

## LIST PRICES SPHER-FLO NON-CLOG DRY PIT PUMPS

MODEL 611A  
 HORIZONTAL FLEXIBLE COUPLED

MODEL 612A  
 VERTICAL FLEXIBLE SHAFT

MODEL 613A  
 VERTICAL FLEXIBLE COUPLED  
 PEDESTAL MOUNTED MOTOR

MODEL 614A  
 VERTICAL CLOSE COUPLED

ALL PRICES ARE F.O.B. NO. AURORA, ILLINOIS

### MATERIALS OF CONSTRUCTION

PUMP PART	STANDARD FITTED	
CASING	CAST IRON ASTM A48 CL30	
IMPELLER	CAST IRON ASTM A48 CL30	
SHAFT	STEEL SAE 1045	
SLEEVE		HDN STAIN. STL. ASTM A276
	PACKING	AISI 440C, 450BHN
	SEAL	BRONZE ASTM B62
GLAND	VERTICAL	AL, ASTM A356-T6
	HORIZONTAL	CAST IRON ASTM A48 CL30
POWER FRAME	CAST IRON ASTM A48 CL30	
COVERS	CAST IRON ASTM A48 CL30	
PACKING	INTER WOVEN GRAPHITE IMPREGNATED T.F.E.	
LANTERN RING	GLASS FILLED TEFLON	



PRICING SUBJECT TO CHANGE WITHOUT NOTICE  
 REFER TO ENCOMPASS FOR MOST  
 ACCURATE PRICING AND

**AURORA®**

LIST PRICE SHEET  
**MODEL 611A**  
**PUMP ONLY**

R.P.M.	PUMP SIZE	POWER FRAME	LIST PRICE	CONTROL NUMBER	WGT.	R.P.M.	PUMP SIZE	POWER FRAME	LIST PRICE	CONTROL NUMBER	WGT.	
1800	6 x 6 x 12	5F	<b>\$19,913</b>	X601361	900	600 & LOWER	6 x 8 x 15	5E	<b>\$23,400</b>	X601377	975	
	6 x 6 x 12B	5F	<b>22,438</b>	X601373	900		6 x 8 x 18	5E	<b>23,708</b>	X601385	1035	
	6 x 8 x 15	5F	<b>24,047</b>	X601381	975		8 x 8 x 15A	5E	<b>23,171</b>	X601393	1045	
1200	6 x 6 x 12	5E	<b>19,525</b>	X601357	825		8 x 10 x 18	5G	<b>30,773</b>	X601397	1275	
	6 x 6 x 12B	5E	<b>22,016</b>	X601369	825		8 x 10 x 22	5G	<b>34,757</b>	X601405	1450	
	6 x 8 x 15	5E	<b>23,400</b>	X601377	975		10 x 10 x 15	5E	<b>23,533</b>	X601413	1050	
	6 x 8 x 18	5F	<b>24,619</b>	X601389	1035		10 x 12 x 22	5G	<b>36,524</b>	X601425	1600	
	8 x 8 x 15A	5E	<b>23,171</b>	X601393	1045		12 x 14 x 22A	5G	<b>37,069</b>	X601441	1700	
	8 x 10 x 18	5H	<b>30,773</b>	X601401	1275		12 x 14 x 22B	5G	<b>39,971</b>	X601453	1700	
	10 x 10 x 15	5F	<b>23,900</b>	X601417	1050		16 x 16 x 20	6F	<b>RTF</b>	RTF	2500	
	10 x 10 x 22	6E	<b>43,620</b>	X601421	1710		16 x 16 x 28	8	<b>RTF</b>	RTF	4800	
	12 x 12 x 22	6E	<b>44,350</b>	X601437	1910		18 x 18 x 28	8	<b>RTF</b>	RTF	5100	
	14 x 14 x 22A	6E	<b>45,255</b>	X601465	2110		20 x 20 x 28	8	<b>RTF</b>	RTF	5500	
	900	6 x 6 x 12	4C	<b>17,028</b>	X601353		825					
6 x 6 x 12B		4C	<b>17,433</b>	X601365	825							
6 x 8 x 15		5E	<b>23,400</b>	X601377	975							
6 x 8 x 18		5E	<b>23,708</b>	X601385	1035							
8 x 8 x 15A		5E	<b>23,171</b>	X601393	1045							
8 x 10 x 18		5G	<b>30,773</b>	X601397	1275							
8 x 10 x 22		5H	<b>34,757</b>	X601409	1450							
10 x 10 x 15		5E	<b>23,533</b>	X601413	1050							
10 x 12 x 22		6D	<b>38,555</b>	X601433	1750							
12 x 14 x 22A		6D	<b>39,097</b>	X601449	1800							
12 x 14 x 22B		6D	<b>41,999</b>	X601461	1800							
16 x 16 x 20		6F	<b>RTF</b>	RTF	2500							
16 x 16 x 28	8	<b>RTF</b>	RTF	4800								
720	6 x 6 x 12	4C	<b>17,028</b>	X601353	825							
	6 x 6 x 12B	4C	<b>17,433</b>	X601365	825							
	6 x 8 x 15	5E	<b>23,400</b>	X601377	975							
	6 x 8 x 18	5E	<b>23,708</b>	X601385	1035							
	8 x 8 x 15A	5E	<b>23,171</b>	X601393	1045							
	8 x 10 x 18	5G	<b>30,773</b>	X601397	1275							
	8 x 10 x 22	5G	<b>34,757</b>	X601405	1450							
	10 x 10 x 15	5E	<b>23,533</b>	X601413	1050							
	10 x 12 x 22	5H	<b>36,524</b>	X601429	1600							
	12 x 14 x 22A	5H	<b>37,069</b>	X601445	1700							
	12 x 14 x 22B	5H	<b>39,971</b>	X601457	1700							
	16 x 16 x 20	6F	<b>RTF</b>	RTF	2500							
	16 x 16 x 28	8	<b>RTF</b>	RTF	4800							
	18 x 18 x 28	8	<b>RTF</b>	RTF	5100							
20 x 20 x 28	8	<b>RTF</b>	RTF	5500								

**LIST PRICE SHEET**  
**MODEL 611A**  
**STEEL BASE & COUPLING**

		<b>HORIZONTAL STEEL BASES</b>														
<b>POWER FRAME</b>	<b>PUMP SIZE</b>	<b>FRAME SIZE</b>	182T	184T	213T	215T	254T	256T	284T	286T	324T	326T	364T	365T	404T	405T
4	6 x 6 x 12 6 x 6 x 12B	<b>Control</b>	14A	14B	14C	14D	14E	14F	14G	14H	14J	14K				
		<b>LIST</b>	\$1,978	\$1,978	\$2,071	\$2,071	\$2,307	\$2,306	\$3,050	\$3,050	\$3,050	\$3,050				
		<b>Wt.</b>	130	130	145	145	155	155	175	175	175	175				
<b>COUPLINGS</b>																
		<b>Control</b>	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD				
		<b>LIST</b>	\$230	\$230	\$314	\$314	\$314	\$314	\$314	\$314	\$686	\$686				
		<b>Wt.</b>	6	6	8	8	8	8	8	8	21	21				

		<b>HORIZONTAL STEEL BASES</b>															
<b>POWER FRAME</b>	<b>PUMP SIZE</b>	<b>FRAME SIZE</b>		254T	256T	284T	286T	324T	326T	364T	365T	364TS	365TS	404T	405T	404TS	
5	6 x 6 x 12 6 x 6 x 12B	<b>Control</b>		14M	14N	14P	14P	14R	14R	14T	14T	14W	14W	14AA		14AB	
		<b>LIST</b>		\$2,306	\$3,050	\$3,050	\$3,050	\$2,378	\$2,378	\$2,984	\$2,984	\$2,984	\$2,984	\$2,984	\$2,984		\$2,984
			<b>Wt.</b>		155	175	175	175	220	220	350	350	350	350	350		350
	6 x 8 x 15	<b>Control</b>				14AD	14AD	14AE	14AE	14AF	14AG	14AH	14AH	14AJ	14AJ	14AK	
		<b>LIST</b>				3,050	3,050	2,378	2,378	2,378	2,984	2,984	2,984	2,984	2,984	2,984	
			<b>Wt.</b>			175	175	220	350	350	350	350	350	350	350	350	
	6 x 8 x 18	<b>Control</b>							14AW	14AW	14BA	14BA	14BB	14BB	14BC	14BC	
		<b>LIST</b>							2,378	2,378	2,984	2,984	2,984	2,984	3,361	3,361	
			<b>Wt.</b>						220	220	350	350	350	350	375	375	
	8 x 8 x 15A	<b>Control</b>				14BK	14BK	14BL	14BL	14BM	14BM	14BN	14BN	14BP	14BP	14BR	
		<b>LIST</b>				3,050	3,050	2,378	2,378	2,984	2,984	2,984	2,984	3,361	3,361	3,361	
		<b>Wt.</b>			175	175	220	350	350	375	375	375	375	375	375		
8 x 10 x 18	<b>Control</b>				14CA	14CA	14CB	14CB	14CC	14CC	14CD	14CD	14CE	14CE	14CF		
	<b>LIST</b>				3,050	3,050	2,378	2,378	2,984	2,984	2,984	2,984	3,361	3,361	3,361		
		<b>Wt.</b>			175	175	220	350	350	375	375	375	375	375	375		
8 x 10 x 22	<b>Control</b>								14CL	14CM	14CM	14CN	14CN	14CP	14CP		
	<b>LIST</b>								2,378	2,984	2,984	2,984	2,984	3,361	3,361		
		<b>Wt.</b>							220	350	350	350	350	375	375		
10 x 10 x 15	<b>Control</b>								14DE	14DE	14DF	14DF	14DF	14DF	14DG		
	<b>LIST</b>								2,378	2,378	2,984	2,984	2,984	3,361	3,361		
		<b>Wt.</b>							220	220	350	350	350	375	375		
10 x 12 x 22	<b>Control</b>								14DJ	14DK	14DK	14DL	14DL	14DM	14DM		
	<b>LIST</b>								2,984	2,984	2,984	2,984	2,984	3,361	3,361		
		<b>Wt.</b>							350	350	350	350	350	375	375		
12 x 14 x 22A 12 x 14 x 22B	<b>Control</b>								14BE	14EC	14EC	14ED	14ED	14EE	14EE		
	<b>LIST</b>								2,984	2,984	2,984	3,361	3,361	3,361	3,361		
		<b>Wt.</b>							350	350	350	375	375	375	375		
<b>COUPLINGS</b>																	
	ALL SIZES	<b>Control</b>		34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	
		<b>LIST</b>		\$686	\$686	\$686	\$686	\$686	\$686	\$686	\$910	\$1,758	\$910	\$1,758	\$2,596	\$2,596	
		<b>Wt.</b>		21	21	21	21	21	21	21	27	42	27	42	74		

**LIST PRICE SHEET**  
**MODEL 611A**  
**STEEL BASE & COUPLING**

<b>HORIZONTAL STEEL BASES</b>									
<b>POWER FRAME</b>	<b>PUMP SIZE</b>	<b>FRAME SIZE</b>	<b>405TS</b>	<b>444T</b>	<b>445T</b>	<b>444TS</b>	<b>445TS</b>	<b>447T</b>	<b>449T</b>
5	6 x 6 x 12 6 x 6 x 12B	<b>Control LIST Wt.</b>							
	6 x 8 x 15	<b>Control LIST Wt.</b>	14AK <b>\$3,425</b> 350	14AL <b>\$3,361</b> 375	14AL <b>\$3,361</b> 375	14AM <b>\$3,361</b> 375	14AM <b>\$3,361</b> 375	14AN <b>\$3,361</b> 375	14AP <b>\$3,361</b> 375
	6 x 8 x 18	<b>Control LIST Wt.</b>	14BD <b>3,361</b> 375	14BE <b>2,984</b> 375	14BE <b>2,984</b> 375	14BF <b>3,361</b> 375	14BF <b>3,361</b> 375	14BG <b>3,361</b> 375	14BH <b>3,361</b> 375
	8 x 8 x 15A	<b>Control LIST Wt.</b>	14BR <b>3,361</b> 375	14BT <b>3,361</b> 375	14BT <b>3,361</b> 375	14BW <b>3,361</b> 375	14BW <b>3,361</b> 375		
	8 x 10 x 18	<b>Control LIST Wt.</b>	14CF <b>3,361</b> 375	14CG <b>3,361</b> 375	14CG <b>3,361</b> 375	14CH <b>3,361</b> 375	14CH <b>3,361</b> 375	14CJ <b>3,361</b> 375	14CK <b>3,361</b> 375
	8 x 10 x 22	<b>Control LIST Wt.</b>	14CT <b>3,361</b> 375	14CW <b>3,361</b> 375	14CW <b>3,361</b> 375	14DA <b>3,361</b> 375	14DA <b>3,361</b> 375	14DB <b>3,361</b> 375	14DC <b>3,361</b> 375
	10 x 10 x 15	<b>Control LIST Wt.</b>		14DH <b>3,361</b> 375	14DH <b>3,361</b> 375	14DH <b>3,361</b> 375	14DH <b>3,361</b> 375		
	10 x 12 x 22	<b>Control LIST Wt.</b>	14DP <b>3,361</b> 375	14DR <b>3,361</b> 375	14DR <b>3,361</b> 375	14DT <b>3,361</b> 375	14DT <b>3,361</b> 375	14DW <b>3,361</b> 375	14DZ <b>3,361</b> 375
	12 x 14 x 22A 12 x 14 x 22B	<b>Control LIST Wt.</b>	14EG <b>3,361</b> 375	14EH <b>3,361</b> 375	14EH <b>3,361</b> 375	14EJ <b>3,361</b> 375	14EJ <b>3,361</b> 375	14EK <b>3,361</b> 375	14EL <b>3,361</b> 375
	<b>COUPLINGS</b>								
	ALL SIZES	<b>Control LIST Wt.</b>	34STD <b>3,595</b> 74	34STD <b>3,595</b> 74	34STD <b>3,467</b> 110	34STD <b>2,596</b> 74	34STD <b>3,467</b> 110	34STD <b>4,472</b> 150	34STD <b>4,472</b> 150

<b>HORIZONTAL STEEL BASES</b>																
<b>POWER FRAME</b>	<b>PUMP SIZE</b>	<b>FRAME SIZE</b>	<b>364T</b>	<b>365T</b>	<b>364TS</b>	<b>365TS</b>	<b>404T</b>	<b>405T</b>	<b>404TS</b>	<b>405TS</b>	<b>444T</b>	<b>445T</b>	<b>444TS</b>	<b>445TS</b>	<b>447T</b>	<b>449T</b>
6	10 x 10 x 12	<b>Control LIST Wt.</b>						14EM <b>3,361</b> 375	14EN <b>3,361</b> 375	14EN <b>3,361</b> 375	14EP <b>3,361</b> 375	14EP <b>3,361</b> 375	14ER <b>3,361</b> 375	14ER <b>3,361</b> 375	14ET <b>3,361</b> 375	14EW <b>3,361</b> 375
	10 x 12 x 22	<b>Control LIST Wt.</b>	14FA <b>3,361</b> 375	14FA <b>3,361</b> 375	14FB <b>3,361</b> 375	14FC <b>3,361</b> 375	14FD <b>3,361</b> 375	14FD <b>3,361</b> 375	14FE <b>3,361</b> 375	14FE <b>3,361</b> 375	14FF <b>3,361</b> 375	14FF <b>3,361</b> 375	14FG <b>3,361</b> 375	14FG <b>3,361</b> 375	14FH <b>3,361</b> 375	14FJ <b>3,361</b> 375
	12 x 12 x 22	<b>Control LIST Wt.</b>						14FK <b>3,361</b> 375	14FL <b>3,361</b> 375	14FL <b>3,361</b> 375	14FM <b>3,361</b> 375	14FM <b>3,361</b> 375	14FN <b>3,361</b> 375	14FN <b>3,361</b> 375	14FP <b>3,361</b> 375	14FP <b>3,361</b> 375
	12 x 14 x 22A 12 x 14 x 22B	<b>Control LIST Wt.</b>	14FR <b>3,361</b> 375	14FR <b>3,361</b> 375	14FT <b>3,361</b> 375	14FW <b>3,361</b> 375	14GA <b>3,361</b> 375	14GA <b>3,361</b> 375	14GB <b>3,361</b> 375	14GB <b>3,361</b> 375	14GC <b>3,361</b> 375	14GC <b>3,361</b> 375	14GD <b>3,361</b> 375	14GD <b>3,361</b> 375	14GE <b>3,361</b> 375	14GE <b>3,361</b> 375
	14 x 14 x 22A	<b>Control LIST Wt.</b>						14GF <b>3,361</b> 375	14GG <b>3,361</b> 375	14GG <b>3,361</b> 375	14GH <b>3,361</b> 375	14GH <b>3,361</b> 375	14GJ <b>3,361</b> 375	14GJ <b>3,361</b> 375	14GK <b>3,361</b> 375	14GK <b>3,361</b> 375
	<b>COUPLINGS</b>															
	ALL SIZES	<b>Control LIST Wt.</b>	34STD <b>910</b> 27	34STD <b>1,758</b> 42	34STD <b>910</b> 27	34STD <b>1,758</b> 42	34STD <b>2,596</b> 74	34STD <b>2,596</b> 74	34STD <b>3,467</b> 110	34STD <b>2,596</b> 74	34STD <b>2,596</b> 74	34STD <b>3,467</b> 110	34STD <b>2,596</b> 74	34STD <b>3,467</b> 110	34STD <b>4,472</b> 150	34STD <b>4,472</b> 150

RTF-REFER TO FACTORY  
 REFER TO FACTORY FOR BASES LARGER THAN SHOWN

LIST PRICE SHEET  
**MODEL 612A**  
**PUMP ONLY**

R.P.M.	PUMP SIZE	POWER FRAME	LIST PRICE	CONTROL NUMBER	WGT.
1800	6 x 6 x 12	5F	<b>23,900</b>	X601491	1150
	6 x 6 x 12B	5F	<b>24,247</b>	X601503	1150
	6 x 8 x 15	5F	<b>28,099</b>	X601511	1250
1200	6 x 6 x 12	5E	<b>23,510</b>	X601487	1075
	6 x 6 x 12B	5E	<b>23,861</b>	X601499	1075
	6 x 8 x 15	5E	<b>27,514</b>	X601507	1250
	6 x 8 x 18	5F	<b>30,773</b>	X601519	1380
	8 x 8 x 15A	5E	<b>28,963</b>	X601523	1300
	8 x 10 x 18	5H	<b>41,269</b>	X601531	1520
	10 x 10 x 15	5F	<b>30,410</b>	X601547	1450
	10 x 10 x 22	6E	<b>50,683</b>	X601551	2100
	12 x 12 x 22	6E	<b>52,132</b>	X601567	2200
	14 x 14 x 22A	6E	<b>55,205</b>	X601595	2300
	900	6 x 6 x 12	4C	<b>18,823</b>	X601483
6 x 6 x 12B		4C	<b>19,188</b>	X601495	1075
6 x 8 x 15		5E	<b>27,514</b>	X601507	1250
6 x 8 x 18		5E	<b>30,410</b>	X601515	1380
8 x 8 x 15A		5E	<b>28,963</b>	X601523	1300
8 x 10 x 18		5G	<b>37,288</b>	X601527	1520
8 x 10 x 22		5H	<b>41,999</b>	X601539	1850
10 x 10 x 15		5E	<b>30,047</b>	X601543	1450
10 x 12 x 22		6D	<b>46,337</b>	X601563	2100
12 x 14 x 22A		6D	<b>50,470</b>	X601579	2350
12 x 14 x 22B		6D	<b>53,222</b>	X601591	2350
16 x 16 x 28		8	<b>133,770</b>	X601599	4800

R.P.M.	PUMP SIZE	POWER FRAME	LIST PRICE	CONTROL NUMBER	WGT.	
720	6 x 6 x 12	4C	<b>18,823</b>	X601483	1075	
	6 x 6 x 12B	4C	<b>19,188</b>	X601495	1075	
	6 x 8 x 15	5E	<b>27,514</b>	X601507	1250	
	6 x 8 x 18	5E	<b>30,410</b>	X601515	1380	
	8 x 8 x 15A	5E	<b>28,963</b>	X601523	1300	
	8 x 10 x 18	5G	<b>37,288</b>	X601527	1520	
	8 x 10 x 22	5G	<b>41,999</b>	X601535	1850	
	10 x 10 x 15	5E	<b>30,047</b>	X601543	1450	
	10 x 12 x 22	5H	<b>44,311</b>	X601559	1975	
	12 x 14 x 22A	5H	<b>48,437</b>	X601575	2200	
	12 x 14 x 22B	5H	<b>51,187</b>	X601587	2200	
	16 x 16 x 28	8	<b>133,770</b>	X601599	4800	
	18 x 18 x 28	8	<b>136,010</b>	X601603	5100	
	20 x 20 x 20	8	<b>140,358</b>	X601607	5500	
	600 & LOWER	6 X 8 X 15	5E	<b>27,514</b>	X601507	1250
		6 X 8 X 18	5E	<b>30,410</b>	X601515	1380
		8 x 8 x 15A	5E	<b>28,963</b>	X601523	1300
8 X 10 X 18		5G	<b>37,288</b>	X601527	1520	
8 X 10 X 22		5G	<b>41,999</b>	X601535	1850	
10 X 10 X 15		5E	<b>30,047</b>	X601543	1450	
10 X 12 X 22		5G	<b>44,310</b>	X601555	1975	
12 X 14 X 22A		5G	<b>48,437</b>	X601571	2200	
12 X 14 X 22B		5G	<b>51,187</b>	X601583	2200	
16 X 16 X 28		8	<b>133,770</b>	X601599	4800	
18 X 18 X 28		8	<b>136,010</b>	X601603	5100	
20 X 20 X 28		8	<b>140,358</b>	X601607	5500	

**NOTE:** REFER TO OPTION 72 FOR HIGH RING MOTOR BASE  
 RTF - REFER TO FACTORY

LIST PRICE SHEET  
**MODEL 613A**  
**PUMP ONLY**

R.P.M.	PUMP SIZE	POWER FRAME	LIST PRICE	CONTROL NUMBER	WGT.	R.P.M.	PUMP SIZE	POWER FRAME	LIST PRICE	CONTROL NUMBER	WGT.	
1800	6 x 6 x 12	5F	<b>\$27,514</b>	X601631	1400	720	6 x 6 x 12	4C	<b>\$20,270</b>	X601623	1325	
	6 x 6 x 12B	5F	<b>27,872</b>	X601643	1400		6 x 6 x 12B	4C	<b>22,841</b>	X601635	1325	
	6 x 8 x 15	5F	<b>34,861</b>	X601651	1500		6 x 8 x 15	5E	<b>34,861</b>	X601647	1500	
1200	6 x 6 x 12	5E	<b>30,027</b>	X601627	1325		6 x 8 x 18	5E	<b>34,028</b>	X601655	1630	
	6 x 6 x 12B	5E	<b>30,427</b>	X601639	1325		8 x 8 x 15A	5E	<b>32,577</b>	X601663	1550	
	6 x 8 x 15	5E	<b>34,861</b>	X601647	1500		8 x 10 x 18	5G	<b>41,636</b>	X601667	1820	
	6 x 8 x 18	5F	<b>34,028</b>	X601659	1630		8 x 10 x 22	5G	<b>45,982</b>	X601675	2100	
	8 x 8 x 15A	5E	<b>32,577</b>	X601663	1550		10 x 10 x 15	5E	<b>34,028</b>	X601683	1750	
	8 x 10 x 18	5H	<b>41,636</b>	X601671	1820		10 x 12 x 22	5H	<b>51,557</b>	X601699	2275	
	10 x 10 x 15	5F	<b>34,028</b>	X601687	1750		12 x 14 x 22A	5H	<b>53,358</b>	X601715	2600	
	*10 x 10 x 22	6E	<b>52,113</b>	X601691	2400		12 x 14 x 22B	5H	<b>56,258</b>	X601727	2600	
	*12 x 12 x 22	6E	<b>56,117</b>	X601707	2550		600 & LOWER	6 x 8 x 15	5E	<b>34,861</b>	X601647	1500
	*14 x 14 x 22A	6E	<b>58,900</b>	X601735	2800			6 x 8 x 18	5E	<b>34,028</b>	X601655	1630
900	6 x 6 x 12	4C	<b>20,270</b>	X601623	1325	8 x 8 x 15A		5E	<b>32,577</b>	X601663	1550	
	6 x 6 x 12B	4C	<b>22,841</b>	X601635	1325	8 X 10 X 18		5G	<b>41636</b>	X601667	1820	
	6 x 8 x 15	5E	<b>34,861</b>	X601647	1500	8 X 10 X 22		5G	<b>45,982</b>	X601675	2100	
	6 x 8 x 18	5E	<b>34,028</b>	X601655	1630	10 X 10 X 15		5E	<b>34,028</b>	X601683	1750	
	8 x 8 x 15A	5E	<b>32,577</b>	X601663	1550	10 X 12 X 22		5G	<b>51,557</b>	X601695	2275	
	8 x 10 x 18	5G	<b>41,636</b>	X601667	1820	12 X 14 X 22A		5G	<b>53,358</b>	X601711	2600	
	8 x 10 x 22	5H	<b>45,982</b>	X601679	2100	12 X 14 X 22B	5G	<b>56,258</b>	X601723	2600		
	10 x 10 x 15	5E	<b>34,028</b>	X601683	1750							
	10 x 12 x 22	6D	<b>53,577</b>	X601703	2475							
	12 x 14 x 22A	6D	<b>55,391</b>	X601719	2750							
12 x 14 x 22B	6D	<b>58,293</b>	X601731	2750								

\* MAY NOT USE MOTORS LARGER THAN 445HP FRAME OR 2,000 LBS. MAXIMUM WT.

**NOTE: FOR COUPLINGS SEE PAGE 20**

SECTION 610 PAGE 7  
 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 7  
 DATED FEBRUARY 18, 2019

**MODEL 614A  
 COMPLETE UNITS  
 PUMP & MOTOR  
 WITH TYPE 21 JOHN CRANE  
 DOUBLE MECHANICAL SEAL**

**OPEN DRIP PROOF  
 230/460 VOLT, 3 PH, 60Hz, 1.15**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER	
6 x 6 x 12 & 6 x 6 x 12B	1800	75	365TVC	5	<b>\$34,829</b>	1580	Y600006	
		60	364		<b>31,895</b>	1555	Y600005	
		50	326		<b>28,909</b>	1505	Y600004	
		40	324		<b>27,266</b>	1455	Y600003	
		30	324		<b>27,266</b>	1455	Y600002	
		25	324		<b>27,266</b>	1455	Y600001	
	1200	25	324	4	<b>28,303</b>	1455	Y600011	
		20	324		<b>28,303</b>	1455	Y600010	
		15	324		<b>28,303</b>	1455	Y600009	
		10	256		<b>20,583</b>	1240	Y600008	
	900	7.5	254	5	<b>19,898</b>	1180	Y600007	
		10	324		<b>28,658</b>	1455	Y600015	
		7.5	256		4	<b>20,745</b>	1180	Y600014
		5	254			<b>19,928</b>	1090	Y600013
3	215	<b>19,739</b>	1065	Y600012				
6 x 8 x 15	1800	125	405	5	<b>48,465</b>	1880	Y600018	
		100	404		<b>43,879</b>	1805	Y600017	
		75	365		<b>38,309</b>	1705	Y600016	
	1200	60	404		<b>43,789</b>	1805	Y600024	
		50	365		<b>39,971</b>	1705	Y600023	
		40	364		<b>37,221</b>	1670	Y600022	
		30	326		<b>33,178</b>	1620	Y600021	
		25	324		<b>31,784</b>	1570	Y600020	
		20	324		<b>31,784</b>	1570	Y600019	
		20	324		<b>32,134</b>	1570	Y600027	
	900	15	324		<b>32,134</b>	1570	Y600026	
		10	324		<b>32,134</b>	1570	Y600025	

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL, AND SUCTION ELBOW WITH HANDHOLE CLEAN OUT.

SECTION 610 PAGE 8  
 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 8  
 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 614A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**OPEN DRIP PROOF**  
**230/460 VOLT, 3 PH, 60Hz, 1.15 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
6 x 8 x 18	1200	100	444TCV	5	<b>\$55,715</b>	2415	Y600031
		75	405		<b>49,523</b>	2010	Y600030
		60	404		<b>45,669</b>	1935	Y600029
		50	365		<b>41,850</b>	1735	Y600028
	900	50	404		<b>45,201</b>	1935	Y600036
		40	365		<b>41,507</b>	1735	Y600035
		30	364		<b>38,487</b>	1700	Y600034
		25	326		<b>35,574</b>	1650	Y600033
		20	324		<b>34,018</b>	1600	Y600032
		75	405		<b>49,456</b>	1930	Y600043
8 x 8 x 15A	1200	60	404	<b>45,599</b>	1855	Y600042	
		50	365	<b>41,777</b>	1655	Y600041	
		40	364	<b>39,034</b>	1620	Y600040	
		30	326	<b>34,992</b>	1570	Y600039	
		25	324	<b>33,584</b>	1520	Y600038	
		20	324	<b>33,584</b>	1520	Y600037	
		30	364	<b>38,417</b>	1620	Y600048	
	900	25	326	<b>35,502</b>	1570	Y600047	
		20	324	<b>33,940</b>	1520	Y600046	
		15	324	<b>33,940</b>	1520	Y600045	
		10	324	<b>33,940</b>	1520	Y600044	

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL, AND SUCTION ELBOW WITH HANDHOLE CLEAN OUT.



SECTION 610 PAGE 9  
 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 9  
 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 614A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**OPEN DRIP PROOF**  
**230/460 VOLT, 3 PH, 60Hz, 1.15 S.F.**

<b>PUMP SIZE</b>	<b>RPM</b>	<b>HP</b>	<b>FRAME SIZE</b>	<b>POWER SERIES</b>	<b>LIST PRICE</b>	<b>WGT.</b>	<b>CONTROL NUMBER</b>
10 x 10 x 15	1200	100	444TCV	5	<b>\$55,481</b>	2485	Y600058
		75	405		<b>49,274</b>	2080	Y600057
		60	404		<b>45,420</b>	2005	Y600056
		50	365		<b>41,597</b>	1805	Y600055
		40	364		<b>38,847</b>	1770	Y600054
	900	50	404		<b>44,952</b>	2005	Y600053
		40	365		<b>41,256</b>	1805	Y600052
		30	364		<b>38,232</b>	1770	Y600051
		25	326		<b>35,310</b>	1720	Y600050
		20	324		<b>33,762</b>	1670	Y600049

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL, AND SUCTION ELBOW WITH HANDHOLE CLEAN OUT.

SECTION 610 PAGE 10  
 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 10  
 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 614A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**TEFC**  
**230/460 VOLT, 3 PH, 60Hz, 1.0 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
6 x 6 x 12 & 6 x 6 x 12B	1800	75	365TVC	5	\$43,043	2395	Y600105
		60	364		38,632	2120	Y600104
		50	326		33,584	1945	Y600103
		40	324		31,209	1920	Y600102
		30	324		31,209	1920	Y600101
		25	324		31,209	1920	Y600100
	1200	25	324	4	32,623	1920	Y600110
		20	324		32,623	1920	Y600109
		15	324		32,623	1920	Y600108
		10	256		22,583	1455	Y600107
		7.5	254		21,668	1426	Y600106
	900	10	324	5	33,216	1920	Y600114
		7.5	256	4	22,804	1455	Y600113
		5	254		21,724	1426	Y600112
3		215	21,198		1406	Y600111	
6 x 8 x 15	1800	100	404	5	56,335	2650	Y600116
		75	365		46,526	2650	Y600115
	1200	60	404		48,055	2650	Y600122
		50	365		44,236	2420	Y600121
		40	364		41,489	2155	Y600120
		30	326		37,504	1870	Y600119
		25	324		36,097	1845	Y600118
		20	324		36,097	1845	Y600117
		20	324		36,695	1845	Y600125
	900	15	324		36,695	1845	Y600124
		10	324		36,695	1845	Y600123

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL, AND SUCTION ELBOW WITH HANDHOLE CLEAN OUT.

SECTION 610 PAGE 11  
 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 11  
 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 614A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**TEFC**  
**230/460 VOLT, 3 PH, 60Hz, 1.0 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
6 x 8 x 18	1200	75	405TCV	5	\$64,113	2780	Y600128
		60	404		58,072	2780	Y600127
		50	365		50,897	2550	Y600126
	900	50	404		57,333	2750	Y600133
		40	365		50,372	2550	Y600132
		30	364		50,372	2275	Y600132
		25	326		40,824	1990	Y600130
		20	324		38,576	1965	Y600129
8 x 8 x 15A	1200	75	405	5	64,037	2750	Y600140
		60	404		58,001	2750	Y600139
		50	365		50,827	2520	Y600138
		40	364		46,700	2245	Y600137
		30	326		39,999	1960	Y600136
		25	324		37,890	1935	Y600135
		20	324		37,890	1935	Y600134
		900	30		364	45,774	2245
	25		326		44,367	1960	Y600144
	20		324		38,503	1935	Y600143
	15		324		38,503	1935	Y600142
	10		324		38,503	1935	Y600141

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL, AND SUCTION ELBOW WITH HANDHOLE

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 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 12  
 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 614A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**TEFC**  
**230/460 VOLT, 3 PH, 60Hz, 1.0 S.F.**

<b>PUMP SIZE</b>	<b>RPM</b>	<b>HP</b>	<b>FRAME SIZE</b>	<b>POWER SERIES</b>	<b>LIST PRICE</b>	<b>WGT.</b>	<b>CONTROL NUMBER</b>
<b>10 x 10 x 15</b>	<b>1200</b>	75	405TCV	<b>5</b>	<b>\$63,864</b>	2850	Y600154
		60	404		<b>57,817</b>	2850	Y600153
		50	365		<b>50,649</b>	2620	Y600152
		40	364		<b>46,526</b>	2345	Y600151
	<b>900</b>	50	404		<b>57,077</b>	2850	Y600150
		40	365		<b>50,123</b>	2620	Y600149
		30	364		<b>45,599</b>	2345	Y600148
		25	326		<b>40,565</b>	2060	Y600147
		20	324		<b>38,320</b>	2035	Y600146

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL, AND SUCTION ELBOW WITH HANDHOLE CLEAN OUT.

SECTION 610 PAGE 13  
DATED JANUARY 1, 2020  
SUPERSEDES PAGE 13  
DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 614A**  
**CLOSE COUPLED MOTOR**  
**MODIFICATIONS**

REFER TO FACTORY FOR MOTOR MODIFICATIONS

LIST PRICE  
 SHEET  
 OPTIONAL  
 FEATURES

OPTION NO.	MECHANICAL SEALS	FACE MATERIALS	SEAL PART NO.	POWER FRAME	LIST PRICE	OPT. NO.
1	DURAMETALLIC CRO DOUBLE SEAL INCLUDES OPT. 16C	CARBON * VS DURCHROME	712-6424-772	4	\$1,168	1A
			712-6426-773	5	3,583	1B
			N/A	6	-	-
	DURAMETALLIC BRO DOUBLE SEAL INCLUDES OPT. 16C	CARBON VS DURCHROME	N/A	4	-	-
			712-6427-741	5	13,911	1C
			712-6429-741	6	16,798	1D
	DURAMETALLIC RA SINGLE OUTSIDE SEAL INCLUDES OPT. 16E	TUNGSTEN CARBIDE VS TUNGSTEN CARBIDE	712-6425-566	4	8,198	1E
			712-6428-566	5	19,217	1F
			712-6430-566	6	27,081	1G
	JOHN CRANE TYPE 8B2 SINGLE OUTSIDE SEAL INCLUDES OPT. 16E	TUNGSTEN CARBIDE VS TUNGSTEN CARBIDE	712-6412-678	4	10,151	1H
			712-6417-678	5	13,684	1J
			712-6422-678	6	21,529	1K
	JOHN CRANE TYPE 88 DOUBLE CARTRIDGE SEAL INCLUDES OPT. 16C	CARBON VS TUNGSTEN CARBIDE	712-6413-767	4	N/A	1L
			712-6418-767	5	N/A	1M
			712-6423-767	6	N/A	1N
	JOHN CRANE 21 DOUBLE SEAL (P.F.# 4) JOHN CRANE TYPE 1 DOUBLE SEAL (P.F.# 5) JOHN CRANE 21 DOUBLE SEAL (P.F.# 6) (ALL INCLUDE OPT. 16C)	CARBON VS CERAMIC* CARBON VS CERAMIC* CARBON VS CERAMIC*	712-6410-753	4	1,186	1P
			712-6415-753	5	8,948	1R
			712-6420-753	6	10,521	1T
	JOHN CRANE TYPE 1 SINGLE SEAL INCLUDES OPT. 16E	TUNGSTEN CARBIDE VS TUNGSTEN CARBIDE	712-6409-678	4	4,155	1W
			712-6414-678	5	11,272	1AA
712-6419-678			6	12,686	1AB	
JOHN CRANE TYPE 8TD DOUBLE MECHANICAL SEAL INCLUDES OPT. 16C	CARBON VS CERAMIC	712-6411-753	4	1,362	1AC	
		712-6416-753	5	3,839	1AD	
		712-6421-753	6	6,569	1AE	
CHESTERTON TYPE 880 SINGLE MECHANICAL SEAL MUST USE OPT. 16E	CARBON VS TUNGSTEN CARBIDE	712-6435-571	4	N/A	1AH	
		712-6436-571	5	N/A	1AJ	
		712-6437-571	6	N/A	1AK	

\* DO NOT USE AT 1800 RPM WHEN BOX PRESSURE EXCEEDS 50 P.S.I.

3	SHAFT, STAINLESS STEEL 316	4	\$3,204	3A
		5	5,079	3B
		6	10,007	3C
		8	20,472	3D
	FLEXIBLE SHAFTING	REFER TO APPLICATION		

LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION	POWER FRAME	MAT'L	LIST PRICE	OPT. NO.
4	SHAFT SLEEVE	4C-4D	316 SS (1)	\$464	4A
			CERAMIC (2) COATED 316 SS	3,443	4B
			CERAMIC (2) COATED BRONZE	2,184	4C
		5E, 5F, 5G, 5H	316 SS (1)	2,506	4D
			CERAMIC (2) COATED 316 SS	3,786	4E
			CERAMIC (2) COATED BRONZE	2,576	4F
		6D, 6E, 6F	316 SS (1)	2,688	4G
			CERAMIC (2) COATED 316 SS	4,101	4H
			CERAMIC (2) COATED BRONZE	3,036	4J
		4K, 4L, 4M	316 SS (1)	4,367	4K
			CERAMIC (2) COATED 316 SS	6,248	4L
			CERAMIC (2) COATED BRONZE	5,106	4M

NOTES: 1) FOR MECHANICAL SEAL ONLY (2) FOR PACKING ONLY

OPTION NO.	DESCRIPTION	MATERIAL	PUMP SIZE	LIST PRICE	OPT. NO.	PUMP SIZE	LIST PRICE	OPT. NO.
5	IMPELLER	BRONZE	6 x 6 x 12, 12B	\$3,091	5A	10 x 12 x 22	\$9,459	5J
			6 x 8 x 15	3,623	5B	12 x 12 x 22	9,459	5K
			6 x 8 x 18	4,926	5C	12 x 14 x 22A/B	9,859	5L
			8 x 8 x 15A	4,242	5D	14 x 14 x 22A	9,859	5M
			8 x 10 x 18	6,047	5E	16 x 16 x 28	15,785	5N
			8 x 10 x 22	7,034	5F	18 x 18 x 28	17,013	5P
			10 x 10 x 15	5,143	5G	20 x 20 x 28	18,241	5R
			10 x 10 x 22	7,034	5H			
			STAINLESS STEEL FASTENER (KEY, CAP SCREW, WASHER)	POWER FRAME 4		\$857	5T	
				POWER FRAME 5		1,094	5W	
	POWER FRAME 6			1,325	5AA			
POWER FRAME 8		1,601		5AB				

LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION	PUMP SIZE	MAT'L	LIST PRICE	OPT. NO.	
6	IMPELLER RING	6 x 6 x 12 6 x 6 x 12B	BRONZE	\$968	6A	
			STAINLESS STEEL	2,370	6B	
		6 x 8 x 15 6 x 8 x 18 8 x 8 x 15A	BRONZE	968	6C	
			STAINLESS STEEL	2,370	6D	
		8 x 10 x 18 8 x 10 x 22 10 x 10 x 15 10 x 10 x 22	BRONZE	1,216	6E	
			STAINLESS STEEL	3,762	6F	
		10 x 12 x 22 12 x 12 x 22	BRONZE	1,411	6G	
			STAINLESS STEEL	5,106	6H	
		12 x 14 x 22 A or B 14 x 14 x 22A	BRONZE	1,535	6J	
			STAINLESS STEEL	5,619	6K	
		16 x 16 x 28 18 x 18 x 28 20 x 20 x 28	BRONZE	2,184	6L	
			STAINLESS STEEL	7,289	6M	
		IMPELLER RING AND CASE RING* (CASE RING ONLY NOT AVAILABLE)	6 x 6 x 12 6 x 6 x 12B	BRONZE	1,924	6N
				STAINLESS STEEL	4,736	6P
	6 x 8 x 15 6 x 8 x 18 8 x 8 x 15A		BRONZE	1,924	6R	
			STAINLESS STEEL	4,736	6T	
	8 x 10 x 18 8 x 10 x 22 10 x 10 x 15 10 x 10 x 22		BRONZE	2,424	6W	
			STAINLESS STEEL	7,534	6AA	
	10 x 12 x 22 12 x 12 x 22		BRONZE	2,815	6AB	
			STAINLESS STEEL	10,211	6AC	
	12 x 14 x 22 A or B 14 x 14 x 22A		BRONZE	3,065	6AD	
			STAINLESS STEEL	10,211	6AE	
	16 x 16 x 28 18 x 18 x 28 20 x 20 x 28		BRONZE	4,364	6AF	
			STAINLESS STEEL	14,584	6AG	

\* MODEL 16 x 16 x 20 IS FITTED WITH IMPELLER & CASE WEAR RINGS IN STAINLESS STEEL AS STANDARD  
 - STAINLESS STEEL WEAR RINGS ARE HARDENED 440C, 108 MATERIAL CODE



LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION	LIST PRICE	OPT. NO.	
12	SPLIT PACKING BOX*	POWER FRAME 4	\$700	12A
		POWER FRAME 5	857	12B
		POWER FRAME 6	1,422	12C

16	FLUSHING ARRANGEMENTS	PACKING	EXTERNAL LIQUID PRESSURE - DEAD END BOX	140	16A
			AUTOMATIC GREASE CUP (10 oz.) STUFFING BOX WITH PIPING	RTF	RTF
		MECHANICAL SEALS	EXTERNAL LIQUID PRESSURE FLOW THROUGH BOX FOR DOUBLE SEALS	644	16C
			FILTERED PUMPED LIQUID DEAD END BOX FOR DOUBLE SEALS - USE ONLY WHEN EXTERNAL LIQUID IS NOT AVAILABLE. DO NOT USE ON P.F. 5 AT 1800 RPM OR ON P.F. 6 AT 1200 RPM	2,185	16D
			DEAD END BOX FOR SINGLE SEALS - WITH PROVISIONS FOR EXTERNAL LIQUID PRESSURE**	586	16E
			AUTOMATIC SEAL WATER PIPING - INCLUDES: GATE VALVE, SOLENOID VALVE, PRESSURE REGULATOR, FLOW METER/REGULATOR, GAUGE, FITTINGS (MAY BE SHIPPED SEPARATELY)	4,622	16F
			FLUSH CONNECTIONS		
		TO IMPELLER WIPER BLADES	140	16G	
		TO WEAR RINGS	586	16H	

\* NOT AVAILABLE ON POWERFRAME 6F

\*\* PENTAIR RECCOMENDS THE USE OF AN EXTERNAL FLUSH WITH NON-CLEAN PUMPAGE TO EXTEND SEAL LIFE, ALTHOUGH IT IS NOT REQUIRED AND THE STUB PIPE CAN BE PLUGGED

LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION	SIZE	LIST PRICE	OPT. NO.	
17	<b>SUCTION NOZZLE WITH CLEAN OUT - MODEL 611A ONLY</b> NOTE: FOR DESCRIPTION AND DIMENSIONS, REFER TO SECTION 610, PAGE 168	6 x 6	\$2,184	17A	
		8 x 8	3,094	17B	
		10 x 10	3,562	17C	
		12 x 12	4,213	17D	
		14 x 14	6,560	17E	
	<b>SUCTION ELBOWS SIZE ON SIZE (I.E. 6 x 6)</b> ELBOWS ARE FURNISHED STANDARD ON MODELS 612A, 613A, 614A. INCREASING TYPE ELBOWS ARE OPTIONAL AVAILABLE AS LISTED. ELBOWS ARE FURNISHED WITH 1/4" GAUGE TAP, LARGE PIPE TAP FOR DRAINING, AND HAND HOLE/INSPECTION OPENING	<b>SIZE</b>	<b>LIST PRICE</b>	<b>OPT. NO.</b>	
		6 x 8	\$2,414	17G	
		8 x 10	2,902	17J	
		10 x 12	5,522	17L	
		12 x 14	5,820	17N	
		14 x 16	5,997	17R	
		16 x 18	7,207	17W	
		18 x 20	8,328	17AB	
	<b>ECCENTRIC SUCTION INCREASERS</b> ECCENTRIC SUCTION INCREASERS ARE OPTIONALLY AVAILABLE FOR USE ON MODEL 612A, 613A, AND 614A PUMPS IN CONJUNCTION WITH SUCTION INCREASING ELBOWS. LARGER SUCTION LINE DIAMETERS ARE EASILY ACCOMMODATED BY THESE COMBINED OPTIONS.(EXAMPLE: A PUMP WITH 8" SUCTION CAN CONNECT TO A 12" SUCTION LINE BY USING AN 8" X 10" SUCTION INCREASING ELBOW AND A 10" X 12" ECCENTRIC SUCTION INCREASER)	20 x 24	9,750	17AD	
		8 x 10	3,483	17AF	
		10 x 12	3,996	17AG	
		12 x 14	4,318	17AH	
		14 x 16	5,437	17AJ	
	16 x 18	7,340	17AK		

OPTION NO.	DESCRIPTION	POWER FRAME	LIST PRICE	OPT. NO.	
59	GLAND	BRONZE - MODEL 611A ONLY LEAKAGE ACCUMULATOR GLAND IS STANDARD IN MODELS 612A, 613A, MADE FROM ALUMINUM	4	\$193	59B
		5	330	59C	
		6	452	59AA	
		8	993	59AB	
		4	183	59E	
		5	248	59F	
	STAINLESS STEEL FASTENERS & BOLTS (NUTS)	6	283	59G	
		8	358	59H	

OPTION NO.	DESCRIPTION	MOTOR FRAME SIZE	BASE PART NO.	BASE HEIGHT	WGT. LBS.	LIST PRICE	OPT. NO.
72	HIGH RING BASE FOR USE WITH MODEL 612A. ELECTRIC MOTOR SUPPORT FOR "P" BASE MOTORS	143HP - 145HP	820-0343-087	8	75	\$913	72A
		182HP - 184HP					
		213HP - 215HP					
		254HP - 256HP					
		284HPH - 286HPH	820-0344-087	10	110	1,950	72C
		324HP - 326HP					
		364HP - 365HP					
		404HP - 405HP					
		444HP - 445HP					
ABOVE 445HP	REFER TO FACTORY						

**NOTE:**

FOR MOTOR SHAFT DIMENSIONS REFER TO SECTION 1010 PAGE 72  
 REFER TO 612A DIMENSION PAGES TO CALCULATE FLEX SHAFT LENGTHS FLEX SHAFTING PRICING REFER TO APPLICATION ENGINEERING

LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION	LIST PRICE	OPT. NO.
90	GEAR HEAD DRIVE COMBINATION GEAR HEAD DRIVE	RTF	

OPTION NO.	DESCRIPTION	PUMP SIZE	LIST PRICE	OPT. NO.
93	STAINLESS STEEL LIQUID END FASTENERS (INCLUDES ALL CAPSCREWS, NUTS AND BOLTS ON THE LIQUID END AND IN THE SEAL/STUFFING BOX AREA AND ALL CAPSCREWS FOR MOUNTING POWER FRAME TO SEAL/STUFFING BOX BRACKET. IMPELLER KEY, CAPSCREW AND WASHER OPTION 5T-5AB INCLUDED. DOES NOT INCLUDE PIPE PLUGS OR POWER FRAME FASTENERS	6 x 6 x 12 6 x 6 x 12B	\$2,361	93A
		6 x 8 x 15 8 x 8 x 15A	2,738	93B
		6 x 8 x 18 8 x 10 x 18	3,057	93C
		10 x 10 x 15	3,180	93D
		8 x 10 x 22 10 x 10 x 22	3,495	93E
		10 x 12 x 22 12 x 12 x 22	3,929	93F
		12 x 14 x 22 A OR B 14 x 14 x 22A	3,644	93G
		16 x 16 x 28	5,768	93H
		18 x 18 x 28	6,273	93J
		20 x 20 x 28	7,301	93K

**NOTES:**

FOR WATER SEAL UNIT, SEE SECTION 680

FOR MOTORS, SEE SECTION 1010

REFER TO SECTION 5000 FOR ENGINEERING TESTS, CALCULATIONS, SPECIAL CURVES,  
 DRAWINGS AND MANUALS

SECTION 610 PAGE 20  
 DATED JANUARY 1, 2020  
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 DATED FEBRUARY 18, 2019

LIST PRICE SHEET  
**MODEL 613A**  
**COUPLINGS**

DRIP PROOF MOTOR R.P.M. - H.P.					HP FRAME	POWER SERIES	ADDITION FOR COUPLING				
500	700	875	1150	1750			LOVEJOY		WOODS		
							LIST PRICE	WGT.	Option Number	LIST PRICE	WGT.
REFER TO FACTORY		-	3/4	1	143HP	4	RTF	3	34STD	\$240	3
		3/4	1	1-1/2, 2	145HP	4	RTF	3	34STD	240	3
		1	1-1/2	3	182HP	4	RTF	3	34STD	240	3
		1-1/2	2	5	184HP	4	RTF	3	34STD	240	3
		2	3	7-1/2	213HP	4	RTF	3	34STD	240	3
						5	RTF	21	34STD	929	21
		3	5	10	215HP	4	RTF	6	34STD	329	6
						5	RTF	21	34STD	929	21
		5	7-1/2	15	254HP	4	RTF	6	34STD	329	6
						5	RTF	21	34STD	929	21
		7-1/2	10	20	256HP	4	RTF	8	34STD	437	8
						5	RTF	21	34STD	929	21
		10	15	25	284HP	4	RTF	8	34STD	437	8
						5	RTF	21	34STD	929	21
		15	20	30	286HP	4	RTF	8	34STD	437	8
						5	RTF	21	34STD	929	21
		20	25	40	324HP	5	RTF	21	34STD	929	21
		25	30	50	326HP	5	RTF	21	34STD	929	21
		30	40	60	364 HP	5			34STD	\$929	27
		40	50	75	365HP	5			34STD	2,216	42
		40	-	-		6			34STD	2,216	42
		-	-	100	404HP	5			34STD	2,216	42
		50	60	-	404HP	5			34STD	2,216	42
		50	-	-		6			34STD	2,216	42
	-	-	125	405HP	5			34STD	3,174	74	
	-	75	-		5			34STD	3,174	74	
	60	-	-	444HP	6			34STD	3,174	74	
	-	-	150		5			34STD	3,174	74	
	-	125	-		5			34STD	3,174	110	

## LIST PRICES

### DRY PIT NON-CLOG PUMPS

MODEL 651A  
 HORIZONTAL FLEXIBLE COUPLED

MODEL 652A  
 VERTICAL - FLEXIBLE SHAFT

VERTICAL - FLEXIBLE COUPLED  
 PEDESTAL MOUNTED MOTOR

MODEL 654A  
 VERTICAL CLOSE COUPLED

### MATERIALS OF CONSTRUCTION

PUMP PART	STANDARD FITTED	
CASING	CAST IRON ASTM A48, CL30	
IMPELLER	CAST IRON ASTM A48, CL30	
SHAFT	STEEL SAE 1045	
SLEEVE	PACKING	HDN SS, ASTM A276, AISI 440C, 450 BHN
	MECH. SEAL	BRONZE, ASTM B62
GLAND	VERTICAL	AL, ASTM A356-T6
	HORIZONTAL	CAST IRON, ASTM A48, CL30
POWER FRAME	CAST IRON ASTM A48, CL30	
COVER	CAST IRON ASTM A48, CL30	
PACKING	INTER WOVEN GRAPHITE IMPREGNATED T.F.E.	
LANTERN RING	GLASS FILLED TEFLON	

F.O.B. NO. AURORA, ILLINOIS 60542  
 PRICING SUBJECT TO CHANGE WITHOUT NOTICE.  
 REFER TO ENCOMPASS FOR MOST ACCURATE PRICING AND SELECTION TABLES



**AURORA®**

**LIST PRICE SHEET**  
**MODELS 651A-652A-653A**  
**PUMP, BASES & COUPLINGS**

PUMP SIZE	POWER FRAME	MODEL 651A			MODEL 652A*			MODEL 653A*		
		LIST PRICE	CONTROL NO.	WGT.	LIST PRICE	CONTROL NO.	WGT.	LIST PRICE	CONTROL NO.	WGT.
3 x 3 x 7	3C	\$9,144	X601801	205	\$12,286	X601841	310	\$13,966	X601881	350
4 x 4 x 7	3C	10,021	X601805	220	13,928	X601845	330	15,632	X601885	370
3 x 3 x 9	3C	9,424	X601809	260	12,563	X601849	320	14,248	X601889	360
4 x 4 x 9A	3C	10,240	X601813	310	14,141	X601851	390	15,820	X601893	450
4 x 4 x 9B	4C	14,929	X601817	420	16,270	X601855	540	19,387	X601897	790
4 x 4 x 12	5E (1)	22,374	X601821	840	25,551	X601859	960	29,901	X601901	1210
	4C (2)	16,270	X601825	590	18,877	X601863	710	20,562	X601905	890
4 x 6 x 15	5F (3)	23,650	X601829	985	27,982	X601867	1210	32,333	X601909	1335
	5E (3)	23,650	X601833	985	27,982	X601871	1210	27,180	X601913	1335

(1) 1800 RPM (2) 1200 RPM AND LOWER (3) 5F P.F. IS USED FOR 1800 RPM, 5E IS FOR 1200 RPM AND LOWER

\* PRICE INCLUDES SUCTION ELBOW WITH CLEAN OUT HANDHOLE AS STANDARD.

**ODP MOTOR FRAME SIZES NON-MODIFIED**

HORSEPOWER	1	1.5	2	3	5	7.5	10	15	20	25	30	40	50	60	75	
RPM	1800	143T	145T	145T	182T	184T	213T	215T	254T	256T	284T	286T	324T	326T	364T	365T
	1200	145T	182T	184T	213T	215T	254T	256T	284T	286T	324T	326T	364T	365T	404T	405T
	900	182T	184T	213T	215T	254T	256T	284T	286T	324T	326T	364T	365T	404T	405T	444T

POWER FRAME	FRAME SIZE	143T	145T	182T	184T	213T	215T	254T	256T	284T	286T	
3C ALL SIZES	HORIZONTAL STEEL BASE											
	CONTROL NO.	14A	14A	14B	14B	14C	14D	14E	14F	14G	14H	
	LIST PRICE	\$748	\$748	\$748	\$748	\$748	\$748	\$1,094	\$1,094	\$1,485	\$1,485	
	WT.	55	55	55	55	55	55	120	120	130	130	
	COUPLING											
	CONTROL NO.	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD
	LIST PRICE	\$100	\$100	\$100	\$100	\$180	\$226	\$226	\$226	\$263	\$263	\$310
	WT.	3	3	3	3	4	5	5	6	6	6	

POWER FRAME	FRAME SIZE	182T	184T	213T	215T	254T	256T	284T	286T	
4	HORIZONTAL STEEL BASE									
	4 x 4 x 9B	CONTROL NO.	14J	14J	14K	14K	14L	14L	14M	14N
		LIST PRICE	\$1,520	\$1,520	\$1,520	\$1,520	\$1,960	\$1,960	\$1,960	\$1,960
		WT.	120	120	120	120	130	130	130	130
	4 x 4 x 12	CONTROL NO.	14P	14P	14R	14R	14T	14T	14W	14AA
		LIST PRICE	\$1,520	\$1,520	\$1,520	\$1,520	\$1,960	\$1,960	\$2,053	\$2,053
		WT.	120	120	120	120	130	130	130	130
	COUPLING									
	ALL SIZES	CONTROL NO.	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD
		LIST PRICE	\$180	\$180	\$180	\$226	\$226	\$310	\$310	\$310
WT.		3	3	3	6	6	8	8	8	

POWER FRAME	FRAME SIZE	284T	286T	324T	326T	364T	365T	404T	405T	444T	445T	447T	449T	
5	HORIZONTAL STEEL BASE													
	4 x 4 x 12	CONTROL NO.	14AB	14AC	14AD	14AD	14AE	14AF						
		LIST PRICE	\$2,288	\$2,288	\$2,288	\$2,288	\$2,943	\$2,943						
		WT.	155	155	155	155	175	175						
	4 x 6 x 15	CONTROL NO.	14AG	14AG	14AH	14AJ	14AK	14AK	14AL	14AM	14AN	14AP		
		LIST PRICE	\$2,943	\$2,943	\$2,943	\$2,943	\$2,943	\$2,943	\$2,943	\$3,327	\$3,327	\$3,327		
		WT.	175	175	175	350	350	350	350	375	375	375		
	COUPLING													
	ALL SIZES	CONTROL NO.	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD	34STD		
		LIST PRICE	\$677	\$677	\$677	\$677	\$900	\$1,742	\$2,576	\$2,576	\$2,576	\$1,740		
WT.		21	21	21	21	27	42	74	74	74	110			

SECTION 650 PAGE 3  
 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 3  
 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 654A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**OPEN DRIP PROOF**

**230/460V, 3 PH, 60 HZ, 1.15 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
3 x 3 x 7	1800	5	213TCV	3	<b>\$12,811</b>	240	Y600304
		3	213		<b>12,811</b>	227	Y600303
		2	213		<b>12,308</b>	227	Y600302
		1	213		<b>12,308</b>	227	Y600301
		1-1/2	213		<b>12,308</b>	227	Y600300
	1200	1	213		<b>11,987</b>	227	Y600306
		1-1/2	213		<b>11,987</b>	227	Y600305
4 x 4 x 7	1800	5	213TCV	3	<b>14,294</b>	255	Y600310
		3	213		<b>14,294</b>	242	Y600309
		2	213		<b>13,793</b>	242	Y600308
		1-1/2	213		<b>13,793</b>	242	Y600307
	1200	2	213		<b>13,487</b>	255	Y600313
		1-1/2	213		<b>13,487</b>	242	Y600312
		1	213		<b>13,487</b>	242	Y600311
3 x 3 x 9	1800	15	254TCV	3	<b>14,259</b>	455	Y600318
		10	215		<b>14,176</b>	360	Y600317
		7-1/2	213		<b>13,560</b>	335	Y600316
		5	213		<b>13,059</b>	295	Y600315
		3	213		<b>13,059</b>	282	Y600314
	1200	3	213TCV		<b>12,665</b>	335	Y600322
		2	213		<b>12,235</b>	295	Y600321
		1-1/2	213		<b>12,235</b>	282	Y600320
		1	213		<b>12,235</b>	282	Y600319

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.

SECTION 650 PAGE 4  
 DATED JANUARY 1, 2020  
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 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 654A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**OPEN DRIP PROOF**

**230/460V, 3 PH, 60 HZ, 1.15 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER			
4 x 4 x 9A	1800	15	254TCV	3	<b>\$15,700</b>	505	Y600327			
		10	215		<b>15,624</b>	410	Y600326			
		7-1/2	213		<b>15,015</b>	385	Y600325			
		5	213		<b>14,507</b>	345	Y600324			
		3	213		<b>14,507</b>	332	Y600323			
	1200	5	215TCV		<b>15,725</b>	410	Y600332			
		3	213		<b>14,104</b>	385	Y600331			
		2	213		<b>13,686</b>	345	Y600330			
		1-1/2	213		<b>13,686</b>	332	Y600329			
		1	213		<b>13,686</b>	332	Y600328			
		4 x 4 x 9B	1800		20	256TCV	4	<b>18,609</b>	625	Y600336
					15	254		<b>17,823</b>	565	Y600335
10	215			<b>17,747</b>	470	Y600334				
7-1/2	213			<b>17,149</b>	445	Y600333				
1200	7-1/2		254TCV	<b>17,918</b>	565	Y600340				
	5		215	<b>17,860</b>	470	Y600339				
	3		213	<b>16,222</b>	445	Y600338				
	2		213	<b>16,064</b>	405	Y600337				
900	3		215TCV	<b>17,747</b>	470	Y600344				
	2		213	<b>16,536</b>	445	Y600343				
	1-1/2		213	<b>16,064</b>	405	Y600342				
	1		213	<b>16,064</b>	392	Y600341				

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.



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 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 654A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**OPEN DRIP PROOF**

**230/460V, 3 PH, 60 HZ, 1.15 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
4 x 4 x 12	1800	60	364TCV	5	<b>\$31,982</b>	1160	Y600349
		50	326		<b>28,804</b>	1110	Y600348
		40	324		<b>27,049</b>	1060	Y600347
		30	324		<b>27,049</b>	1060	Y600346
		25	324		<b>27,049</b>	1060	Y600345
	1200	15	324TCV	4	<b>28,150</b>	1060	Y600353
		10	256		<b>19,713</b>	845	Y600352
		7-1/2	254		<b>18,960</b>	785	Y600351
		5	215		<b>18,897</b>	690	Y600350
	900	7-1/2	256TCV	4	<b>19,888</b>	845	Y600356
		5	254		<b>19,027</b>	785	Y600355
		3	215		<b>18,804</b>	690	Y600354
4 x 6 x 15	1800	125	405TCV	5	<b>47,599</b>	1615	Y600360
		100	404		<b>42,733</b>	1540	Y600359
		75	365		<b>36,823</b>	1340	Y600358
		60	364		<b>33,705</b>	1305	Y600357
	1200	40	364TCV		<b>35,671</b>	1305	Y600364
		30	326		<b>31,370</b>	1255	Y600363
		25	324		<b>29,862</b>	1205	Y600362
		20	324		<b>29,862</b>	1205	Y600361
	900	20	324TCV		<b>30,253</b>	1205	Y600367
		15	324		<b>30,253</b>	1205	Y600366
		10	324		<b>30,253</b>	1205	Y600365

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.

**LIST PRICE SHEET**  
**MODEL 654A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**TEFC**

**230/460V, 3 PH, 60 HZ, 1.0 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
3 x 3 x 7	1800	5	213TCV	3	<b>\$13,833</b>	355	Y600372
		3	213		<b>13,551</b>	319	Y600371
		2	213		<b>13,551</b>	319	Y600370
		1	213		<b>13,551</b>	319	Y600369
		1-1/2	213		<b>13,551</b>	319	Y600368
	1200	1	213		<b>13,528</b>	319	Y600374
		1-1/2	213		<b>13,528</b>	319	Y600373
4 x 4 x 7	1800	5	213TCV	3	<b>15,321</b>	370	Y600378
		3	213		<b>15,028</b>	335	Y600377
		2	213		<b>15,028</b>	335	Y600376
		1-1/2	213		<b>15,028</b>	335	Y600375
	1200	2	213		<b>15,028</b>	370	Y600381
		1-1/2	213		<b>15,028</b>	335	Y600380
		1	213		<b>15,028</b>	355	Y600379
3 x 3 x 9	1800	15	254TCV	3	<b>16,126</b>	640	Y600386
		10	215		<b>15,747</b>	620	Y600385
		7-1/2	213		<b>14,948</b>	567	Y600384
		5	213		<b>14,071</b>	459	Y600383
		3	213		<b>13,782</b>	423	Y600382
	1200	3	213TCV		<b>13,782</b>	567	Y600390
		2	213		<b>13,782</b>	459	Y600389
		1-1/2	213		<b>13,782</b>	423	Y600388
		1	213		<b>13,782</b>	423	Y600387

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.

SECTION 650 PAGE 7  
 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 7  
 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 654A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**TEFC**

**230/460V, 3 PH, 60 HZ, 1.0 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER			
4 x 4 x 9A	1800	15	254TCV	3	<b>\$17,577</b>	785	Y600395			
		10	215		<b>17,187</b>	765	Y600394			
		7-1/2	213		<b>16,396</b>	712	Y600393			
		5	213		<b>15,512</b>	604	Y600392			
		3	213		<b>15,224</b>	568	Y600391			
	1200	5	215TCV		<b>17,322</b>	765	Y600400			
		3	213		<b>15,224</b>	712	Y600399			
		2	213		<b>15,224</b>	604	Y600398			
		1-1/2	213		<b>15,224</b>	568	Y600397			
		1	213		<b>15,224</b>	568	Y600396			
		4 x 4 x 9B	1800		20	256TCV	4	<b>20,737</b>	815	Y600404
					15	254		<b>19,697</b>	785	Y600403
10	215			<b>19,306</b>	765	Y600402				
7-1/2	213			<b>18,537</b>	712	Y600401				
1200	7-1/2		254TCV	<b>19,805</b>	785	Y600408				
	5		215	<b>19,439</b>	765	Y600407				
	3		213	<b>17,340</b>	712	Y600406				
	2		213	<b>17,340</b>	604	Y600405				
	3		215TCV	<b>16,668</b>	765	Y600412				
900	2		213	<b>17,747</b>	712	Y600411				
	1-1/2		213	<b>17,747</b>	604	Y600410				
	1		213	<b>17,747</b>	568	Y600409				

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.

SECTION 650 PAGE 8  
 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 8  
 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 654A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**TEFC**

**230/460V, 3 PH, 60 HZ, 1.0 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER		
4 x 4 x 12	1800	60	364TCV	5	<b>\$39,157</b>	1855	Y600417		
		50	326		<b>33,773</b>	1570	Y600416		
		40	324		<b>31,230</b>	1545	Y600415		
		30	324		<b>31,230</b>	1545	Y600414		
		25	324		<b>31,230</b>	1545	Y600413		
		15	324TCV		<b>32,739</b>	1545	Y600421		
	1200	10	256	4	<b>21,856</b>	1070	Y600420		
		7-1/2	254		<b>20,870</b>	1040	Y600419		
		5	215		<b>20,503</b>	1020	Y600418		
	900	7-1/2	256TCV		<b>22,082</b>	1070	Y600424		
		5	254		<b>20,926</b>	1040	Y600423		
		3	215		<b>20,367</b>	1020	Y600422		
	4 x 6 x 15	1800	100		405TCV	5	<b>55,995</b>	2610	Y600427
			75		365		<b>45,571</b>	2525	Y600426
60			364		<b>40,868</b>		2275	Y600425	
1200		40	364TCV	<b>43,840</b>	2105		Y600431		
		30	326	<b>36,708</b>	1820		Y600430		
		25	324	<b>34,452</b>	1795		Y600429		
		20	324	<b>34,452</b>	1795		Y600428		
900		20	324TCV	<b>35,106</b>	1795		Y600434		
		15	324	<b>35,106</b>	1795		Y600433		
		10	324	<b>35,106</b>	1795		Y600432		

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.

SECTION 650 PAGE 9  
DATED JANUARY 1, 2020  
SUPERSEDES PAGE 9  
DATED FEBRUARY 18, 2019

LIST PRICE SHEET  
**MODEL 654A**  
**CLOSE COUPLED MOTOR**  
**MODIFICATIONS**

REFER TO FACTORY FOR MOTOR MODIFICATIONS

**LIST PRICE SHEET**  
**OPTIONAL**  
**FEATURES**

OPTION NO.	MECHANICAL SEALS	FACE MATERIAL	SEAL PART-NO.	POWER FRAME	LIST PRICE	OPT. NO.
1	DURAMETALIC CRO DOUBLE SEAL BOX OPT. 16C INCLUDED	CARBON* VS DURCHROME	712-6424-772	3, 4	<b>\$1,168</b>	1A
			712-6426-773	5	<b>3,583</b>	1B
	DURAMETALIC BRO DOUBLE SEAL BOX OPT. 16C INCLUDED	CARBON* VS DURCHROME	712-6427-741	5	<b>13,911</b>	1C
	DURAMETALIC RA SINGLE OUTSIDE SEAL BOX OPT. 16E INCLUDED	TUNGSTEN CARBIDE VS TUNGSTEN CARBIDE	712-6425-566	3, 4	<b>8,198</b>	1D
			712-6428-566	5	<b>19,217</b>	1E
	JOHN CRANE TYPE 8B2 SINGLE OUTSIDE SEAL BOX OPT. 16C INCLUDED	TUNGSTEN CARBIDE VS TUNGSTEN CARBIDE	712-6412-678	3, 4	<b>10,151</b>	1F
			712-6417-678	5	<b>13,684</b>	1G
	JOHN CRANE TYPE 88 DOUBLE CARTRIDGE SEAL BOX OPT. 16C INCLUDED	CARBON VS TUNGSTEN CARBIDE	712-6413-767	3, 4	<b>N/A</b>	1H
			712-6418-767	5	<b>0</b>	1J
	JOHN CRANE TYPE 21 DOUBLE SEAL	CARBON VS CERAMIC*	712-6410-753	3, 4	<b>1,186</b>	1K
	JOPHN CRANE TYPE T1 DOUBLE SEAL	CARBON VS CERAMIC*	712-6415-753	5	<b>8,948</b>	1L
	JOHN CRANE TYPE 1 SINGLE SEAL BOX OPT. 16E INCLUDED	TUNGSTEN CARBIDE VS TUNGSTEN CARBIDE	712-6409-678	3, 4	<b>4,155</b>	1M
			712-6414-678	5	<b>11,272</b>	1N
	JOHN CRANE TYPE 8TD DOUBLE MECHANICAL SEAL BOX OPT. 16C INCLUDED	CARBON VS CERAMIC	712-6411-753	3, 4	<b>1,362</b>	1P
			712-6416-753	5	<b>3,839</b>	1R
	CHESTERTON TYPE 880 SINGLE SEAL BOX OPT 16E INCLUDED	CARBON VS TUNGSTEN CARBIDE	712-6435-571	3, 4	<b>N/A</b>	1AA
		712-6436-571	5	<b>N/A</b>	1AB	

**\* DO NOT USE AT 1800 RPM WHEN BOX PRESSURE EXCEEDS 50 PSI**

2	OIL LUBRICATION MODEL 651A (P.F. 3C ONLY)	290	2A
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3	SHAFT, STAINLESS STEEL 316	3	<b>561</b>	3A
		4	<b>3,177</b>	3B
		5	<b>5,025</b>	3C
	FLEXIBLE SHAFTING	REFER TO APPLICATION ENGINEERING		

**RTF = REFER TO FACTORY**

**LIST PRICE SHEET**  
**OPTIONAL**  
**FEATURES**

OPTION NO.	DESCRIPTION	POWER FRAME	MATERIAL	LIST PRICE	OPT. NO.
4	SHAFT SLEEVE	3C, 4C, 4D	316 SS (1)	\$459	4A
			CERAMIC (2) COATED 316 SS	3,405	4B
			CERAMIC (2) COATED BRONZE	2,159	4C
		5E, 5F	316 SS (1)	2,486	4D
			CERAMIC (2) COATED 316 SS	3,752	4E
			CERAMIC (2) COATED BRONZE	2,551	4F

OPTION NO.	DESCRIPTION		PUMP SIZE	LIST PRICE	OPT. NO.
5	IMPELLER	BRONZE	3 x 3 x 7	\$1,062	5A
			4 x 4 x 7	1,062	5B
			3 x 3 x 9	1,278	5C
			4 x 4 x 9A	1,278	5D
			4 x 4 x 9B	1,935	5E
			4 x 4 x 12	2,654	5F
			4 x 6 x 15	3,467	5G
	STAINLESS STEEL FASTENERS (KEY, CAPSCREW, WASHER)	POWER FRAME 3C	848	5H	
		POWER FRAME 4	848	5J	
		POWER FRAME 5	1,314	5K	

**NOTES:** (1) FOR MECHANICAL SEAL ONLY  
 (2) FOR PACKING ONLY

LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION	PUMP SIZE	MATERIAL	LIST PRICE	OPTION NO.
6	IMPELLER RING	3 x 3 x 9	BRONZE	\$536	6A
			STAINLESS STEEL	1,050	6B
		4 x 4 x 7 4 x 4 x 9A 4 x 4 x 9B 4 x 4 x 12	BRONZE	764	6C
			STAINLESS STEEL	1,438	6D
		4 x 6 x 15	BRONZE	954	6E
			STAINLESS STEEL	2,343	6F
	IMPELLER AND CASE RING (CASE RING ONLY NOT AVAILABLE)	3 x 3 x 7 3 x 3 x 9	BRONZE	1,066	6G
			STAINLESS STEEL	2,114	6H
		4 x 4 x 7 4 x 4 x 9A 4 x 4 x 9B 4 x 4 x 12	BRONZE	1,524	6J
			STAINLESS STEEL	2,864	6K
		4 x 6 x 15	BRONZE	1,903	6L
			STAINLESS STEEL	4,693	6M



LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION		LIST PRICE	OPTION NO.	
12	SPLIT PACKING BOX		POWER FRAME 4	\$695	12A
			POWER FRAME 5	848	12B
16	FLUSHING ARRANGEMENTS	PACKING	EXTERNAL LIQUID PRESSURE - DEAD END BOX	137	16A
			AUTOMATIC GREASE CUP (10oz.) ON STUFFING BOX WITH PIPING	1509	16B
		MECHANICAL SEALS	EXTERNAL PRESSURE FLOW-THROUGH BOX FOR DOUBLE SEALS	639	16C
			DEAD END BOX FOR SINGLE SEALS - WITH PROVISIONS FOR EXTERNAL LIQUID PRESSURE*	583	16E
			AUTOMATIC SEAL WATER PIPING - INCLUDES: GATE VALVE, SOLENOID VALVE, PRESSURE REGULATOR, FLOW METER/REGULATOR, GAUGE, FITTINGS. (MAY BE SHIPPED SEPARATELY)	4,573	16F
		FLUSH CONNECTIONS	TO WEAR RINGS	583	16H

\* PENTAIR RECCOMENDS THE USE OF AN EXTERNAL FLUSH WITH NON-CLEAN PUMPAGE TO EXTEND SEAL LIFE, ALTHOUGH IT IS NOT REQUIRED AND THE STUB PIPE CAN BE PLUGGED

**LIST PRICE SHEET**  
**OPTIONAL**  
**FEATURES**

OPTION NO.	DESCRIPTION	SIZE	LIST PRICE	OPTION NO.
17	SUCTION NOZZLE WITH CLEANOUT - MODEL 651A ONLY FOR DESCRIPTION AND DIMENSIONS, REFER TO SECTION 610 PAGE 168	6 x 6	\$2,159	17A
		3 x 4	1,164	17D
	SUCTION INCREASING ELBOW WITH CLEANOUT TO INCREASE SIZE OF SUCTION ELBOW ON MODELS 652A & 653A	4 x 6	1,763	17E
		6 x 8	2,387	17F

OPTION NO.	DESCRIPTION	POWER SIZE	LIST PRICE	OPTION NO.
59	GLAND  BRONZE MODEL 651A ONLY LEAKAGE ACCUMULATOR GLAND IS STANDARD ON MODELS 652A, 653A - MADE FROM ALUMINUM	3	\$192	59A
		4	192	59B
		5	322	59C
	STAINLESS STEEL FASTENERS ( NUTS & BOLTS)	3	180	59D
		4	180	59E
		5	248	59F

OPTION NO.	DESCRIPTION	MOTOR FRAME SIZE	BASE PART NO.	BASE HEIGHT	WGT. LBS.	LIST PRICE	OPTION NO.
72	HIGH RING BASE FOR USE WITH MODEL 652A ELECTRIC MOTOR SUPPORT FOR "P" BASE MOTORS	143HP - 145HP	820-0343-087	8	75	\$907	72A
		182HP - 184HP					
		213HP - 215HP					
		254HP - 256HP					
		284HP - 286HP	820-0344-087	10	110	1,935	72C
		324HP - 326HP					
		364HP - 365HP					
		404HP - 405HP					
444HP - 445HP	REFER TO FACTORY						
ABOVE 445HP	REFER TO FACTORY						

**NOTES:** FOR MOTOR SHAFT DIMENSIONS REFER TO SECTION 1010 PAGE 72  
 REFER TO 652A DIMENSION PAGES TO CALCULATE FLEX SHAFT LENGTHS  
 FOR FLEX SHAFTING PRICING, REFER TO APPLICATION ENGINEERING

OPTION NO.	DESCRIPTION	LIST PRICE	OPTION NO.
90	GEAR HEAD DRIVE COMBINATION GEAR HEAD DRIVE		REFER TO FACTORY

OPTION NO.	DESCRIPTION	PUMP SIZE	LIST PRICE	OPTION NO.
93	STAINLESS STEEL LIQUID END FASTENERS. INCLUDES ALL CAPSCREWS, NUTS & BOLTS ON THE LIQUID END AND IN THE SEAL/PACKING BOX AREA AND ALL CAPSCREWS FOR MOUNTING POWER FRAME TO SEAL/STUFFING BOX BRACKET. IMPELLER KEY, CAPSCREW AND WASHER OPTION 5H - 5K INCLUDED. DOES NOT INCLUDE PIPE PLUGS OR POWER FRAME FASTENERS.	3 x 3 x 7	\$1,853	93A
		4 x 4 x 7		
		3 x 3 x 9	1,911	93B
		4 x 4 x 9A		
		4 x 4 x 9B	2,237	93C
		4 x 4 x 12		
4 x 6 x 15	2,701	93D		

**NOTES:** FOR WATER SEAL UNITS, SEE SECTION 680  
 FOR MOTORS, SEE SECTION 1010  
 REFER TO SECTION 5000 FOR ENGINEERING TESTS, SPECIAL CALCULATIONS, SPECIAL CURVES,  
 DRAWINGS AND MANUALS.

LIST PRICE SHEET  
**MODEL 653A**  
**COUPLINGS**

DRIP PROOF MOTOR R.P.M. - H.P.			HP FRAME	POWER SERIES	ADDITION FOR COUPLING				
					LOVEJOY		WOODS		
875	1150	1750			LIST PRICE	WT.	Option No	LIST PRICE	WT.
	3/4	1	143HP	3C-4C	RTF	3	34STD	\$240	3
3/4	1	1-1/2 - 2	145HP	3C-4C	RTF	3	34STD	240	3
1	1-1/2	3	182HP	3C-4C	RTF	3	34STD	240	3
1-1/2	2	5	184HP	3C-4C	RTF	3	34STD	240	3
2	3	7-1/2	213HP	3C-4C	RTF	3	34STD	240	3
				5E-5F	RTF	21	34STD	929	21
3	5	10	215HP	3C-4C	RTF	6	34STD	329	6
				5E-5F	RTF	21	34STD	929	21
5	7-1/2	15	254HP	3C-4C	RTF	6	34STD	329	6
				5E-5F	RTF	21	34STD	929	21
7-1/2	10	20	256HP	4C	RTF	8	34STD	437	8
				5E-5F	RTF	21	34STD	929	21
10	15	25	284HPH	4C	RTF	8	34STD	437	8
				5E-5F	RTF	21	34STD	929	21
15	20	30	286HPH	4C	RTF	8	34STD	437	8
				5E-5F	RTF	21	34STD	929	21
20	25	40	325HP	5E-5F	RTF	21	34STD	929	21
25	30	50	326HP	5E-5F	RTF	21	34STD	929	21
30	40	60	364HP	5E-5F			34STD	\$929	27
40	50	75	365HP	5E-5F			34STD	2,216	42
50	60	100	404HP	5E-5F			34STD	2,216	42
	75	125	405HP	5E-5F			34STD	3,174	74
	100	150	444HP	5E-5F			34STD	3,174	74

## LIST PRICES

### SLUDG-FLO VORTEX PUMPS

MODEL 661A  
 HORIZONTAL FLEXIBLE COUPLED

MODEL 662A  
 VERTICAL DRY PIT - FLEXIBLE SHAFT

MODEL 663A  
 VERTICAL DRY PIT - FLEXIBLE COUPLED  
 PEDESTAL MOUNTED MOTOR

MODEL 664A  
 VERTICAL CLOSE COUPLED

### MATERIALS OF CONSTRUCTION

PUMP PART	STANDARD FITTED	
CASING	CAST IRON ASTM A48, CL30	
IMPELLER	CAST IRON ASTM A48, CL30	
SHAFT	STEEL SAE 1045	
SLEEVE	PACKING	HDN SS, ASTM A276, AISI 440C, 450 BHN
	MECH.SEAL	BRONZE, ASTM B62
GLAND	VERTICAL	AL, ASTM A356-T6
	HORIZONTAL	CAST IRON, ASTM A48, CL30
POWER FRAME	CAST IRON ASTM A48, CL30	
COVER	CAST IRON ASTM A48, CL30	
PACKING	INTER WOVEN GRAPHITE IMPREGNATED T.F.E.	
LANTERN RING	GLASSFILLEDTFLON	

F.O.B. NO. AURORA, ILLINOIS 60542  
 PRICING SUBJECT TO CHANGE WITHOUT NOTICE.  
 REFER TO ENCOMPASS FOR MOST ACCURATE PRICING AND SELECTION TABLES



**AURORA®**

SECTION 660 PAGE 2  
 DATED JANUARY 1, 2020  
 SUPERSEDES PAGE 2  
 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODELS 661A - 662A -**  
**663A**

PUMP SIZE	POWER FRAME	LIST PRICE STANDARD FITTED	CONTROL NO.	WGT.	HIGH CROME IRON	STAINLESS STEEL
<b>MODEL 661A - HORIZONTAL VORTEX - PUMP ONLY</b>						
3 x 3 x 9	3C	<b>\$8,564</b>	X602001	200	Refer To Application Engineering	Refer To Application Engineering
4 x 4 x 9	3C	<b>9,714</b>	X602005	220		
3 x 3 x 12	3C	<b>10,515</b>	X602009	277		
4 x 4 x 12	3C	<b>10,714</b>	X602013	305		
6 x 6 x 12	4C	<b>14,245</b>	X602021	420		
6 x 6 x 12	5E	<b>21,533</b>	X602017	710		
6 x 6 x 15	5E	<b>22,803</b>	X602025	825		
<b>MODEL 662A - VORTEX PUMP ONLY - FOR FLEXIBLE SHAFTING</b>						
3 x 3 x 9	3C	<b>11,864</b>	X602031	275	Refer To Application Engineering	Refer To Application Engineering
4 x 4 x 9	3C	<b>13,157</b>	X602035	300		
3 x 3 x 12	3C	<b>13,095</b>	X602039	350		
4 x 4 x 12	3C	<b>14,570</b>	X602043	390		
6 x 6 x 12	4C	<b>19,644</b>	X602051	630		
6 x 6 x 12	5E	<b>25,995</b>	X602047	990		
6 x 6 x 15	5E	<b>27,255</b>	X602055	1070		
<b>MODEL 663A - VERTICAL VORTEX PUMP WITH MOTOR SUPPORT FOR FLEXIBLE COUPLING</b>						
3 x 3 x 9	3C	<b>12,238</b>	X602061	305	Refer To Application Engineering	Refer To Application Engineering
4 x 4 x 9	3C	<b>14,842</b>	X602065	340		
3 x 3 x 12	3C	<b>14,779</b>	X602069	385		
4 x 4 x 12	3C	<b>16,234</b>	X602073	410		
6 x 6 x 12	4C	<b>21,330</b>	X602081	705		
6 x 6 x 12	5E	<b>30,370</b>	X602077	1200		
6 x 6 x 15	5E	<b>31,604</b>	X602085	1300		

**LIST PRICE SHEET**  
**MODEL 661A**  
**BASE & COUPLINGS**

POWER FRAME	FRAME SIZE	143T	145T	145T	182T	184T	213T	215T	254T	256T	284T	286T	324T	326T	364T	365T	
<b>STEEL BASE</b>																	
3	CONTROL LIST WT	14A	14A	14A	14B	14B	14C	14C	14D	14E	14F	14G	14H	14J	14K	14L	
		<b>\$794</b>	<b>\$794</b>	<b>\$794</b>	<b>\$794</b>	<b>\$794</b>	<b>\$794</b>	<b>\$794</b>	<b>\$794</b>	<b>\$1,148</b>	<b>\$1,148</b>	<b>\$1,187</b>	<b>\$1,187</b>	<b>\$1,187</b>	<b>\$1,360</b>	<b>\$1,360</b>	<b>\$1,360</b>
		95	95	95	95	95	95	95	95	125	125	135	135	135	155	155	155
4	CONTROL LIST WT								14M	14N	14P	14R	14T	14W	14AA	14AB	
									<b>\$1,360</b>	<b>1360</b>	<b>1659</b>	<b>1659</b>	<b>1659</b>	<b>1659</b>	<b>1659</b>	<b>2288</b>	
									155	155	170	170	170	170	170	190	
5	CONTROL LIST WT								14AC	14AD	14AE	14AF	14AG	14AH	14AS	14AK	
									<b>\$2,288</b>	<b>2,288</b>	<b>2,288</b>	<b>2,288</b>	<b>2,262</b>	<b>2,262</b>	<b>2,262</b>	<b>2,262</b>	
									190	190	190	190	205	205	205	205	
<b>COUPLING</b>																	
3	CONTROL LIST WT	34A	34A	34A	34B	34B	34C	34D	34E	34F	34G	34G	34H	34J	34K	34M	
		<b>\$180</b>	<b>180</b>	<b>180</b>	<b>180</b>	<b>180</b>	<b>180</b>	<b>226</b>	<b>226</b>	<b>314</b>	<b>314</b>	<b>314</b>	<b>677</b>	<b>677</b>	<b>900</b>	<b>1,742</b>	
		3	3	3	3	3	3	6	6	8	8	8	21	21	30	35	
4	CONTROL LIST WT								34N	34P	34R	34T	34W	34AA	34AB	34AC	
									<b>\$226</b>	<b>310</b>	<b>310</b>	<b>310</b>	<b>677</b>	<b>677</b>	<b>900</b>	<b>1,742</b>	
									6	8	8	8	21	21	30	35	
5	CONTROL LIST WT								34AD	34AE	34AF	34AG	34AH	34AJ	34AK	34AL	
									<b>\$677</b>	<b>677</b>	<b>677</b>	<b>677</b>	<b>677</b>	<b>677</b>	<b>900</b>	<b>1,742</b>	
									21	21	21	21	21	21	30	35	

ODP MOTOR FRAME SIZES		
HP	1750 RPM	1200 RPM
1	143T	145T
1-1/2	145T	182T
2	145T	184T
3	182T	213T
5	184T	215T
7-1/2	213T	254T
10	215T	256T
15	254T	284T
20	256T	286T
25	284T	324T

ODP MOTOR FRAME SIZES		
HP	1750 RPM	1200 RPM
30	286T	326T
40	324T	364T
50	326T	365T
60	364T	404T
75	365T	405T
100	404T	444T
125	405T	445T
150	444T	447T
200	445T	449T

**LIST PRICE SHEET**  
**MODEL 664A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**OPEN DRIP PROOF**  
**230/460V, 3 PH, 60 HZ, 1.15 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
3 x 3 x 9	1800	20	256 TCV	3	\$14,432	425	Y600604
		15	254 TCV		13,636	465	Y600603
		10	215		13,560	370	Y600602
		7-1/2	213		12,965	345	Y600601
		5	213		12,445	305	Y600600
	1200	7-1/2	254 TCV		13,742	465	Y600609
		5	215		13,742	370	Y600608
		3	213		12,040	345	Y600607
		2	213		11,621	305	Y600606
		1-1/2	213		11,621	295	Y600605
	900	3	215		13,560	370	Y600613
		2	213		12,352	345	Y600612
		1-1/2	213		11,886	305	Y600611
		1	213		11,886	295	Y600610
		4 x 4 x 9	1800		20	256 TCV	15,611
15	254			14,814	505	Y600617	
10	215			14,741	410	Y600616	
7-1/2	213			14,123	385	Y600615	
5	213			13,622	345	Y600614	
1200	10		256 TCV	15,640	565	Y600623	
	7-1/2		254	14,911	505	Y600622	
	5		215	14,842	410	Y600621	
	3		213	13,216	385	Y600620	
	2		213	12,792	345	Y600619	
900	5		254 TCV	14,948	505	Y600628	
	3		215	14,741	410	Y600627	
	2		213	13,508	385	Y600626	
	1-1/2		213	13,059	345	Y600625	
	1		213	13,059	335	Y600624	

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.

**LIST PRICE SHEET**  
**MODEL 664A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**OPEN DRIP PROOF**  
**230/460V, 3 PH, 60 HZ, 1.15 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
3 x 3 x 12	1800	ALL		3			
	1200	10	256 TCV		<b>\$15,593</b>	610	Y600632
		7-1/2	254		<b>14,842</b>	555	Y600631
		5	215		<b>14,777</b>	460	Y600630
		3	213		<b>13,138</b>	430	Y600629
	900	7-1/2	256 TCV		<b>15,759</b>	610	Y600636
		5	254		<b>14,893</b>	555	Y600635
		3	215		<b>14,680</b>	460	Y600634
		2	213		<b>13,447</b>	430	Y600633
	4 x 4 x 12	1800	ALL			3	
1200		10	256 TCV	<b>16,186</b>	645		Y600639
		7-1/2	254	<b>15,448</b>	585		Y600638
		5	215	<b>15,400</b>	490		Y600637
900		7-1/2	256 TCV	<b>16,357</b>	645		Y600642
		5	254	<b>15,493</b>	585		Y600641
		3	215	<b>15,274</b>	490		Y600640
		125	405 TCV	<b>46,322</b>	1570		Y600649
		100	404	<b>41,444</b>	1440		Y600648
6 x 6 x 12		1800	75	365	5		<b>35,510</b>
	60		364	<b>32,394</b>		1165	Y600646
	50		326	<b>29,212</b>		1130	Y600645
	1200	40	324	<b>27,457</b>		1080	Y600644
		30	324	<b>27,457</b>		1080	Y600643
		50	365 TCV	<b>37,290</b>		1365	Y600653
		40	364	<b>34,365</b>		1165	Y600652
		30	326	<b>30,061</b>		1130	Y600651
		25	324	<b>28,574</b>		1080	Y600650

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.



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 DATED JANUARY 1, 2020  
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 DATED FEBRUARY 18, 2019

**LIST PRICE SHEET**  
**MODEL 664A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**OPEN DRIP PROOF**  
**230/460V, 3 PH, 60 HZ, 1.15 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER	
6 x 6 x 12	1200	20	324 TCV	5	<b>\$28,574</b>	1080	Y600656	
		15	324		<b>28,574</b>	1080	Y600655	
	900	20	324 TCV		<b>28,949</b>	1080	Y600662	
		15	324		<b>28,949</b>	1080	Y600661	
		10	324		<b>28,949</b>	1080	Y600660	
		7-1/2	256		<b>24,606</b>	815	Y600659	
		5	254	<b>23,738</b>	755	Y600658		
		3	215	<b>23,525</b>	660	Y600657		
	6 x 6 x 15	1200	60	404 TCV	5	<b>42,464</b>	1655	Y600677
			50	365		<b>38,421</b>	1455	Y600676
40			364	<b>35,498</b>		1420	Y600675	
30			326	<b>31,174</b>		1370	Y600674	
25			324	<b>29,690</b>		1320	Y600673	
20			324	<b>29,690</b>		1320	Y600672	
15			324	<b>29,690</b>		1320	Y600671	
900			30	364 TCV		<b>34,818</b>	1420	Y600682
		25	326	<b>31,719</b>		1370	Y600681	
		20	324	<b>30,061</b>		1320	Y600680	
		15	324	<b>30,061</b>		1320	Y600679	
		10	324	<b>30,061</b>		1320	Y600678	

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT

**LIST PRICE SHEET**  
**MODEL 664A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**TEFC**  
**230/460V, 3 PH, 60 HZ, 1.0 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
3 x 3 x 9	1800	20	256 TCV	3	<b>\$16,549</b>	630	Y600687
		15	254 TCV		<b>15,512</b>	600	Y600686
		10	215		<b>15,128</b>	580	Y600685
		7-1/2	213		<b>14,351</b>	530	Y600684
		5	213		<b>13,470</b>	420	Y600683
	1200	7-1/2	254 TCV		<b>15,624</b>	600	Y600692
		5	215		<b>15,257</b>	580	Y600691
		3	213		<b>13,163</b>	530	Y600690
		2	213		<b>13,163</b>	420	Y600689
		1-1/2	213		<b>13,163</b>	385	Y600688
	900	3	215		<b>15,128</b>	580	Y600701
		2	213		<b>13,560</b>	530	Y600700
		1-1/2	213		<b>13,560</b>	420	Y600699
		1	213		<b>13,560</b>	385	Y600698
	4 x 4 x 9	1800	20		256 TCV	3	<b>17,728</b>
15			254	<b>16,687</b>	640		Y600696
10			215	<b>16,302</b>	620		Y600695
7-1/2			213	<b>15,512</b>	570		Y600694
5			213	<b>14,624</b>	460		Y600693
1200		10	256 TCV	<b>17,786</b>	670		Y600706
		7-1/2	254	<b>16,800</b>	640		Y600705
		5	215	<b>16,437</b>	620		Y600704
		3	213	<b>14,340</b>	570		Y600703
		2	213	<b>14,340</b>	460		Y600702
900		5	254 TCV	<b>16,859</b>	640		Y600711
		3	215	<b>16,302</b>	620		Y600710
		2	213	<b>14,721</b>	570		Y600709
		1-1/2	213	<b>14,721</b>	460		Y600708
		1	213	<b>14,721</b>	425		Y600707

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.

**LIST PRICE SHEET**  
**MODEL 664A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**TEFC**  
**230/460V, 3 PH, 60 HZ, 1.0 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER
3 x 3 x 12	1800	ALL		3			
	1200	10	256 TCV		<b>\$17,814</b>	715	Y600715
		7-1/2	254		<b>16,744</b>	685	Y600714
		5	215		<b>16,381</b>	665	Y600713
		3	213		<b>14,277</b>	615	Y600712
	900	7-1/2	256 TCV		<b>17,962</b>	715	Y600719
		5	254		<b>16,800</b>	685	Y600718
		3	215		<b>16,243</b>	665	Y600717
		2	213		<b>14,666</b>	615	Y600716
	4 x 4 x 12	1800	ALL			3	
1200		10	256 TCV	<b>18,322</b>	750		Y600726
		7-1/2	254	<b>17,366</b>	720		Y600725
		5	215	<b>16,970</b>	700		Y600724
900		7-1/2	256 TCV	<b>18,542</b>	750		Y600722
		5	254	<b>17,394</b>	720		Y600721
		3	215	<b>16,859</b>	700		Y600720
6 x 6 x 12		1800	100	405 TCV	5		<b>54,705</b>
	75		365	<b>44,257</b>		2170	Y600731
	60		364	<b>39,563</b>		1895	Y600730
	50		326	<b>34,183</b>		1610	Y600729
	40		324	<b>31,655</b>		1585	Y600728
	30		324	<b>31,655</b>		1585	Y600727
	1200	50	365 TCV	5	<b>46,918</b>	2170	Y600736
		40	364		<b>42,525</b>	1895	Y600735
		30	326		<b>35,417</b>	1610	Y600734
		25	324		<b>33,156</b>	1585	Y600733

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT.

**LIST PRICE SHEET**  
**MODEL 664A**  
**COMPLETE UNITS**  
**PUMP & MOTOR**  
**WITH TYPE 21 JOHN CRANE**  
**DOUBLE MECHANICAL SEAL**

**TEFC**  
**230/460V, 3 PH, 60 HZ, 1.0 S.F.**

PUMP SIZE	RPM	HP	FRAME SIZE	POWER SERIES	LIST PRICE	WGT.	CONTROL NUMBER		
6 x 6 x 12	1200	20	324 TCV	5	<b>\$33,156</b>	1585	Y600739		
		15	324		<b>33,156</b>	1585	Y600738		
	900	20	324 TCV		<b>33,796</b>	1585	Y600745		
		15	324		<b>33,796</b>	1585	Y600744		
		10	324	<b>33,796</b>	1585	Y600743			
		7-1/2	256	<b>26,806</b>	920	Y600742			
	900	5	254	4	<b>25,640</b>	890	Y600741		
		3	215		<b>25,108</b>	870	Y600740		
6 x 6 x 15		1200	60		404 TCV	5	<b>55,684</b>	2350	Y600759
			50		365		<b>48,054</b>	2270	Y600758
	40		364	<b>43,666</b>	1995		Y600757		
	30		326	<b>36,528</b>	1710		Y600756		
	25		324	<b>34,282</b>	1685		Y600755		
	20		324	<b>34,282</b>	1685		Y600754		
	15		324	<b>34,282</b>	1685		Y600753		
	900	30	364 TCV	<b>42,663</b>	1995		Y600764		
25		326	<b>37,304</b>	1710	Y600763				
20		324	<b>34,913</b>	1685	Y600762				
15		324	<b>34,913</b>	1685	Y600761				
10	324	<b>34,913</b>	1685	Y600760					

PRICE INCLUDES PUMP, MOTOR, VERTICAL PEDESTAL AND SUCTION ELBOW WITH HANDHOLE CLEAN-OUT

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**LIST PRICE SHEET**  
**MODEL 664A**  
**CLOSE COUPLED MOTOR**  
**MODIFICATIONS**

REFER TO FACTORY FOR MOTOR MODIFICATIONS

**LIST PRICE SHEET**  
**OPTIONAL**  
**FEATURES**

OPTION NO.	MECHANICAL SEALS	FACE MATERIAL	SEAL PART-NO.	POWER FRAME	LIST PRICE	OPT. NO.
1	DURAMETALIC CRO DOUBLE SEAL BOX OPT. 16C INCLUDED	CARBON* VS DURCHROME	712-6424-772	3, 4	\$1,202	1A
			712-6426-773	5	3,687	1B
	DURAMETALIC BRO DOUBLE SEAL BOX OPT. 16C INCLUDED	CARBON VS DURCHROME	712-6427-741	5	14,317	1C
			DURAMETALIC RA SINGLE OUTSIDE SEAL BOX OPT. 16E INCLUDED	TUNGSTEN CARBIDE VS TUNGSTEN CARBIDE	712-6425-566	3, 4
	712-6428-566	5			19,776	1E
	JOHN CRANE TYPE 8B2 SINGLE OUTSIDE SEAL BOX OPT. 16C INCLUDED	TUNGSTEN CARBIDE VS TUNGSTEN CARBIDE	712-6412-678	3, 4	9,973	1F
			712-6417-678	5	14,084	1G
	JOHN CRANE TYPE 88 DOUBLE CARTRIDGE SEAL BOX OPT. 16C INCLUDED	CARBON VS TUNGSTEN CARBIDE	712-6413-767	3, 4	N/A	1H
			712-6418-767	5	N/A	1J
	JOHN CRANE TYPE 21 DOUBLE SEAL	CARBON VS CERAMIC*	712-6410-753	3, 4	1,222	1K
	JOPHN CRANE TYPE T1 DOUBLE SEAL	CARBON VS CERAMIC*	712-6415-753	5	9,208	1L
	JOHN CRANE TYPE 1 SINGLE SEAL BOX OPT. 16E INCLUDED	TUNGSTEN CARBIDE VS TUNGSTEN CARBIDE	712-6409-678	3, 4	4,275	1M
			712-6414-678	5	11,601	1N
	JOHN CRANE TYPE 8TD DOUBLE MECHANICAL SEAL BOX OPT. 16C INCLUDED	CARBON VS CERAMIC	712-6411-753	3, 4	1,403	1P
			712-6416-753	5	3,951	1R
	CHESTERTON TYPE 880 SINGLE SEAL BOX OPT 16E INCLUDED	CARBON VS TUNGSTEN CARBIDE	712-6435-571	3, 4	N/A	1AA
712-6436-571			5	N/A	1AB	

\* DO NOT USE AT 1800 RPM WHEN BOX PRESSURE EXCEEDS 50 PSI

2	OIL LUBRICATION MODEL 661A (P.F. 3C ONLY)	298	2A
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3	SHAFT, STAINLESS STEEL 316	3	578	3A
		4	3,270	3B
		5	5,172	3C
	FLEXIBLE SHAFTING	REFER TO APPLICATION ENGINEERING		

RTF = REFER TO FACTORY

LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION	POWER FRAME	MATERIAL	LIST PRICE	OPT. NO.
4	SHAFT SLEEVE	3C, 4C,	316 SS (1)	\$472	4A
			CERAMIC (2) COATED 316 SS	3,504	4B
			CERAMIC (2) COATED BRONZE	2,222	4C
		5E,	316 SS (1)	2,222	4D
			CERAMIC (2) COATED 316 SS	3,861	4E
			CERAMIC (2) COATED BRONZE	2,625	4F

OPTION NO.	DESCRIPTION		PUMP SIZE	LIST PRICE	OPT. NO.
5	IMPELLER	STAINLESS STEEL FASTENERS (KEY, CAPSCREW, WASHER)	POWER FRAME 3C	\$872	5A
			POWER FRAME 4C	872	5B
			POWER FRAME 5E	1,353	5C

**NOTES:** (1) FOR MECHANICAL SEAL ONLY  
 (2) FOR PACKING ONLY

LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION		LIST PRICE	OPTION NO.	
12	SPLIT PACKING BOX		POWER FRAME 4	\$716	12A
			POWER FRAME 5	872	12B
16	FLUSHING ARRANGEMENTS	PACKING	EXTERNAL LIQUID PRESSURE - DEAD END BOX	142	16A
			AUTOMATIC GREASE CUP (10oz.) ON STUFFING BOX WITH PIPING	1554	16B
		MECHANICAL SEALS	EXTERNAL PRESSURE FLOW-THROUGH BOX FOR DOUBLE SEALS	658	16C
			FILTERED PUMPED LIQUID DEAD END BOX FOR DOUBLE SEALS - USE ONLY WHEN EXTERNAL LIQUID IS NOT AVAILABLE- DO NOT USE ON P.F. 5 AT 1800 RPM	1,894	16D
			DEAD END BOX FOR SINGLE SEALS WITH PROVISIONS FOR EXTERNAL LIQUID PRESSURE*	600	16E
			AUTOMATIC SEAL WATER PIPING - INCLUDES: GATE VALVE, SOLENOID VALVE, PRESSURE REGULATOR, FLOW METER/REGULATOR, GAUGE, FITTINGS. (MAY BE SHIPPED SEPARATELY)	4,706	16F
			FLUSH CONNECTIONS TO WEAR RINGS	600	16G

\* PENTAIR RECOMMENDS THE USE OF AN EXTERNAL FLUSH WITH NON-CLEAN PUMPAGE TO EXTEND SEAL LIFE, ALTHOUGH IT IS NOT REQUIRED AND THE STUB PIPE CAN BE PLUGGED



LIST PRICE SHEET  
**OPTIONAL  
 FEATURES**

OPTION NO.	DESCRIPTION	SIZE	LIST PRICE	OPTION NO.
17	SUCTION NOZZLE WITH CLEANOUT - MODEL 661A ONLY FOR DESCRIPTION AND DIMENSIONS, REFER TO SECTION 610 PAGE 168	6 x 6	\$2,222	17A
		3 x 4	1,198	17D
	SUCTION INCREASING ELBOW WITH CLEANOUT TO INCREASE SIZE OF SUCTION ELBOW ON MODELS 652A & 653A	4 x 6	1,814	17E
		6 x 8	2,457	17F

OPTION NO.	DESCRIPTION	POWER SIZE	LIST PRICE	OPTION NO.
59	GLAND  BRONZE MODEL 661A ONLY LEAKAGE ACCUMULATOR GLAND IS STANDARD ON MODELS 662A, 663A - MADE FROM ALUMINUM	3	\$198	59A
		4	198	59B
		5	331	59C
	STAINLESS STEEL FASTENERS ( NUTS & BOLTS)	3	185	59D
		4	185	59E
		5	256	59F

OPTION NO.	DESCRIPTION	MOTOR FRAME SIZE	BASE PART NO.	BASE HEIGHT	WGT. LBS.	LIST PRICE	OPTION NO.
72	HIGH RING BASE FOR USE WITH MODEL 662A ELECTRIC MOTOR SUPPORT FOR "P" BASE MOTORS	143HP - 145HP	820-0343-087	8	75	\$934	72A
		182HP - 184HP					
		213HP - 215HP					
		254HP - 256HP					
	284HPH - 286HPH	820-0344-087	10	110	1,992	72C	
							324HP - 326HP
							364HP - 365HP
							404HP - 405HP
							444HP - 445HP
							ABOVE 445HP

**NOTES:** FOR MOTOR SHAFT DIMENSIONS REFER TO SECTION 1010 PAGE 72  
 REFER TO 662A DIMENSION PAGES TO CALCULATE FLEX SHAFT LENGTHS  
 FOR FLEX SHAFTING PRICING, REFER TO APPLICATION ENGINEERING.

OPTION NO.	DESCRIPTION	LIST PRICE	OPTION NO.
90	GEAR HEAD DRIVE COMBINATION GEAR HEAD DRIVE		

OPTION NO.	DESCRIPTION	PUMP SIZE	LIST PRICE	OPTION NO.
93	STAINLESS STEEL LIQUID END FASTENERS. INCLUDES ALL CAPSCREWS, NUTS & BOLTS ON THE LIQUID END AND IN THE SEAL/PACKING BOX AREA AND ALL CAPSCREWS FOR MOUNTING POWER FRAME TO SEAL/STUFFING BOX BRACKET. IMPELLER KEY, CAPSCREW AND WASHER OPTION 5A- 5C INCLUDED. DOES NOT INCLUDE PIPE PLUGS OR POWER FRAME FASTENERS.	3 x 3 x 9 4 x 4 x 9	\$1,967	93A
		3 x 3 x 12 4 x 4 x 12 6 x 6 x 12	2,301	93B
		6 x 6 x 15	2,780	93C

**NOTES:** FOR WATER SEAL UNITS, SEE SECTION 680  
 FOR MOTORS, SEE SECTION 1010  
 REFER TO SECTION 5000 FOR ENGINEERING TESTS, SPECIAL CALCULATIONS, SPECIAL CURVES,  
 DRAWINGS AND MANUALS.

LIST PRICE SHEET  
**MODEL 663A**  
**COUPLINGS**

DRIP PROOF MOTOR R.P.M. - H.P.			HP FRAME	POWER SERIES	ADDITION FOR COUPLING				
					LOVEJOY		WOODS		
875	1150	1750			LIST PRICE	WT.	Option No	LIST PRICE	WT.
	3/4	1	143HP	3C - 4C	RTF	3	34STD	\$240	3
3/4	1	1-1/2 - 2	145HP	3C - 4C	RTF	3	34STD	240	3
1	1-1/2	3	182HP	3C - 4C	RTF	3	34STD	240	3
1-1/2	2	5	184HP	3C - 4C	RTF	3	34STD	240	3
2	3	7-1/2	213HP	3C - 4C	RTF	3	34STD	240	3
				5E	RTF	21	34STD	929	21
3	5	10	215HP	3C - 4C	RTF	6	34STD	329	6
				5E	RTF	21	34STD	929	21
5	7-1/2	15	254HP	3C	RTF	6	34STD	329	6
				4C - 5E	RTF	21	34STD	929	21
7-1/2	10	20	256HP	3C	RTF	8	34STD	437	8
				4C - 5E	RTF	21	34STD	929	21
10	15	25	284HPH	3C	RTF	8	34STD	437	8
				4C - 5E	RTF	21	34STD	929	21
15	20	30	286HPH	3C	RTF	6	34STD	437	6
				4C - 5E	RTF	21	34STD	929	21
20	25	40	324HP	3C	RTF	21	34STD	929	21
				4C - 5E	RTF	21	34STD	929	21
25	30	50	326HP	3C	RTF	21	34STD	929	21
				4C - 5E	RTF	21	34STD	929	21
30	40	60	364HP	5E			34STD	\$929	27
40	50	75	365HP	5E			34STD	2,216	42
50	60	100	404HP	5E			34STD	2,216	42
	75	125	405HP	5E			34STD	3,174	74
	100	150	444HP	5E			34STD	3,174	74

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