
750	6x5	ZW 6x5x14 F	163 - 241	3000	445
750	6x5	ZW 6x5x14 F	233 - 339	3550	445
750	8x5	ZW 8x5x14 F	98 - 159	2350	465
750	8x5	ZW 8x5x14 F	123 - 196	2600	465
					Maximum Working

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Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Pressure, psi
750	8x5	ZW 8x5x8 F	45-56	2600	200
750	8x5	ZW 8x5x8 F	52-64	2800	200
750	8x5	ZW 8x5x8 F	59-73	2960	200
750	8x5	ZW 8x5x8 F	60-75	3000	200
750	8x5	ZW 8x5x8 F	85-105	3550	200
750	8x6	ZW 8x6x8 F	54-67	2800	200
750	8x6	ZW 8x6x8 F	61-75	2960	200
750	8x6	ZW 8x6x8 F	62-78	3000	200
750	6x5	ZW 6x5x12 F	93-131	2600	340
750	6x5	ZW 6x5x12 F	110-152	2800	340
750	6x5	ZW 6x5x12 F	125-171	2960	340
750	6x5	ZW 6x5x12 F	129-176	3000	340
750	6x5	ZW 6x5x12 F	185-253	3550	340

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Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1000	8x6	HSD 8X6X17	78-137	1750	215
1000	8x6	HSL 6x8x13A	81-188	2800	300
1000	8x6	HSL 6x8x13A	95-216	3000	300
1000	8x6	HSD 8X6X20	106-197	1750	230
1000	8x6	HSL 6x8x13A	83-125	2300	300
1000	8x6	HSL 6x8x13A	89-161	2600	300
1000	8x6	HSD 8x6x9	66-124	3500	200
1000	10x8	HSD 10X8X20 A	68-130	1480	237
1000	8x6	HSD 8x6x17 A	41-89	1480	200
1000	8x6	HSL 6x8x13A	141-222	3500	300
1000	8x5	ZW 8x5x10 F	116-164	3550	260
1000	8x5	ZW 8x5x12 F	114-177	3000	340
1000	8x5	ZW 8x5x10 F	83-116	3000	260
1000	8x5	ZW 8x5x12 F	111-172	2960	340
1000	8x5	ZW 8x5x10 F	81-113	2960	260
1000	8x5	ZW 8x5x12 F	106-165	2900	340
1000	8x5	ZW 8x5x10 F	77-108	2900	260
1000	8x5	ZW 8x5x12 F	98-153	2800	340
1000	8x5	ZW 8x5x10 F	72-100	2800	260
1000	8x5	ZW 8x5x12 F	85-130	2600	340
1000	8x5	ZW 8x5x10 F	60-86	2600	260
1000	8x5	ZW 8x5x12 F	67-105	2350	340
1000	8x5	ZW 8x5x12 F	164-248	3550	340
1000	6x5	ZW 6x5x14 F	222 - 331	3550	445
1000	8x5	ZW 8x5x14 F	92 - 153	2350	465
1000	8x5	ZW 8x5x14 F	115 - 191	2600	465
1000	8x5	ZW 8x5x14 F	137 - 220	2800	465

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Certificate Number 20141112-EX5213
Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1000	8x5	ZW 8x5x14 F	158 - 255	3000	465
1000	8x6	ZW 8x6x8 F	50-65	2800	200
1000	8x6	ZW 8x6x8 F	59-75	3000	200
1000	8x6	ZW 8x6x8 F	88-107	3550	200
1000	6x5	ZW 6x5x12 F	114-164	2960	340
1000	6x5	ZW 6x5x12 F	118-169	3000	340
1000	6x5	ZW 6x5x12 F	175-243	3550	340

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1250	8x6	HSD 8X6X20	103-195	1750	230
1250	10x8	HSR 8x10x14A	40-92	1750	200
1250	10x8	HSD 10X8X17 A	42-86	1480	200
1250	8x5	ZW 8x5x12 F	161-245	3550	340
1250	8x5	ZW 8x5x10 F	113-161	3550	260
1250	8x5	ZW 8x5x12 F	110-173	3000	340
1250	8x5	ZW 8x5x10 F	78-112	3000	260
1250	8x5	ZW 8x5x12 F	106-168	2960	340
1250	8x5	ZW 8x5x10 F	75-109	2960	260
1250	8x5	ZW 8x5x12 F	102-161	2900	340
1250	8x5	ZW 8x5x10 F	71-104	2900	260
1250	8x5	ZW 8x5x12 F	94-150	2800	340
1250	8x5	ZW 8x5x10 F	65-96	2800	260
1250	8x5	ZW 8x5x12 F	80-127	2600	340
1250	8x5	ZW 8x5x14 F	127 - 214	2800	465
1250	8x5	ZW 8x5x14 F	145 - 241	2960	465
					Maximum Working

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CERTIFICATE OF COMPLIANCE

Certificate Number 20141112-EX5213
Report Reference EX5213-19990122
Issue Date 2014-NOVEMBER-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Pressure, psi
1250	8x5	ZW 8x5x14 F	149 - 248	3000	465
1250	8x5	ZW 8x5x14 F	219 - 355	3550	465
1250	8x6	ZW 8x6x8 F	81-104	3550	200
1250	8x6	ZW 8x6x14 F	87-124	2100	440
1250	8x6	ZW 8x6x14 F	112-157	2350	440
1250	8x6	ZW 8x6x14 F	140-194	2600	440
1250	8x6	ZW 8x6x14 F	163-225	2800	440
1250	8x6	ZW 8x6x14 F	184-253	2960	440
1250	8x6	ZW 8x6x14 F	189-260	3000	440
1250	8x6	ZW 8x6x16 F	144-205	2350	430
1250	8x6	ZW 8x6x16 F	177-251	2600	430
1250	8x6	ZW 8x6x16 F	209-292	2800	430

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1250	8x6	ZW 8x6x16 F	235-327	2960	430
1250	8x6	ZW 8x6x16 F	241-336	3000	430
1250	8x6	ZW 8x6x12 F	81-116	2350	285
1250	8x6	ZW 8x6x12 F	101-141	2600	285
1250	8x6	ZW 8x6x12 F	125-175	2900	285
1250	10x6	ZW 10x6x12 F	106-147	2600	290

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1500	8x6	HSD 8X6X17	71-130	1750	215
1500	8x6	HSD 8X6X20	100-192	1750	230
1500	10x8	HSD 10X8X20 A	110-187	1750	237
1500	12x8	HSC 8X12X18A	99-153	1750	220
1500	10x8	HSD 10X8X17 A	40-84	1480	200
1500	8x6	HSD 8X6X20 A	69-139	1480	230
1500	8x5	ZW 8x5x12 F	154-241	3550	340
1500	8x5	ZW 8x5x10 F	107-156	3550	260
1500	8x5	ZW 8x5x14 F	206 - 346	3550	465
1500	8x6	ZW 8x6x16 F	138-200	2350	430
1500	8x6	ZW 8x6x16 F	172-248	2600	430
1500	8x6	ZW 8x6x16 F	203-287	2800	430
1500	8x6	ZW 8x6x16 F	229-323	2960	430
1500	8x6	ZW 8x6x16 F	236-331	3000	430
1500	10x6	ZW 10x6x12 F	104-144	2600	290
1500	10x6	ZW 10x6x12 F	120-169	2800	290
1500	10x6	ZW 10x6x12 F	135-190	2960	290
1500	10x6	ZW 10x6x12 F	139-195	3000	290
1500	8x6	ZW 8x6x12 F	99-137	2600	285
1500	8x6	ZW 8x6x12 F	123-172	2900	285
2000	12x8	HSC 8x12x14D	48-86	1750	200
2000	10x8	HSD 10X8X17	86-129	1750	215
2000	10x8	HSD 10X8X20 A	80-182	1750	237
2000	12x8	HSC 8X12X18A	96-150	1750	220
2000	14x8	HSC 8X14X21E	140-232	1775	300
2000	10x6	ZW 10x6x12 F	117-165	2800	290
2000	10x6	ZW 10x6x12 F	131-186	2960	290
2000	10x6	ZW 10x6x12 F	135-191	3000	290
2500	12x10	HSD 12x10x15A	40-89	1750	173
2500	12x10	ZW 12x10x24 F	109-179	1480	372
2500	12x8	HSC 8X12X18A	92-145	1750	220
					Maximum

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Working Pressure, psi
3000	14x8	HSC 8X14X21E	150-224	1775	300
3000	12x10	ZW 12x10x24 F	106-177	1480	372
3000	12x10	ZW 12x10x24 F	152-250	1750	372
3000	12x10	ZW 12x10x20 F	85-117	1480	257
3000	12x10	ZW 12x10x20 F	123-165	1750	257
3500	12x10	ZW 12x10x24 F	101-174	1480	372
3500	12x10	ZW 12x10x24 F	147-248	1750	372
3500	14x10	HSC 10x14x26A	130-227	1460	311
3500	12x10	ZW 12x10x20 F	82-116	1480	257
3500	12x10	ZW 12x10x20 F	120-162	1750	257
4000	14x10	HSC 10x14x26A	128-226	1460	311
4000	16x12	ZW 16x12x20 A	73-118	1480	262
4000	16x12	ZW 16x12x20 F	79-118	1480	262
4000	16x12	ZW 16x12x20 F	113-167	1750	262
4000	16x12	ZW 16x12x20 A	109-170	1775	262
4500	14x10	HSC 10x14x26A	124-223	1460	311
4500	16x12	ZW 16x12x20 A	70-116	1480	262
4500	16x12	ZW 16x12x20 F	76-117	1480	262
4500	16x12	ZW 16x12x20 F	111-166	1750	262
4500	16x12	ZW 16x12x20 A	106-169	1775	262
5000	20x14	ZW 20x14x25	118-179	1480	295

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CERTIFICATE OF COMPLIANCE

Certificate Number 20141205-EX5213
Report Reference EX5213-19990122
Issue Date 2014-DECEMBER-05

Issued to: RUHRPUMPEN S A DE C V
Niquel N 9204 Interior C
Ciudad Industrial Mitras
66000 Garcia
NI MEXICO

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

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
ULC Subject C448-1979, Guide for the Investigation of
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.



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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.

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
750	6x5	ZW 6x5x12 F	93-131	2600	340
750	6x5	ZW 6x5x12 F	110-152	2800	340
750	6x5	ZW 6x5x12 F	125-171	2960	340
750	6x5	ZW 6x5x12 F	129-176	3000	340
750	6x5	ZW 6x5x12 F	185-253	3550	340
1000	6x5	ZW 6x5x12 F	114-164	2960	340
1000	6x5	ZW 6x5x12 F	118-169	3000	340
1000	6x5	ZW 6x5x12 F	175-243	3550	340
1250	8x6	ZW 8x6x12 F	81-116	2350	285
1250	8x6	ZW 8x6x12 F	101-141	2600	285
1250	8x6	ZW 8x6x12 F	125-175	2900	285
1250	8x6	ZW 8x6x12 F	116-163	2800	285
1250	8x6	ZW 8x6x12 F	130-183	2960	285
1250	8x6	ZW 8x6x12 F	134-188	3000	285
1250	8x6	ZW 8x6x14 F	87-124	2100	440
1250	8x6	ZW 8x6x14 F	112-157	2350	440
1250	8x6	ZW 8x6x14 F	140-194	2600	440
1250	8x6	ZW 8x6x14 F	163-225	2800	440
1250	8x6	ZW 8x6x14 F	184-253	2960	440
1250	8x6	ZW 8x6x14 F	189-260	3000	440
1250	8x6	ZW 8x6x16 F	144-205	2350	430
1250	8x6	ZW 8x6x16 F	177-251	2600	430
1250	8x6	ZW 8x6x16 F	209-292	2800	430
1250	8x6	ZW 8x6x16 F	235-327	2960	430
1250	8x6	ZW 8x6x16 F	241-336	3000	430
1250	10x6	ZW 10x6x12 F	106-147	2600	290
1500	8x6	ZW 8x6x14 F	158	2800	440
1500	8x6	ZW 8x6x14 F	180-248	2960	440
1500	8x6	ZW 8x6x14 F	185-255	3000	440
1500	8x6	ZW 8x6x16 F	203-287	2800	430
1500	8x6	ZW 8x6x16 F	229-323	2960	430
1500	8x6	ZW 8x6x16 F	236-331	3000	430
1500	10x6	ZW 10x6x12 F	104-144	2600	290
1500	10x6	ZW 10x6x12 F	120-169	2800	290
1500	10x6	ZW 10x6x12 F	135-190	2960	290
1500	10x6	ZW 10x6x12 F	139-195	3000	290
1500	8x6	ZW 8x6x12 F	99-137	2600	285
1500	8x6	ZW 8x6x12 F	123-172	2900	285
1500	8x6	ZW 8x6x12 F	114-159	2800	285
1500	8x6	ZW 8x6x12 F	129-179	2960	285
1500	8x6	ZW 8x6x12 F	132-184	3000	285
2000	10x6	ZW 10x6x12 F	117-165	2800	290
2000	10x6	ZW 10x6x12 F	131-186	2960	290
2000	10x6	ZW 10x6x12 F	135-191	3000	290

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Issue Date 2014-DECEMBER-05

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
3000	12x10	ZW 12x10x20 F	85-117	1480	257
3000	12x10	ZW 12x10x20 F	123-165	1750	257
3500	12x10	ZW 12x10x20 F	82-116	1480	257
3500	12x10	ZW 12x10x20 F	120-162	1750	257

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
150	4x3	HSL 3x4x10 A	125-223	3550	250
150	4x3	HSL 3x4x10 A	90-161	3000	250
150	4x3	HSL 3x4x10 A	80-140	2800	250
200	4x3	HSL 3x4x10 A	125-222	3550	250
200	4x3	HSL 3x4x10 A	90-159	3000	250
200	4x3	HSL 3x4x10 A	78-138	2800	250
200	4x3	HSL 3x4x10 A	66-122	2600	250
200	4x3	HSL 3x4x10 A	53-99	2350	250
200	4x3	HSL 3x4x10 A	41-77	2100	250
250	4x3	HSL 3x4x10 A	125-221	3550	250
250	4x3	HSL 3x4x10 A	88-157	3000	250
250	4x3	HSL 3x4x10 A	75-136	2800	250
250	4x3	HSL 3x4x10 A	65-119	2600	250
250	4x3	HSL 3x4x10 A	52-98	2350	250
250	4x3	HSL 3x4x10 A	55-75	2100	250
250	4x3	HSD 4X3X17	95-146	1750	215
300	4x3	HSL 3x4x10 A	123-221	3550	250
300	4x3	HSL 3x4x10 A	86-155	3000	250
300	4x3	HSL 3x4x10 A	73-134	2800	250
300	4x3	HSL 3x4x10 A	68-117	2600	250
450	6x4	ZW 6x4x14 B	242-349	3550	430
450	6x4	ZW 6x4x14 B	170-248	3000	430
450	6x4	ZW 6x4x14 B	166-241	2960	430
450	6x4	ZW 6x4x14 B	159-231	2900	430
450	6x4	ZW 6x4x14 B	147-215	2800	430
450	6x4	ZW 6x4x14 B	126-183	2600	430
450	6x4	ZW 6x4x14 B	102-147	2350	430
450	6x4	ZW 6x4x14 F	104 - 146	2350	430
450	6x4	ZW 6x4x14 F	128 - 178	2600	430
450	6x4	ZW 6x4x14 F	141 - 206	2800	430
450	6x4	ZW 6x4x14 F	158 - 231	2960	430
450	6x4	ZW 6x4x14 F	162 - 237	3000	430
450	6x4	ZW 6x4x14 F	231 - 339	3550	430
450	6x5	ZW 6x5x14 F	103 - 153	2350	445
450	6x4	ZW 6x4x8 F	64	2800	200
450	6x4	ZW 6x4x8 F	72	2960	200
450	6x4	ZW 6x4x8 F	74	3000	200
450	6x4	ZW 6x4x8 F	79-104	3550	200

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
500	8x5	ZW 6x4x14 B	240-347	3550	430
500	8x5	ZW 6x4x14 B	169-246	3000	430
500	8x5	ZW 6x4x14 B	164-239	2960	430
500	8x5	ZW 6x4x14 B	157-228	2900	430
500	8x6	HSL 6x8x13 A	49-109	2100	300
500	8x6	HSL 6x8x13 A	60-132	2300	300
500	6x4	HSD 6x4x17 A	68-139	1750	230
500	8x6	HSL 6x8x13 A	79-167	2600	300
500	8x6	HSL 6x8x13 A	92-194	2800	300
500	8x6	HSL 6x8x13 A	105-223	3000	300
500	6x4	HSR 4X6X11 B	123-180	3600	265
500	8x6	HSL 6x8x13 A	143-222	3500	300
500	6x4	HSD 6x4x9 B	54-140	3500	200
500	6x4	HSD 6x4x9 B	47-102	3000	200
500	6x4	HSD 6x4x9 B	40-88	2800	200
500	6x4	HSD 6x4x9 B	40-74	2600	200
500	6x4	ZW 6x4x14 F	100 - 145	2350	430
500	6x4	ZW 6x4x14 F	126 - 176	2600	430
500	6x4	ZW 6x4x14 F	139 - 204	2800	430
500	6x4	ZW 6x4x14 F	157 - 229	2960	430
500	6x4	ZW 6x4x14 F	161 - 235	3000	430
500	6x4	ZW 6x4x14 F	229 - 337	3550	430
500	6x5	ZW 6x5x14 F	99 - 147	2350	445
500	6x5	ZW 6x5x14 F	126 - 183	2600	445
500	6x5	ZW 6x5x14 F	149 - 216	2800	445
500	6x5	ZW 6x5x14 F	167 - 242	2960	445
500	6x5	ZW 6x5x14 F	172 - 248	3000	445
500	6x4	ZW 6x4x8 F	63	2800	200
500	6x4	ZW 6x4x8 F	71	2960	200
500	6x4	ZW 6x4x8 F	73	3000	200
500	6x4	ZW 6x4x8 F	78-103	3550	200
500	8x5	ZW 8x5x8 F	47-58	2600	200
500	8x5	ZW 8x5x8 F	55-67	2800	200
500	8x5	ZW 8x5x8 F	62-76	2960	200
500	8x5	ZW 8x5x8 F	64-78	3000	200
500	8x5	ZW 8x5x8 F	91-108	3550	200
500	8x6	ZW 8x6x8 F	56-69	2800	200
500	8x6	ZW 8x6x8 F	63-78	2960	200
500	8x6	ZW 8x6x8 F	65-80	3000	200

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
750	8x6	HSL 6x8x13 A	44-108	2100	300
750	8x6	HSL 6x8x13 A	55-130	2300	300
750	8x6	HSL 6x8x13 A	74-164	2600	300
750	8x6	HSL 6x8x13 A	87-190	2800	300
750	6x4	HSD 6X4X17 A	93-142	1750	230
750	8x6	HSL 6x8x13 A	103-219	3000	300
750	8x6	HSD 8X6X20	107-197	1750	230
750	8x6	HSL 6x8x13 A	142-221	3500	300
750	8x6	HSD 8x6x17 A	44-90	1480	200
750	8x5	ZW 8x5x12 F	118-180	3000	340
750	8x5	ZW 8x5x10 F	86-120	3000	260
750	8x5	ZW 8x5x12 F	115-175	2960	340
750	8x5	ZW 8x5x10 F	83-116	2960	260
750	8x5	ZW 8x5x12 F	110-168	2900	340
750	8x5	ZW 8x5x10 F	80-111	2900	260
750	8x5	ZW 8x5x12 F	102-156	2800	340
750	8x5	ZW 8x5x10 F	74-103	2800	260
750	8x5	ZW 8x5x12 F	88-134	2600	340
750	8x5	ZW 8x5x10 F	62-89	2600	260
750	8x5	ZW 8x5x12 F	71-109	2350	340
750	6x5	ZW 6x5x14 F	121 - 178	2600	445
750	6x5	ZW 6x5x14 F	140 - 208	2800	445
750	6x5	ZW 6x5x14 F	158 - 234	2960	445
750	6x5	ZW 6x5x14 F	163 - 241	3000	445
750	6x5	ZW 6x5x14 F	233 - 339	3550	445
750	8x5	ZW 8x5x14 F	98 - 159	2350	465
750	8x5	ZW 8x5x14 F	123 - 196	2600	465
750	8x5	ZW 8x5x8 F	45-56	2600	200
750	8x5	ZW 8x5x8 F	52-64	2800	200
750	8x5	ZW 8x5x8 F	59-73	2960	200
750	8x5	ZW 8x5x8 F	60-75	3000	200
750	8x5	ZW 8x5x8 F	85-105	3550	200
750	8x6	ZW 8x6x8 F	54-67	2800	200
750	8x6	ZW 8x6x8 F	61-75	2960	200
750	8x6	ZW 8x6x8 F	62-78	3000	200
750	6x5	ZW 6x5x12 F	93-131	2600	340
750	6x5	ZW 6x5x12 F	110-152	2800	340
750	6x5	ZW 6x5x12 F	125-171	2960	340
750	6x5	ZW 6x5x12 F	129-176	3000	340
750	6x5	ZW 6x5x12 F	185-253	3550	340

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1000	8x6	HSD 8X6X17	78-137	1750	215
1000	8x6	HSL 6x8x13A	81-188	2800	300
1000	8x6	HSL 6x8x13A	95-216	3000	300
1000	8x6	HSD 8X6X20	106-197	1750	230
1000	8x6	HSL 6x8x13A	83-125	2300	300
1000	8x6	HSL 6x8x13A	89-161	2600	300
1000	8x6	HSD 8x6x9	66-124	3500	200
1000	10x8	HSD 10X8X20 A	68-130	1480	237
1000	8x6	HSD 8x6x17 A	41-89	1480	200
1000	8x6	HSL 6x8x13A	141-222	3500	300
1000	8x5	ZW 8x5x10 F	116-164	3550	260
1000	8x5	ZW 8x5x12 F	114-177	3000	340
1000	8x5	ZW 8x5x10 F	83-116	3000	260
1000	8x5	ZW 8x5x12 F	111-172	2960	340
1000	8x5	ZW 8x5x10 F	81-113	2960	260
1000	8x5	ZW 8x5x12 F	106-165	2900	340
1000	8x5	ZW 8x5x10 F	77-108	2900	260
1000	8x5	ZW 8x5x12 F	98-153	2800	340
1000	8x5	ZW 8x5x10 F	72-100	2800	260
1000	8x5	ZW 8x5x12 F	85-130	2600	340
1000	8x5	ZW 8x5x10 F	60-86	2600	260
1000	8x5	ZW 8x5x12 F	67-105	2350	340
1000	8x5	ZW 8x5x12 F	164-248	3550	340
1000	6x5	ZW 6x5x14 F	222 - 331	3550	445
1000	8x5	ZW 8x5x14 F	92 - 153	2350	465
1000	8x5	ZW 8x5x14 F	115 - 191	2600	465
1000	8x5	ZW 8x5x14 F	137 - 220	2800	465
1000	8x5	ZW 8x5x14 F	154 - 248	2960	465
1000	8x5	ZW 8x5x14 F	158 - 255	3000	465
1000	8x6	ZW 8x6x8 F	50-65	2800	200
1000	8x6	ZW 8x6x8 F	57-73	2960	200
1000	8x6	ZW 8x6x8 F	59-75	3000	200
1000	8x6	ZW 8x6x8 F	88-107	3550	200
1000	6x5	ZW 6x5x12 F	114-164	2960	340
1000	6x5	ZW 6x5x12 F	118-169	3000	340
1000	6x5	ZW 6x5x12 F	175-243	3550	340

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CERTIFICATE OF COMPLIANCE

Certificate Number 20141205-EX5213
Report Reference EX5213-19990122
Issue Date 2014-DECEMBER-05

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1250	8x6	HSD 8X6X17	75-134	1750	215
1250	8x6	HSD 8X6X20	103-195	1750	230
1250	10x8	HSR 8x10x14A	40-92	1750	200
1250	10x8	HSD 10X8X17 A	42-86	1480	200
1250	8x5	ZW 8x5x12 F	161-245	3550	340
1250	8x5	ZW 8x5x10 F	113-161	3550	260
1250	8x5	ZW 8x5x12 F	110-173	3000	340
1250	8x5	ZW 8x5x10 F	78-112	3000	260
1250	8x5	ZW 8x5x12 F	106-168	2960	340
1250	8x5	ZW 8x5x10 F	75-109	2960	260
1250	8x5	ZW 8x5x12 F	102-161	2900	340
1250	8x5	ZW 8x5x10 F	71-104	2900	260
1250	8x5	ZW 8x5x12 F	94-150	2800	340
1250	8x5	ZW 8x5x10 F	65-96	2800	260
1250	8x5	ZW 8x5x12 F	80-127	2600	340
1250	8x5	ZW 8x5x14 F	127 - 214	2800	465
1250	8x5	ZW 8x5x14 F	145 - 241	2960	465
1250	8x5	ZW 8x5x14 F	149 - 248	3000	465
1250	8x5	ZW 8x5x14 F	219 - 355	3550	465
1250	8x6	ZW 8x6x8 F	81-104	3550	200
1250	8x6	ZW 8x6x14 F	87-124	2100	440
1250	8x6	ZW 8x6x14 F	112-157	2350	440
1250	8x6	ZW 8x6x14 F	140-194	2600	440
1250	8x6	ZW 8x6x14 F	163-225	2800	440
1250	8x6	ZW 8x6x14 F	184-253	2960	440
1250	8x6	ZW 8x6x14 F	189-260	3000	440
1250	8x6	ZW 8x6x16 F	144-205	2350	430
1250	8x6	ZW 8x6x16 F	177-251	2600	430
1250	8x6	ZW 8x6x16 F	209-292	2800	430
1250	8x6	ZW 8x6x16 F	235-327	2960	430
1250	8x6	ZW 8x6x16 F	241-336	3000	430
1250	8x6	ZW 8x6x12 F	81-116	2350	285
1250	8x6	ZW 8x6x12 F	101-141	2600	285
1250	8x6	ZW 8x6x12 F	125-175	2900	285
1250	3x6	ZW 3x6x12 F	116-163	2800	285
1250	3x6	ZW 3x6x12 F	130-183	2960	285
1250	3x6	ZW 3x6x12 F	134-188	3000	285
1250	10x6	ZW 10x6x12 F	106-147	2600	290

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1500	8x6	HSD 8X6X17	71-130	1750	215
1500	8x6	HSD 8X6X20	100-192	1750	230
1500	10x8	HSD 10X8X20 A	110-187	1750	237
1500	12x8	HSC 8X12X18A	99-153	1750	220
1500	10x8	HSD 10X8X17 A	40-84	1480	200
1500	8x6	HSD 8X6X20 A	69-139	1480	230
1500	8x5	ZW 8x5x12 F	154-241	3550	340
1500	8x5	ZW 8x5x10 F	107-156	3550	260
1500	8x5	ZW 8x5x14 F	206 - 346	3550	465
1500	8x6	ZW 8x6x16 F	203-287	2800	430
1500	8x6	ZW 8x6x16 F	229-323	2960	430
1500	8x6	ZW 8x6x16 F	236-331	3000	430
1500	10x6	ZW 10x6x12 F	104-144	2600	290
1500	10x6	ZW 10x6x12 F	120-169	2800	290
1500	10x6	ZW 10x6x12 F	135-190	2960	290
1500	10x6	ZW 10x6x12 F	139-195	3000	290
1500	8x6	ZW 8x6x12 F	99-137	2600	285
1500	8x6	ZW 8x6x12 F	123-172	2900	285
1500	8x6	ZW 8x6x12 F	114-159	2800	285
1500	8x6	ZW 8x6x12 F	129-179	2960	285
1500	8x6	ZW 8x6x12 F	132-184	3000	285
1500	8x6	ZW 8x6x14 F	158	2800	440
1500	8x6	ZW 8x6x14 F	180-248	2960	440
1500	8x6	ZW 8x6x14 F	185-255	3000	440
2000	12x8	HSC 8x12x14D	48-86	1750	200
2000	10x8	HSD 10X8X17	86-129	1750	215
2000	10x8	HSD 10X8X20 A	80-182	1750	237
2000	12x8	HSC 8X12X18A	96-150	1750	220
2000	14x8	HSC 8X14X21E	140-232	1775	300
2000	10x6	ZW 10x6x12 F	117-165	2800	290
2000	10x6	ZW 10x6x12 F	131-186	2960	290
2000	10x6	ZW 10x6x12 F	135-191	3000	290
2500	12x10	HSD 12x10x15A	40-89	1750	173
2500	12x10	ZW 12x10x24 F	109-179	1480	372
2500	12x8	HSC 8X12X18A	92-145	1750	220
2500	14x8	HSC 8X14X21E	133-234	1775	300
3000	14x8	HSC 8X14X21E	150-224	1775	300
3000	12x10	ZW 12x10x24 F	106-177	1480	372
3000	12x10	ZW 12x10x24 F	152-250	1750	372
3000	12x10	ZW 12x10x20 F	85-117	1480	257
3000	12x10	ZW 12x10x20 F	123-165	1750	257
3500	12x10	ZW 12x10x24 F	101-174	1480	372
3500	12x10	ZW 12x10x24 F	147-248	1750	372
3500	14x10	HSC 10x14x26A	130-227	1460	311
3500	12x10	ZW 12x10x20 F	82-116	1480	257
3500	12x10	ZW 12x10x20 F	120-162	1750	257

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Report Reference EX5213-19990122
Issue Date 2014-DECEMBER-05

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
4000	14x10	HSC 10x14x26A	128-226	1460	311
4000	16x12	ZW 16x12x20 A	73-118	1480	262
4000	16x12	ZW 16x12x20 F	79-118	1480	262
4000	16x12	ZW 16x12x20 F	113-167	1750	262
4000	16x12	ZW 16x12x20 A	109-170	1775	262
4500	14x10	HSC 10x14x26A	124-223	1460	311
4500	16x12	ZW 16x12x20 A	70-116	1480	262
4500	16x12	ZW 16x12x20 F	76-117	1480	262
4500	16x12	ZW 16x12x20 F	111-166	1750	262
4500	16x12	ZW 16x12x20 A	106-169	1775	262
5000	20x14	ZW 20x14x25	118-179	1480	295

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CERTIFICATE OF COMPLIANCE

Certificate Number 20150112-EX5213
Report Reference EX5213-20141223
Issue Date 2015-JANUARY-12

Issued to: RUHRPUMPEN S A DE C V
Niquel N 9204 Interior C Ciudad Industrial Mitras 66000
Garcia NI MEXICO

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

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

Standard(s) for Safety: Safety for Centrifugal Stationary Pumps for Fire-Protection Service, UL 448
Guide for investigation of pumps for fire protection service
ULC Subject C448-1979

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.



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Certificate Number 20150112-EX5213
Report Reference EX5213-20141223
Issue Date 2015-JANUARY-12

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

Centrifugal Fire Pumps – Split Case Horizontal Shaft Type Single Stage, consisting of the following models, capacities, rated net pressures:

Rated Capacity, <u>gpm</u>	Size, <u>in.</u>	Model Designation	Rated Net Pressure, <u>psi</u>	Approx. Speed, <u>r/min</u>	Maximum Working Pressure, <u>psi</u>
500	6x4	ZW 6x4x16 F	183-242	2600	410
500	6x4	ZW 6x4x16 F	212-281	2800	410
500	6x4	ZW 6x4x16 F	237-314	2960	410
500	6x4	ZW 6x4x16 F	244-323	3000	410
750	6x5	ZW 6x5x12 F	93-131	2600	340
750	6x5	ZW 6x5x12 F	110-152	2800	340
750	6x5	ZW 6x5x12 F	125-171	2960	340
750	6x5	ZW 6x5x12 F	129-176	3000	340
750	6x5	ZW 6x5x12 F	185-253	3550	340
750	6x4	ZW 6x4x16 F	202-273	2800	410
750	6x4	ZW 6x4x16 F	228-308	2960	410
750	6x4	ZW 6x4x16 F	235-316	3000	410
750	8x5	ZW 8x5x16 F	182-252	2600	425
1000	6x5	ZW 6x5x12 F	114-164	2960	340
1000	6x5	ZW 6x5x12 F	118-169	3000	340
1000	6x5	ZW 6x5x12 F	175-243	3550	340
1000	8x5	ZW 8x5x16 F	205-287	2800	425
1000	8x5	ZW 8x5x16 F	231-322	2960	425
1000	8x5	ZW 8x5x16 F	176-248	2600	425
1000	8x5	ZW 8x5x16 F	237-331	3000	425
1000	8x6	ZW 8x6x10 F	83-102	2600	225
1250	8x6	ZW 8x6x12 F	81-116	2350	285
1250	8x6	ZW 8x6x12 F	101-141	2600	285
1250	8x6	ZW 8x6x12 F	125-175	2900	285
1250	8x6	ZW 8x6x12 F	116-163	2800	285
1250	8x6	ZW 8x6x12 F	130-183	2960	285
1250	8x6	ZW 8x6x12 F	134-188	3000	285
1250	8x6	ZW 8x6x14 F	87-124	2100	440
1250	8x6	ZW 8x6x14 F	112-157	2350	440
1250	8x6	ZW 8x6x14 F	140-194	2600	440
1250	8x6	ZW 8x6x14 F	163-225	2800	440
1250	8x6	ZW 8x6x14 F	184-253	2960	440
1250	8x6	ZW 8x6x14 F	189-260	3000	440
1250	8x6	ZW 8x6x16 F	144-205	2350	430
1250	8x6	ZW 8x6x16 F	177-251	2600	430
1250	8x6	ZW 8x6x16 F	209-292	2800	430
1250	8x6	ZW 8x6x16 F	235-327	2960	430
1250	8x6	ZW 8x6x16 F	241-336	3000	430
1250	10x6	ZW 10x6x12 F	106-147	2600	290
1250	8x5	ZW 8x5x16 F	199-281	2800	425
1250	8x5	ZW 8x5x16 F	225-316	2960	425
1250	8x5	ZW 8x5x16 F	231-325	3000	425
1250	10x8	ZW 10x8x8 F	45-59	2600	230
1250	10x8	ZW 10x8x8 F	52-70	2800	230
1250	10x8	ZW 10x8x8 F	59-79	2960	230
1250	10x8	ZW 10x8x8 F	61-81	3000	230
1250	8x6	ZW 8x6x10 F	81-99	2600	225
1250	8x6	ZW 8x6x10 F	93-118	2800	225
1250	8x6	ZW 8x6x10 F	105-132	2960	225
1250	8x6	ZW 8x6x10 F	108-136	3000	225
1500	8x6	ZW 8x6x14 F	158	2800	440
1500	8x6	ZW 8x6x14 F	180-248	2960	440
1500	8x6	ZW 8x6x14 F	185-255	3000	440
1500	8x6	ZW 8x6x16 F	203-287	2800	430
1500	8x6	ZW 8x6x16 F	229-323	2960	430
1500	8x6	ZW 8x6x16 F	236-331	3000	430
1500	10x6	ZW 10x6x12 F	104-144	2600	290
1500	10x6	ZW 10x6x12 F	120-169	2800	290
1500	10x6	ZW 10x6x12 F	135-190	2960	290
1500	10x6	ZW 10x6x12 F	139-195	3000	290
1500	8x6	ZW 8x6x12 F	99-137	2600	285
1500	8x6	ZW 8x6x12 F	123-172	2900	285
1500	8x6	ZW 8x6x12 F	114-159	2800	285
1500	8x6	ZW 8x6x12 F	129-179	2960	285
1500	8x6	ZW 8x6x12 F	132-184	3000	285
1500	10x6	ZW 10x6x14 F	113-147	2350	350



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Certificate Number 20150112-EX5213
Report Reference EX5213-20141223
Issue Date 2015-JANUARY-12

1500	10x8	ZW 10x8x10 F	47-67	2250	220
1500	10x8	ZW 10x8x10 F	49-70	2300	220
1500	10x8	ZW 10x8x10 F	52-74	2350	220
1500	10x8	ZW 10x8x10 F	64-92	2600	220
1500	10x8	ZW 10x8x10 F	75-107	2800	220
1500	10x8	ZW 10x8x10 F	84-120	2960	220
1500	10x8	ZW 10x8x10 F	87-124	3000	220
1500	8x6	ZW 8x6x10 F	89-114	2800	225
1500	8x6	ZW 8x6x10 F	101-129	2960	225
1500	8x6	ZW 8x6x10 F	104-133	3000	225
2000	10x6	ZW 10x6x12 F	117-165	2800	290
2000	10x6	ZW 10x6x12 F	131-186	2960	290
2000	10x6	ZW 10x6x12 F	135-191	3000	290
2000	10x6	ZW 10x6x14 F	174-244	2960	350
2000	10x6	ZW 10x6x14 F	179-251	3000	350
3000	12x10	ZW 12x10x20 F	85-117	1480	257
3000	12x10	ZW 12x10x20 F	123-165	1750	257
3500	12x10	ZW 12x10x20 F	82-116	1480	257
3500	12x10	ZW 12x10x20 F	120-162	1750	257

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
150	4x3	HSL 3x4x10 A	125-223	3550	250
150	4x3	HSL 3x4x10 A	90-161	3000	250
150	4x3	HSL 3x4x10 A	80-140	2800	250
200	4x3	HSL 3x4x10 A	125-222	3550	250
200	4x3	HSL 3x4x10 A	90-159	3000	250
200	4x3	HSL 3x4x10 A	78-138	2800	250
200	4x3	HSL 3x4x10 A	66-122	2600	250
200	4x3	HSL 3x4x10 A	53-99	2350	250
200	4x3	HSL 3x4x10 A	41-77	2100	250
250	4x3	HSL 3x4x10 A	125-221	3550	250
250	4x3	HSL 3x4x10 A	88-157	3000	250
250	4x3	HSL 3x4x10 A	75-136	2800	250
250	4x3	HSL 3x4x10 A	65-119	2600	250
250	4x3	HSL 3x4x10 A	52-98	2350	250
250	4x3	HSL 3x4x10 A	55-75	2100	250
250	4x3	HSD 4X3X17	95-146	1750	215
300	4x3	HSL 3x4x10 A	123-221	3550	250
300	4x3	HSL 3x4x10 A	86-155	3000	250
300	4x3	HSL 3x4x10 A	73-134	2800	250
300	4x3	HSL 3x4x10 A	68-117	2600	250
450	6x4	ZW 6x4x14 B	242-349	3550	430
450	6x4	ZW 6x4x14 B	170-248	3000	430
450	6x4	ZW 6x4x14 B	166-241	2960	430
450	6x4	ZW 6x4x14 B	159-231	2900	430
450	6x4	ZW 6x4x14 B	147-215	2800	430
450	6x4	ZW 6x4x14 B	126-183	2600	430
450	6x4	ZW 6x4x14 B	102-147	2350	430
450	6x4	ZW 6x4x14 F	104 - 146	2350	430
450	6x4	ZW 6x4x14 F	128 - 178	2600	430
450	6x4	ZW 6x4x14 F	141 - 206	2800	430
450	6x4	ZW 6x4x14 F	158 - 231	2960	430
450	6x4	ZW 6x4x14 F	162 - 237	3000	430
450	6x4	ZW 6x4x14 F	231 - 339	3550	430
450	6x5	ZW 6x5x14 F	103 - 153	2350	445
450	6x4	ZW 6x4x8 F	64	2800	200
450	6x4	ZW 6x4x8 F	72	2960	200
450	6x4	ZW 6x4x8 F	74	3000	200
450	6x4	ZW 6x4x8 F	79-104	3550	200

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
500	8x5	ZW 6x4x14 B	240-347	3550	430
500	8x5	ZW 6x4x14 B	169-246	3000	430
500	8x5	ZW 6x4x14 B	164-239	2960	430
500	8x5	ZW 6x4x14 B	157-228	2900	430
500	8x6	HSL 6x8x13 A	49-109	2100	300
500	8x6	HSL 6x8x13 A	60-132	2300	300
500	6x4	HSD 6x4x17 A	68-139	1750	230
500	8x6	HSL 6x8x13 A	79-167	2600	300
500	8x6	HSL 6x8x13 A	92-194	2800	300
500	8x6	HSL 6x8x13 A	105-223	3000	300
500	6x4	HSR 4X6X11 B	123-180	3600	265
500	8x6	HSL 6x8x13 A	143-222	3500	300
500	6x4	HSD 6x4x9 B	54-140	3500	200
500	6x4	HSD 6x4x9 B	47-102	3000	200
500	6x4	HSD 6x4x9 B	40-88	2800	200
500	6x4	HSD 6x4x9 B	40-74	2600	200
500	6x4	ZW 6x4x14 F	100 - 145	2350	430
500	6x4	ZW 6x4x14 F	126 - 176	2600	430
500	6x4	ZW 6x4x14 F	139 - 204	2800	430
500	6x4	ZW 6x4x14 F	157 - 229	2960	430
500	6x4	ZW 6x4x14 F	161 - 235	3000	430
500	6x4	ZW 6x4x14 F	229 - 337	3550	430
500	6x5	ZW 6x5x14 F	99 - 147	2350	445
500	6x5	ZW 6x5x14 F	126 - 183	2600	445
500	6x5	ZW 6x5x14 F	149 - 216	2800	445
500	6x5	ZW 6x5x14 F	167 - 242	2960	445
500	6x5	ZW 6x5x14 F	172 - 248	3000	445
500	6x4	ZW 6x4x8 F	63	2800	200
500	6x4	ZW 6x4x8 F	71	2960	200
500	6x4	ZW 6x4x8 F	73	3000	200
500	6x4	ZW 6x4x8 F	78-103	3550	200
500	8x5	ZW 8x5x8 F	47-58	2600	200
500	8x5	ZW 8x5x8 F	55-67	2800	200
500	8x5	ZW 8x5x8 F	62-76	2960	200
500	8x5	ZW 8x5x8 F	64-78	3000	200
500	8x5	ZW 8x5x8 F	91-108	3550	200
500	8x6	ZW 8x6x8 F	56-69	2800	200
500	8x6	ZW 8x6x8 F	63-78	2960	200
500	8x6	ZW 8x6x8 F	65-80	3000	200
500	6x4	ZW 6x4x16 F	183-242	2600	410
500	6x4	ZW 6x4x16 F	212-281	2800	410
500	6x4	ZW 6x4x16 F	237-314	2960	410
500	6x4	ZW 6x4x16 F	244-323	3000	410

Bruce Mahrenholz

Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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CERTIFICATE OF COMPLIANCE

Certificate Number 20150112-EX5213
Report Reference EX5213-20141223
Issue Date 2015-JANUARY-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
750	8x6	HSL 6x8x13 A	44-108	2100	300
750	8x6	HSL 6x8x13 A	55-130	2300	300
750	8x6	HSL 6x8x13 A	74-164	2600	300
750	8x6	HSL 6x8x13 A	87-190	2800	300
750	6x4	HSD 6X4X17 A	93-142	1750	230
750	8x6	HSL 6x8x13 A	103-219	3000	300
750	8x6	HSD 8X6X20	107-197	1750	230
750	8x6	HSL 6x8x13 A	142-221	3500	300
750	8x6	HSD 8x6x17 A	44-90	1480	200
750	8x5	ZW 8x5x12 F	118-180	3000	340
750	8x5	ZW 8x5x10 F	86-120	3000	260
750	8x5	ZW 8x5x12 F	115-175	2960	340
750	8x5	ZW 8x5x10 F	83-116	2960	260
750	8x5	ZW 8x5x12 F	110-168	2900	340
750	8x5	ZW 8x5x10 F	80-111	2900	260
750	8x5	ZW 8x5x12 F	102-156	2800	340
750	8x5	ZW 8x5x10 F	74-103	2800	260
750	8x5	ZW 8x5x12 F	88-134	2600	340
750	8x5	ZW 8x5x10 F	62-89	2600	260
750	8x5	ZW 8x5x12 F	71-109	2350	340
750	6x5	ZW 6x5x14 F	121 - 178	2600	445
750	6x5	ZW 6x5x14 F	140 - 208	2800	445
750	6x5	ZW 6x5x14 F	158 - 234	2960	445
750	6x5	ZW 6x5x14 F	163 - 241	3000	445
750	6x5	ZW 6x5x14 F	233 - 339	3550	445
750	8x5	ZW 8x5x14 F	98 - 159	2350	465
750	8x5	ZW 8x5x14 F	123 - 196	2600	465
750	8x5	ZW 8x5x8 F	45-56	2600	200
750	8x5	ZW 8x5x8 F	52-64	2800	200
750	8x5	ZW 8x5x8 F	59-73	2960	200
750	8x5	ZW 8x5x8 F	60-75	3000	200
750	8x5	ZW 8x5x8 F	85-105	3550	200
750	8x6	ZW 8x6x8 F	54-67	2800	200
750	8x6	ZW 8x6x8 F	61-75	2960	200
750	8x6	ZW 8x6x8 F	62-78	3000	200
750	6x5	ZW 6x5x12 F	93-131	2600	340
750	6x5	ZW 6x5x12 F	110-152	2800	340
750	6x5	ZW 6x5x12 F	125-171	2960	340
750	6x5	ZW 6x5x12 F	129-176	3000	340
750	6x5	ZW 6x5x12 F	185-253	3550	340
750	6x4	ZW 6x4x16 F	202-273	2800	410
750	6x4	ZW 6x4x16 F	228-308	2960	410
750	6x4	ZW 6x4x16 F	235-316	3000	410
750	8x5	ZW 8x5x16 F	182-252	2600	425

B. Mahlenz

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CERTIFICATE OF COMPLIANCE

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Issue Date 2015-JANUARY-12

Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1000	8x6	HSD 8X6X17	78-137	1750	215
1000	8x6	HSL 6x8x13A	81-188	2800	300
1000	8x6	HSL 6x8x13A	95-216	3000	300
1000	8x6	HSD 8X6X20	106-197	1750	230
1000	8x6	HSL 6x8x13A	83-125	2300	300
1000	8x6	HSL 6x8x13A	89-161	2600	300
1000	8x6	HSD 8x6x9	66-124	3500	200
1000	10x8	HSD 10X8X20 A	68-130	1480	237
1000	8x6	HSD 8x6x17 A	41-89	1480	200
1000	8x6	HSL 6x8x13A	141-222	3500	300
1000	8x5	ZW 8x5x10 F	116-164	3550	260
1000	8x5	ZW 8x5x12 F	114-177	3000	340
1000	8x5	ZW 8x5x10 F	83-116	3000	260
1000	8x5	ZW 8x5x12 F	111-172	2960	340
1000	8x5	ZW 8x5x10 F	81-113	2960	260
1000	8x5	ZW 8x5x12 F	106-165	2900	340
1000	8x5	ZW 8x5x10 F	77-108	2900	260
1000	8x5	ZW 8x5x12 F	98-153	2800	340
1000	8x5	ZW 8x5x10 F	72-100	2800	260
1000	8x5	ZW 8x5x12 F	85-130	2600	340
1000	8x5	ZW 8x5x10 F	60-86	2600	260
1000	8x5	ZW 8x5x12 F	67-105	2350	340
1000	8x5	ZW 8x5x12 F	164-248	3550	340
1000	6x5	ZW 6x5x14 F	222 - 331	3550	445
1000	8x5	ZW 8x5x14 F	92 - 153	2350	465
1000	8x5	ZW 8x5x14 F	115 - 191	2600	465
1000	8x5	ZW 8x5x14 F	137 - 220	2800	465
1000	8x5	ZW 8x5x14 F	154 - 248	2960	465
1000	8x5	ZW 8x5x14 F	158 - 255	3000	465
1000	8x6	ZW 8x6x8 F	50-65	2800	200
1000	8x6	ZW 8x6x8 F	57-73	2960	200
1000	8x6	ZW 8x6x8 F	59-75	3000	200
1000	8x6	ZW 8x6x8 F	88-107	3550	200
1000	6x5	ZW 6x5x12 F	114-164	2960	340
1000	6x5	ZW 6x5x12 F	118-169	3000	340
1000	6x5	ZW 6x5x12 F	175-243	3550	340
1000	8x5	ZW 8x5x16 F	205-287	2800	425
1000	8x5	ZW 8x5x16 F	231-322	2960	425
1000	8x5	ZW 8x5x16 F	176-248	2600	425
1000	8x5	ZW 8x5x16 F	237-331	3000	425
1000	8x6	ZW 8x6x10 F	83-102	2600	225

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Rated Capacity, gpm	Size, in.	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1250	8x6	HSD 8X6X17	75-134	1750	215
1250	8x6	HSD 8X6X20	103-195	1750	230
1250	10x8	HSR 8x10x14A	40-92	1750	200
1250	10x8	HSD 10X8X17 A	42-86	1480	200
1250	8x5	ZW 8x5x12 F	161-245	3550	340
1250	8x5	ZW 8x5x10 F	113-161	3550	260
1250	8x5	ZW 8x5x12 F	110-173	3000	340
1250	8x5	ZW 8x5x10 F	78-112	3000	260
1250	8x5	ZW 8x5x12 F	106-168	2960	340
1250	8x5	ZW 8x5x10 F	75-109	2960	260
1250	8x5	ZW 8x5x12 F	102-161	2900	340
1250	8x5	ZW 8x5x10 F	71-104	2900	260
1250	8x5	ZW 8x5x12 F	94-150	2800	340
1250	8x5	ZW 8x5x10 F	65-96	2800	260
1250	8x5	ZW 8x5x12 F	80-127	2600	340
1250	8x5	ZW 8x5x14 F	127 - 214	2800	465
1250	8x5	ZW 8x5x14 F	145 - 241	2960	465
1250	8x5	ZW 8x5x14 F	149 - 248	3000	465
1250	8x5	ZW 8x5x14 F	219 - 355	3550	465
1250	8x6	ZW 8x6x8 F	81-104	3550	200
1250	8x6	ZW 8x6x14 F	87-124	2100	440
1250	8x6	ZW 8x6x14 F	112-157	2350	440
1250	8x6	ZW 8x6x14 F	140-194	2600	440
1250	8x6	ZW 8x6x14 F	163-225	2800	440
1250	8x6	ZW 8x6x14 F	184-253	2960	440
1250	8x6	ZW 8x6x14 F	189-260	3000	440
1250	8x6	ZW 8x6x16 F	144-205	2350	430
1250	8x6	ZW 8x6x16 F	177-251	2600	430
1250	8x6	ZW 8x6x16 F	209-292	2800	430
1250	8x6	ZW 8x6x16 F	235-327	2960	430
1250	8x6	ZW 8x6x16 F	241-336	3000	430
1250	8x6	ZW 8x6x12 F	81-116	2350	285
1250	8x6	ZW 8x6x12 F	101-141	2600	285
1250	8x6	ZW 8x6x12 F	125-175	2900	285
1250	8x6	ZW 8x6x12 F	116-163	2800	285
1250	8x6	ZW 8x6x12 F	130-183	2960	285
1250	8x6	ZW 8x6x12 F	134-188	3000	285
1250	10x6	ZW 10x6x12 F	106-147	2600	290
1250	8x5	ZW 8x5x16 F	199-281	2800	425
1250	8x5	ZW 8x5x16 F	225-316	2960	425
1250	8x5	ZW 8x5x16 F	231-325	3000	425
1250	10x8	ZW 10x8x8 F	45-59	2600	230
1250	10x8	ZW 10x8x8 F	52-70	2800	230
1250	10x8	ZW 10x8x8 F	59-79	2960	230
1250	10x8	ZW 10x8x8 F	61-81	3000	230
1250	8x6	ZW 8x6x10 F	81-99	2600	225
1250	8x6	ZW 8x6x10 F	93-118	2800	225
1250	8x6	ZW 8x6x10 F	105-132	2960	225
1250	8x6	ZW 8x6x10 F	108-136	3000	225

B. Mahlen

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CERTIFICATE OF COMPLIANCE

Certificate Number 20150112-EX5213
Report Reference EX5213-20141223
Issue Date 2015-JANUARY-12

Rated Capacity, gpm	Size, in	Model Designation	Rated Net Pressure, psi	Approx. Speed, r/min	Maximum Working Pressure, psi
1500	8x6	HSD 8X6X17	71-130	1750	215
1500	8x6	HSD 8X6X20	100-192	1750	230
1500	10x8	HSD 10X8X20 A	110-187	1750	237
1500	12x8	HSC 8X12X18A	99-153	1750	220
1500	10x8	HSD 10X8X17 A	40-84	1480	200
1500	8x6	HSD 8X6X20 A	69-139	1480	230
1500	8x5	ZW 8x5x12 F	154-241	3550	340
1500	8x5	ZW 8x5x10 F	107-156	3550	260
1500	8x5	ZW 8x5x14 F	206 - 346	3550	465
1500	8x6	ZW 8x6x16 F	203-287	2800	430
1500	8x6	ZW 8x6x16 F	229-323	2960	430
1500	8x6	ZW 8x6x16 F	236-331	3000	430
1500	10x6	ZW 10x6x12 F	104-144	2600	290
1500	10x6	ZW 10x6x12 F	120-169	2800	290
1500	10x6	ZW 10x6x12 F	135-190	2960	290
1500	10x6	ZW 10x6x12 F	139-195	3000	290
1500	8x6	ZW 8x6x12 F	99-137	2600	285
1500	8x6	ZW 8x6x12 F	123-172	2900	285
1500	8x6	ZW 8x6x12 F	114-159	2800	285
1500	8x6	ZW 8x6x12 F	129-179	2960	285
1500	8x6	ZW 8x6x12 F	132-184	3000	285
1500	8x6	ZW 8x6x14 F	158	2800	440
1500	8x6	ZW 8x6x14 F	180-248	2960	440
1500	8x6	ZW 8x6x14 F	185-255	3000	440
1500	10x6	ZW 10x6x14 F	113-147	2350	350
1500	10x8	ZW 10x8x10 F	47-67	2250	220
1500	10x8	ZW 10x8x10 F	49-70	2300	220
1500	10x8	ZW 10x8x10 F	52-74	2350	220
1500	10x8	ZW 10x8x10 F	64-92	2600	220
1500	10x8	ZW 10x8x10 F	75-107	2800	220
1500	10x8	ZW 10x8x10 F	84-120	2960	220
1500	10x8	ZW 10x8x10 F	87-124	3000	220
1500	8x6	ZW 8x6x10 F	89-114	2800	225
1500	8x6	ZW 8x6x10 F	101-129	2960	225
1500	8x6	ZW 8x6x10 F	104-133	3000	225
2000	12x8	HSC 8x12x14D	48-86	1750	200
2000	10x8	HSD 10X8X17	86-129	1750	215
2000	10x8	HSD 10X8X20 A	80-182	1750	237
2000	12x8	HSC 8X12X18A	96-150	1750	220
2000	14x8	HSC 8X14X21E	140-232	1775	300
2000	10x6	ZW 10x6x12 F	117-165	2800	290
2000	10x6	ZW 10x6x12 F	131-186	2960	290
2000	10x6	ZW 10x6x12 F	135-191	3000	290
2000	10x6	ZW 10x6x14 F	174-244	2960	350
2000	10x6	ZW 10x6x14 F	179-251	3000	350
2500	12x10	HSD 12x10x15A	40-89	1750	173
2500	12x10	ZW 12x10x24 F	109-179	1480	372
2500	12x8	HSC 8X12X18A	92-145	1750	220
2500	14x8	HSC 8X14X21E	133-234	1775	300
3000	14x8	HSC 8X14X21E	150-224	1775	300
3000	12x10	ZW 12x10x24 F	106-177	1480	372
3000	12x10	ZW 12x10x24 F	152-250	1750	372
3000	12x10	ZW 12x10x20 F	85-117	1480	257
3000	12x10	ZW 12x10x20 F	123-165	1750	257
3500	12x10	ZW 12x10x24 F	101-174	1480	372
3500	12x10	ZW 12x10x24 F	147-248	1750	372
3500	14x10	HSC 10x14x26A	130-227	1460	311
3500	12x10	ZW 12x10x20 F	82-116	1480	257
3500	12x10	ZW 12x10x20 F	120-162	1750	257
4000	14x10	HSC 10x14x26A	128-226	1460	311
4000	16x12	ZW 16x12x20 A	73-118	1480	262
4000	16x12	ZW 16x12x20 F	79-118	1480	262
4000	16x12	ZW 16x12x20 F	113-167	1750	262

B. Mahlenz

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CERTIFICATE OF COMPLIANCE

Certificate Number 20150112-EX5213
Report Reference EX5213-20141223
Issue Date 2015-JANUARY-12

4000	16x12	ZW 16x12x20 A	109-170	1775	262
4500	14x10	HSC 10x14x26A	124-223	1460	311
4500	16x12	ZW 16x12x20 A	70-116	1480	262
4500	16x12	ZW 16x12x20 F	76-117	1480	262
4500	16x12	ZW 16x12x20 F	111-166	1750	262
4500	16x12	ZW 16x12x20 A	106-169	1775	262
5000	20x14	ZW 20x14x25	118-179	1480	295



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Certificate of Compliance

This certificate is issued for the following:

**Centrifugal Fire Pumps
(Vertical Shaft, Turbine Type)**

Model VTP 24B-440 (Modified)

Prepared for:

**Ruhrpumpen SA de CV
Ciudad Industrial Mitras, Niquel #9204
Garcia NL 66000, Mexico**

FM Approvals Class: 1312

Approval Identification: 3052587

Approval Granted: August 8, 2014

To verify the availability of the Approved product, 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 dark ink, appearing to read "Richard B. Dunne".

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



Member of the FM Global Group



Certificate of Compliance

This certificate is issued for the following:

**Centrifugal Fire Pumps
(Axial Split-Case Type)**

ZW 8x6x12 F, ZW 10x6x12 F and ZW 12x10x20 F

Prepared for:

Ruhrpumpen S.A. de C.V.
Ciudad Industrial Mitras, Niquel #9204
García NL 66000
Mexico

FM Approvals Class: 1311

Approval Identification: 3052518

Approval Granted: September 24, 2014

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



Member of the FM Global Group



Certificate of Compliance

This certificate is issued for the following:

Centrifugal Fire Pumps
Models ZW 6x5x12 F, ZW 8x6x14F and ZW 8x6x16 F
(Axial Split-Case Type)
Model VTP 20C600 (Modification)
(Vertical Shaft, Turbine Type)

Prepared for:

Ruhrpumpen SA de CV
Ciudad Industrial Mitras, Niquel #9204
Garcia NL, Mexico 66000

FM Approvals Class: 1311, 1312

Approval Identification: 3052588 Approval Granted: December 1, 2014

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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 dark ink, appearing to read "Richard B. Dunne". The signature is written in a cursive style and is positioned above a horizontal line.

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



Member of the FM Global Group



Certificate of Compliance

This certificate is issued for the following:

**Centrifugal Fire Pumps
(Axial Split-Case Type)**

**ZW 6x4x16 F, ZW 8x5x16 F, ZW 8x6x10 F, ZW 10x6x14 F,
ZW 10x8x8 F and ZW 10x8x10 F
ZW 6x5x12 F (Modified)**

Prepared for:

Ruhrpumpen SA de CV
Ciudad Industrial Mitras, Niquel #9204
Garcia NL, Mexico 66000

FM Approvals Class: 1311

Approval Identification: 3053923 Approval Granted: December 12, 2014

“To verify the availability of the Approved product, please refer to www.approvalguide.com

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A handwritten signature in dark ink, appearing to read "Richard B. Dunne".

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



Member of the FM Global Group