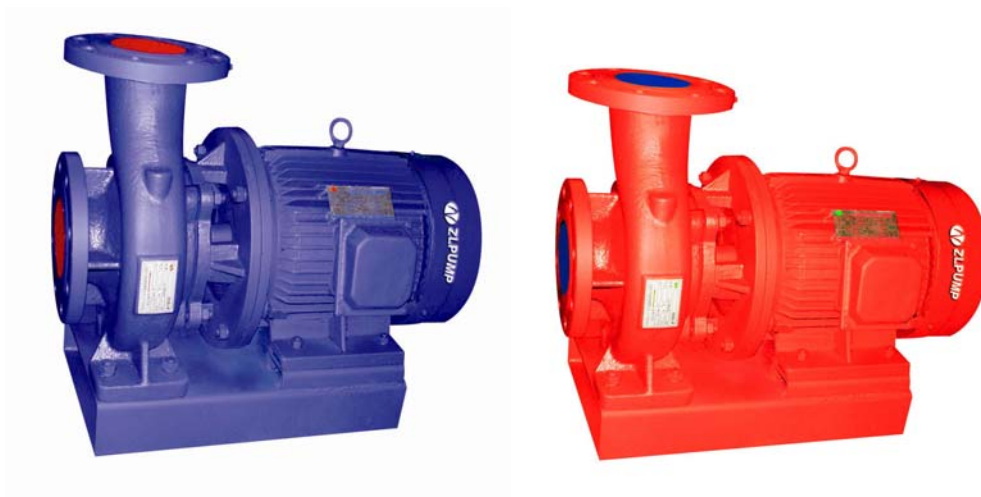


ZL



ZLW Series

Single-stage Monoblock Centrifugal Pump



SHANGHAI ZHILI PUMP MFR CO.,LTD

Application

Apply as the transportation of liquids in the fields of air condition, heating, sanitary water, water treatment cooling, refrigerating system, liquid circulation, water supply, pressure boosting, sea water delivery and irrigation etc.

Working Conditions

Rotating speed: 3600r/min, 1800r/min, 2960r/min, 1480r/min

Medium: clean water or other liquids similar to clean water in physical and chemical properties

Medium temperature: -10 ~ 80°C, 400°C available under special design

Ambient temperature: Up to 40°C

Range of capacity: 1.8~2000m³/h

Range of head: up to 230m

Maximum working pressure: suction pressure+head of pump ≤ 25 bar

Pump Construction

Casing/impeller: cast iron, stainless steel, copper, bronze

Shaft: carbon steel 45#, stainless steel

Mechanical seal: graphite/silicon carbide/tungsten carbide

Structure Description

Compact structure, most application for modern constructions.

1. Pump casing: the spiral casing with pipe connection is designed and manufactured by the most superior hydraulic model nowadays, with inlet and outlet the same diameter. Flanges conform to GB4216.5, and are equipped with Rp1/4 or Rp 3/8 pressure testing plug.

2. Impeller: closed impeller, no limit to rotation direction under the water temperature below 80°C and 120°C.

3. Special design of dynamic seal ring ensure well seal and reliable operation..

Advantages

1. Directly coupled, vibration proof and low noise.

2. Same diameter of inlet and outlet .

3. C&U bearing, which is the most famous brand in China.

4. Circulating flow cooling ensure mechanical seal long life .

5. Small foundation required that will saving construction investment by 40-60%.

6. Excellent seal that is no leakage

Motor

TEFC air-cooled squirrel cage, 3 phase asynchronous motor.

Voltage: 220V, 380V, 400V, 415V, 440V, 660V (other voltage, pls inform before order)

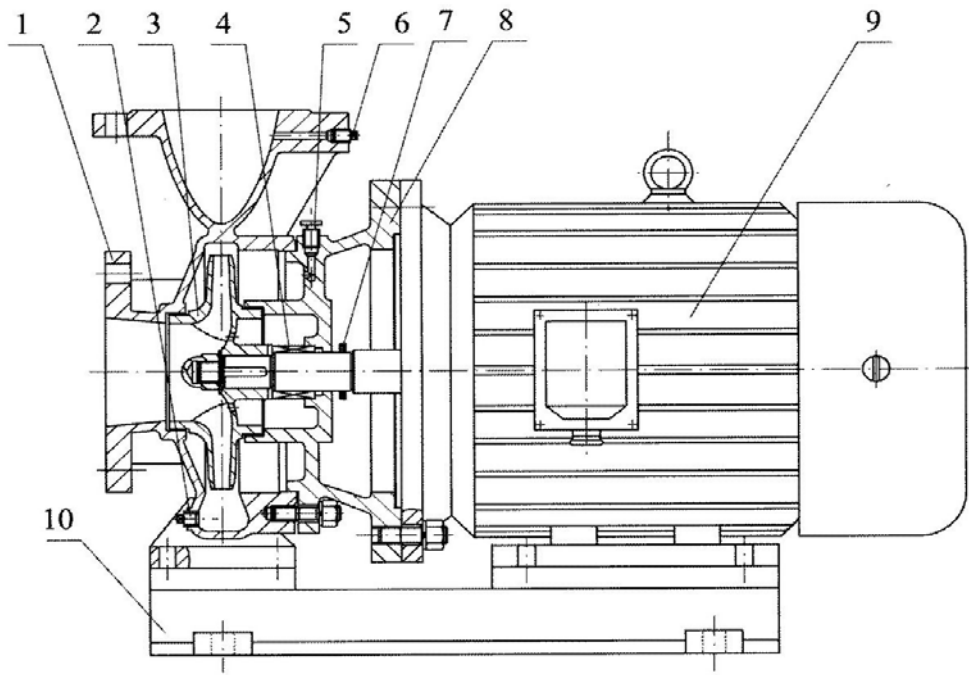
Frequency: 50Hz, 60Hz

Insulation : IP44/IP54/IP55

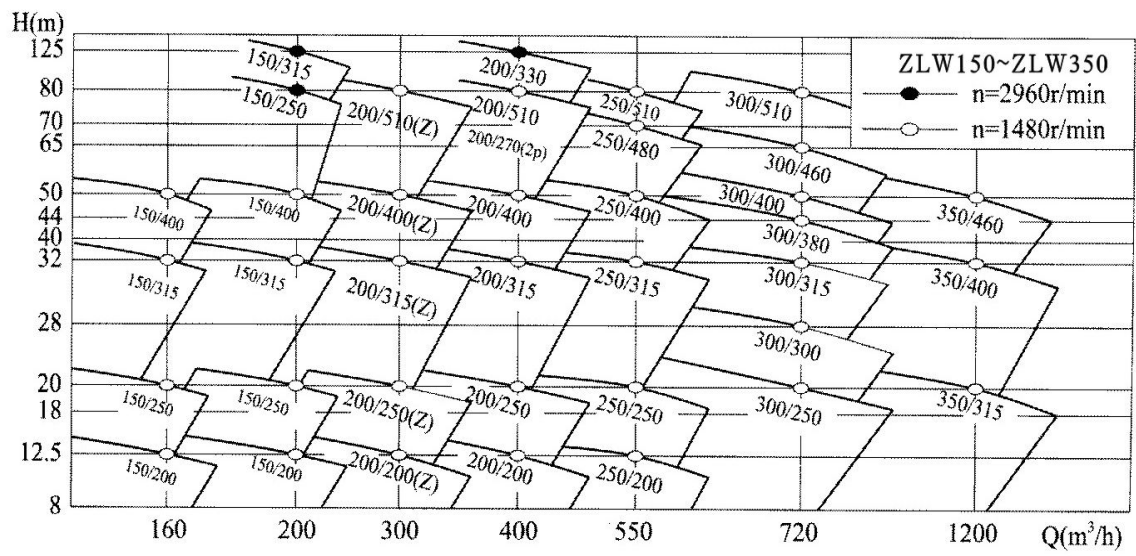
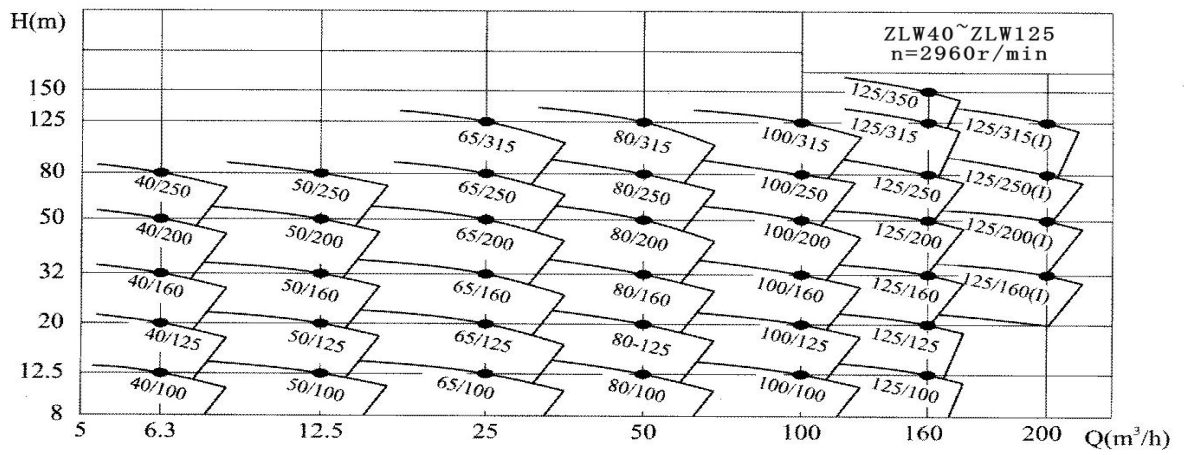
Protection class: F

Insulation modes: B35

Notice: Special motor can be man made .



NO.	Name	Material	NO.	Name	Material
1	Casing	FC20	6	Screwed plug	C45 steel
2	water drainage plug	FC20	7	water resistant ring	FC20
3	Impeller	FC20	8	Pump cover	FC20
4	Mechanical seal	Sic	9	Motor	FC20
5	Air discharge valve	FC20	10	Base plate	FC20



ZLW Performance Parameter Table

Type	Capacity		Head (m)	Efficiency (%)	Speed (r/min)	Motor Power (KW)	NPSH (m)	Weight (kg)
	(m ³ /h)	(L/S)						
15/80-0.18/2	1.1	0.3	8.5	26	2960	0.18	2.3	17
	1.5	0.42	8	34				
	2.0	0.55	7	34				
20/110-0.37/2	1.8	0.5	16	25	2960	0.37	2.3	25
	2.5	0.69	15	24				
	3.3	0.91	13.5	35				
20/125-0.75/2	1.8	0.5	21	30	2960	0.75	2.3	35
	2.5	0.69	20					
	3.3	0.91	18.6					
20/160-1.1/2	1.8	0.5	33	19	2960	1.1	2.3	29
	2.5	0.69	32	25				
	3.3	0.91	30	23				
25/110-0.55/2	2.8	0.78	16	34	2960	0.55	2.3	26
	4	1.11	15	42				
	5.2	1.44	13.5	41				
25/125-0.75/2	2.8	0.78	20.6	28	2960	0.75	2.3	28
	4	1.11	20	36				
	5.2	1.44	18	35				
25/115-0.75/2	2.5	0.69	17	35	2960	0.75	2.3	27
	3.6	1	16					
	1.6	1.28	14.4					
25/160-1.5/2	2.8	0.78	33	24	2960	1.5	2.3	39
	4	1.11	32	32				
	5.2	1.44	30	33				
25/150-1.1/2	2.6	0.72	28.5	22	2960	1.1	2.3	34
	3.7	1.03	28	31				
	4.9	1.36	26	29				
32/100-0.55/2	4.5	1.25	12.5	44	2960	0.55	2.0	27
32/125-0.75/2	3.5	0.97	22	40	2960	0.75	2.3	28
	5	1.39	20	44				
	6.5	1.8	18	42				
32/110-0.55/2	3.1	0.86	17.6	43	2960	0.55	2.3	28
	4.5	1.25	16					
	5.8	1.61	14.4					
32/160-1.5/2	5	1.39	32	44	2960	1.5	2.3	39

32/150-1.1/2	4	1.1	25	34	2960	1.1	2	38
32/160-2.2/2	4.4 6.3 8.3	1.22 1.75 2.32	33.2 32 30.2	34 40 42	2960	2.2	2	47
32/200-3/2	4.5	1.25	50	32	2960	3	2	55
32/185-3/2	2.8 4 5.2	0.78 1.11 1.44	44.6 44 42.7	34 40 42	2960	3	2	74
32/200-4/2	4.4 6.3 8.3	1.22 1.75 2.32	50.5 50 48	26 33 35	2960	4	2	43
40/90-0.37/2	3.9 5.6 7.4	1.08 1.56 2.06	10.6 10 9	46 52 51	2960	0.37	2.3	31
40/100-0.55/2	4.4 6.3 8.3	1.22 1.75 2.31	13.2 12.5 11.3	48 54 53	2960	0.55	2.3	32
40/110-0.75/2	3.9 5.6 7.4	1.08 1.56 2.06	17.6 16 14.4	40 45 41	2960	0.75	2.3	32
40/125-1.1/2	4.4 6.3 8.3	1.22 1.75 2.31	21 20 18	41 46 43	2960	1.1	2.3	33
40/140-1.1/2	3.8 5.5 7.2	1.06 1.53 2	25.5 24 22.5	34 38 37	2960	1.1	2.3	39
40/150-1.5/2	4.1 5.9 7.8	1.14 1.64 2.17	29 28 26.3	34 39 39	2960	1.5	2.3	45
40/160-2.2/2	4.4 6.3 8.3	1.22 1.75 2.31	33 32 30	35 40 42	2960	2.2	2.3	48
40/170-2.2/2	3.7 5.3 7	1.03 1.47 1.94	38 36 34.5	24 29 28	2960	2.2	2.3	52
40/185-3/2	4.1 5.9 7.8	1.14 1.64 2.17	45 44 42	26 31 30	2960	3	2.3	62
40/200-4/2	4.4	1.22	51	26	2960	4	2.3	75

	6.3	1.75	50	33				
	8.3	2.31	48	32				
40/220-4/2	3.8	1.06	61.5	23	2960	4	2.3	77
	5.5	1.53	60	27				
	7.2	2	56	26				
40/235-5.5/2	4.1	1.14	72	24	2960	5.5	2.3	100
	5.9	1.64	70	28				
	7.8	2.17	65	27				
40/250-7.5/2	4.4	1.22	24	24	2960	7.5	2.3	106
	6.3	1.75	28	28				
	8.3	2.31	28	28				
40/90-0.75/2	8	2.22	11	53	2960	0.75	2.3	35
	11	3.06	10	60				
	14.5	4.03	9	58				
40/100-1.1/2	8.8	2.44	13.6	55	2960	1.1	2.3	37
	12.5	3.47	12.5	62				
	16.3	4.53	11.3	60				
40/110-1.1/2	8	2.22	17	48	2960	1.1	2.3	40
	11	3.06	16	57				
	14.5	4.03	14	56				
40/125-1.5/2	8.8	2.44	21.5	49	2960	1.5	2.3	45
	12.5	3.47	20	58				
	16.3	4.53	17.8	57				
40/140-1.5/2	7.3	2.03	23	43	2960	1.5	2.3	46
	10.4	2.89	22	50				
	13.5	3.75	20.5	50				
40/150-2.2/2	8.2	2.28	29	44	2960	22	2.3	50
	11.7	3.25	28	51				
	15.2	4.22	26	50				
40/160-3/2	8.8	2.44	33	45	2960	3	2.3	57
	12.5	3.47	32	52				
	16.3	4.53	30	51				
40/170-3/2	7.5	2.08	40	36	2960	3	2.3	69
	10.6	2.94	38	44				
	13.8	3.83	35	44				
40/185-4/2	8.3	2.31	45.8	37	2960	4	2.3	81
	11.7	3.25	44	45				
	15.3	4.25	42	45				
40/200-5.5/2	8.8	2.44	52	38	2960	5.5	2.3	102
	12.5	3.47	50	46				
	16.3	4.53	48	46				
40/220-7.5/2	7.6	2.11	61.5	27.5	2960	7.5	2.3	114
	10.8	3	60	37				

	14	3.89	58	40				
40/235-7.5/2	8.2	2.28	71.5	29	2960	7.5	2.3	115
	11.6	3.22	70	38				
	15.2	4.22	68	41				
40/125-11/2	8.8	2.44	82	29	2960	11	2.3	160
	12.5	3.47	80	38				
	16.3	4.53	77.5	42				
50/90-0.75/2	8	2.22	11	53	2960	0.75	2.3	35
	11	3.06	10	60				
	14.5	4.03	9	58				
50/100-1.1/2	8.8	2.44	13.6	55	2960	1.1	2.3	37
	12.5	3.47	12.5	62				
	16.3	4.53	11.3	60				
50/110-1.1/2	8	2.22	17	48	2960	1.1	2.3	40
	11	3.06	16	57				
	14.5	4.03	14	56				
50/125-1.5/2	8.8	2.44	21.5	49	2960	1.5	2.3	45
	12.5	3.47	20	58				
	16.3	4.53	17.8	57				
50/140-1.5/2	7.3	2.03	23	43	2960	1.5	2.3	46
	10.4	2.89	22	50				
	13.5	3.75	20.5	50				
50/150-2.2/2	8.2	2.28	29	44	2960	2.2	2.3	50
	11.7	3.25	28	51				
	15.2	4.22	26	50				
50/160-3/2	8.8	2.44	33	45	2960	3	2.3	57
	12.5	3.47	32	52				
	16.3	4.53	30	51				
50/170-3/2	7.5	2.08	40	36	2960	3	2.3	69
	10.6	2.94	38	44				
	13.8	3.83	35	44				
50/185-4/2	8.3	2.31	45.8	37	2960	4	2.3	81
	11.7	3.25	44	45				
	15.3	4.25	42	45				
50/200-5.5/2	8.8	2.44	52	38	2960	5.5	2.3	102
	12.5	3.47	50	46				
	16.3	4.53	48	46				
50/220-7.5/2	7.6	2.11	61.5	27.5	2960	7.5	2.3	114
	10.8	3	60	37				
	14	3.89	58	40				
50/235-7.5/2	8.2	2.28	71.5	29	2960	7.5	2.3	115
	11.6	3.22	70	38				
	15.2	4.22	68	41				

50/250-11/2	8.8 12.5 16.3	2.44 3.47 4.53	82 80 77.5	29 38 42	2960	11	2.3	160
50/90-1.1/2	15.6 22.3 29	4.33 6.19 8.06	11 10 8.4	65 67 68	2960	1.1	2.5	40
50/100-1.5/2	17.5 25 32.5	4.86 6.94 9.03	13.7 12.5 10.5	67 69 69	2960	1.5	2.5	45
50/100-2.2/2	15.6 22.3 29	4.33 6.19 8.06	17.5 16 14.4	58 66 65	2960	2.2	2.5	50
50/125-3/2	17.5 25 32.5	4.86 6.94 9.03	22 20 18	60 68 67	2960	3	2.5	60
50/140-3/2	15 21.6 28	4.17 6 7.78	26 24 21	51 61 61	2960	3	2.5	63
50/150-4/2	16.4 23.4 30.4	4.56 6.5 8.44	30 28 24.5	54 62 59	2960	4	2.5	75
50/160-4/2	17.5 25 32.5	4.86 6.94 9.03	34.4 32 27	54 63 60	2960	4	2.5	75
50/170-5.5/2	15.2 21.8 28.3	4.22 6.06 7.86	40.5 38 34	48 58 59	2960	5.5	2.5	100
50/185-5.5/2	16.4 23.5 30.5	4.56 6.53 8.47	46.4 44 40	50 60 60	2960	5.5	2.5	107
50/200-7.5/2	17.5 25 32.5	4.86 6.94 9.03	52.7 50 45.5	50 62 61	2960	7.5	2.5	107
50/220-11/2	15 21.6 28	4.17 6 7.78	61 60 58	38 50 54	2960	11	2.5	170
50/235-11/2	16.4 23.4 30.5	4.56 6.5 8.47	71.5 70 67	39 50 52	2960	11	2.5	170
50/250-15/2	17.5 25 32.5	4.86 6.94 9.03	82 80 76.5	39 50 52	2960	15	2.5	182

65/90-1.1/2	15.6 22.3 29	4.33 6.19 8.06	11 10 8.4	65 67 68	2960	1.1	2.5	40
65/100-1.5/2	17.5 25 32.5	4.86 6.94 9.03	13.7 12.5 10.5	67 69 69	2960	1.5	2.5	45
65/110-2.2/2	15.6 22.3 29	4.33 6.19 8.06	17.5 16 14.4	58 66 65	2960	2.2	2.5	50
65/125-3/2	17.5 25 32.5	4.86 6.94 9.03	22 20 18	60 68 67	2960	3	2.5	60
65/140-3/2	15 21.6 28	4.17 6 7.78	26 24 21	51 61 61	2960	3	2.5	63
65/150-4/2	16.4 23.4 30.4	4.56 6.5 8.44	30 28 24.5	54 62 59	2960	4	2.5	75
65/160-4/2	17.5 25 32.5	4.86 6.94 9.03	34.4 32 27	54 63 60	2960	4	2.5	75
65/170-5.5/2	15.2 21.8 28.3	4.22 6.06 7.86	40.5 38 34	48 58 59	2960	5.5	2.5	100
65/185-5.5/2	16.4 23.5 30.5	4.56 6.53 8.47	46.4 44 40	50 60 60	2960	5.5	2.5	107
65/200-7.5/2	17.5 25 32.5	4.86 6.94 9.03	52.7 50 45.5	50 62 61	2960	7.5	2.5	107
65/220-11/2	15 21.6 28	4.17 6 7.78	61 60 58	38 50 54	2960	11	2.5	170
65/235-11/2	16.4 23.4 30.5	4.56 6.5 8.47	71.5 70 67	39 50 52	2960	11	2.5	170
65/250-15/2	17.5 25 32.5	4.86 6.94 9.03	82 80 76.5	39 50 52	2960	15	2.5	182
65/270-15/2	14.4 20.6 26.8	4 5.72 7.44	86 85 83	30 38 42	2960	15	2.5	210
65/285-18.5/2	15.7	4.36	103	31	2960	18.5	2.5	225

	22.5 29.2	6.25 8.11	101 98	39 43				
65/300-22/2	16.6 23.7 31	4.61 6.58 8.61	115 113 110	32 40 44	2960	22	2.5	260
65/315-30/2	17.5 25 32.5	4.86 6.94 9.03	127 125 122	32 40 44	2960	30	2.5	320
65/90-2.2/2	31.3 44.7 58	8.69 12.42 16.11	11 10 8	66 72 69	2960	2.2	3	55
65/100-3/2	35 50 65	9.72 13.89 18.06	13.8 12.5 10	67 73 70	2960	3	3	63
65/110-4/2	31.3 45 58	8.69 12.5 16.11	17.5 16 13.6	66 71 69	2960	4	3	80
65/125-5.5/2	35 50 65	9.72 13.89 18.06	22 20 17	67 72.5 70	2960	5.5	3	100
65/140-5.5/2	30 43.3 56.3	8.33 12.03 15.64	27 24 20	61 69 68	2960	5.5	3	98
65/150-7.5/2	32.7 46.7 61	9.08 12.97 16.94	30.6 28 25	62 70 69	2960	7.5	3	105
65/160-7.5/2	35 50 65	9.72 13.89 18.06	35 32 28	63 71 70	2960	7.5	3	105
65/170-7.5/2	30.5 43.5 56.5	8.47 12.08 15.69	40.6 38 33.4	53 65 67	2960	7.5	3	118
65/185-11/2	32.8 47 61	9.11 13.06 16.94	47 44 40	54 66 67	2960	11	3	166
65/200-15/2	35 50 65	9.72 13.89 18.06	53.3 50 46	55 67 68	2960	15	3	175
65/220-15/2	30 50 65	8.33 12.03 15.56	63 60 54	51 58 59	2960	15	3	185
65/235-18.5/2	32.5 46.7	9.03 12.97	73 70	52 59	2960	18.5	3	210

	61	16.94	64	60				
65/250-22/2	35	9.72	83	52	2960	22	3	240
	50	12.89	80	60				
	65	18.06	72	62				
65/270-22/2	29	8.06	98	40	2960	22	3	275
	41	11.39	85	51				
	53.6	14.89	83	54				
65/285-30/2	31	8.61	103	42	2960	30	3	340
	44.5	12.36	101	53				
	58	16.11	97	56				
65/300-30/2	32.5	9.03	116	42	2960	30	3	340
	46.5	12.92	113	53				
	60.5	16.81	110	56				
65/315-37/2	35	9.72	128	43	2960	37	3	355
	50	12.89	125	54				
	65	18.06	122	57				
80/90-2.2/2	31.3	8.69	11	66	2960	2.2	3	55
	44.7	12.42	10	72				
	58	16.11	8	69				
80/100-3/2	35	9.72	13.8	67	2960	3	3	63
	50	13.89	12.5	73				
	65	18.06	10	70				
80/110-4/2	31.3	8.69	17.5	66	2960	4	3	80
	45	12.5	16	71				
	58	16.11	13.6	69				
80/125-5.5/2	35	9.72	22	67	2960	5.5	3	100
	50	13.89	20	72.5				
	65	18.06	17	70				
80/140-5.5/2	30	8.33	27	61	2960	5.5	3	98
	43.3	12.03	24	69				
	56.3	15.64	20	68				
80/150-7.5/2	32.7	9.08	30.6	62	2960	7.5	3	105
	46.7	12.97	28	70				
	61	16.94	25	69				
80/160-7.5/2	35	9.72	35	63	2960	7.5	3	105
	50	13.89	32	71				
	65	18.06	28	70				
80/170-7.5/2	30.5	8.47	40.6	53	2960	7.5	3	118
	43.5	12.08	38	65				
	56.5	15.69	33.4	67				
80/185-11/2	32.8	9.11	47	54	2960	11	3	166
	47	13.06	44	66				
	61	16.94	40	67				

80/200-15/2	35 50 65	9.72 13.89 18.06	53.3 50 46	55 67 68	2960	15	3	175
80/220-15/2	30 50 65	8.33 12.03 15.56	63 60 54	51 58 59	2960	15	3	185
80/235-18.5/2	32.5 46.7 61	9.03 12.97 16.94	73 70 64	52 59 60	2960	18.5	3	210
80/250-22/2	35 50 65	9.72 13.89 18.06	83 80 72	52 60 62	2960	22	3	240
80/270-22/2	29 41 53.6	8.06 11.39 14.89	98 85 83	40 51 54	2960	22	3	275
80/285-30/2	31 44.5 58	8.61 12.36 16.11	103 101 97	42 53 56	2960	30	3	340
80/300-30/2	32.5 46.5 60.5	9.03 12.92 16.81	116 113 110	42 53 56	2960	30	3	340
80/315-37/2	35 50 65	9.72 12.89 18.06	128 125 122	43 54 57	2960	37	3	355
80/90-4/2	62.6 89 116	17.39 24.72 32.22	11 10 8.8	64 74 74	2960	4	4.5	90
80/100-5.5/2	70 100 130	19.44 27.78 36.11	13.6 12.5 11	66 76 75	2960	5.5	4.5	113
80/100-7.5/2	63.6 89 116	17.67 24.72 32.22	19 16 11	68 74 63	2960	7.5	4.5	118
80/125-11/2	70 100 130	19.44 27.78 36.11	23.5 20 14	70 76 65	2960	11	4.5	170
80/140-11/2	60.6 86.6 112.5	16.83 24.06 31.25	27 24 18	66 72 65	2960	11	4.5	160
80/150-11/2	65.4 93.5 121.6	18.17 25.97 33.78	32 28 21	68 74 67	2960	11	4.5	180
80/160-15/2	70	19.44	36.5	70	2960	15	4.5	190

	100 130	27.78 36.11	32 24	76 65				
80/170-15/2	61 87 113	16.9 24.2 31.4	41 38 34	63 72 71	2960	15	4	195
80/185-18.5/2	65.4 93.5 121.6	18.2 26 33.8	47.5 44 39	64 73 72	2960	18.5	4	210
80/200-22/2	70 100 130	19.4 27.8 36.1	54 50 42	65 74 73	2960	22	4	245
80/220-30/2	61 87 113	16.9 24.2 31.4	65 60 51	60 67 66	2960	30	4	330
80/235-30/2	65.4 93.5 121.6	18.2 26 33.8	76 70 59.5	61 68 67	2960	30	4	330
80/250-37/2	70 100 130	19.4 27.8 36.1	87 80 68	62 69 68	2960	37	4	345
80/270-37/2	58 82 107	16.1 22.8 29.7	90 85 76	52 63 64	2960	37	4	385
80/285-45/2	63 90 117	17.5 25 32.5	106.6 101 92	54 65 66	2960	45	4	440
80/300-55/2	65.5 95 123.6	18.5 26.4 34.3	119 113 104	55 66 67	2960	55	4	550
80/315-75/2	70 100 130	19.4 27.8 36.1	132 125 114	55 66 67	2960	75	4	685

100/90-4/2	62.6 89 116	17.39 24.72 32.22	11 10 8.8	64 74 74	2960	4	4.5	90
100/100-5.5/2	70 100 130	19.44 27.78 36.11	13.6 12.5 11	66 76 75	2960	5.5	4.5	113
100/100-7.5/2	63.6 89 116	17.67 24.72 32.22	19 16 11	68 74 63	2960	7.5	4.5	118
100/125-11/2	70	19.44	23.5	70	2960	11	4.5	170

	100 130	27.78 36.11	20 14	76 65				
100/140-11/2	60.6 86.6 112.5	16.83 24.06 31.25	27 24 18	66 72 65	2960	11	4.5	160
100/150-11/2	65.4 93.5 121.6	18.17 25.97 33.78	32 28 21	68 74 67	2960	11	4.5	180
100/160-15/2	70 100 130	19.44 27.78 36.11	36.5 32 24	70 76 65	2960	15	4.5	190
100/170-15/2	61 87 113	16.9 24.2 31.4	41 38 34	63 72 71	2960	15	4	195
100/185-18.5/2	65.4 93.5 121.6	18.2 26 33.8	47.5 44 39	64 73 72	2960	18.5	4	210
100/20-22/2	70 100 130	19.4 27.8 36.1	54 50 42	65 74 73	2960	22	4	245
100/220-30/2	61 87 113	16.9 24.2 31.4	65 60 51	60 67 66	2960	30	4	330
100/235-30/2	65.4 93.5 121.6	18.2 26 33.8	76 70 59.5	61 68 67	2960	30	4	330
100/250-37/2	70 100 130	19.4 27.8 36.1	87 80 68	62 69 68	2960	37	4	345
100/270-37/2	58 82 107	16.1 22.8 29.7	90 85 76	52 63 64	2960	37	4	385
100/285-45/2	63 90 117	17.5 25 32.5	106.6 101 92	54 65 66	2960	45	4	440
100/300-55/2	65.5 95 123.6	18.5 26.4 34.3	119 113 104	55 66 67	2960	55	4	550
100/315-75/2	70 100 130	19.4 27.8 36.1	132 125 114	55 66 67	2960	75	4	685
125/90-7.5/2	86 143	23.9 39.7	10.4 10	73 77	2960	7.5	4	126

	172	47.8	9.6	79				
125/100-11/2	96	26.7	13	78	2960	11	4	180
	160	44.4	12.5	82				
	192	53.3	12	84				
125/110-11/2	86	23.9	18	73	2960	11	4	210
	143	39.7	16	77				
	172	47.8	13.6	79				
125/125-15/2	96	26.7	22.6	76	2960	15	4	225
	160	44.4	20	80				
	192	53.3	17	82				
125/140-15/2	83	23.1	27	70	2960	15	4	210
	138	38.3	24	73				
	166	46.1	21	75				
125/150-18.5/2	90	25	31.5	71	2960	18.5	4	230
	150	41.7	28	76				
	180	50	24.5	78				
125/160-22/2	96	26.7	36	72	2960	22	4	265
	160	44.4	32	78				
	192	53.3	28	79				
125/170-22/2	83	23.1	41.3	70	2960	22	5	325
	138	38.3	37.5	75				
	166	46.1	34.5	77				
125/185-30/2	90	25	48.4	71	2960	30	5	375
	150	41.7	44	76				
	180	50	40.5	78				
125/200-37/2	96	26.7	55	72	2960	37	5	395
	160	44.4	50	77				
	192	53.3	46	78				
125/220-37/2	83	23.1	65	69	2960	37	4.5	430
	138	38.3	60	73				
	166	46.1	55	75				
125/235-45/2	90	25	76	70	2960	45	4.5	495
	150	41.7	70	74				
	180	50	64	76				
125/250-55/2	96	26.7	87	71	2960	55	4.5	580
	160	44.4	80	75				
	192	53.3	73	77				
125/270-55/2	80.5	22.4	96	64	2960	55	4.5	590
	134	37.2	88	68				
	161	44.7	86	65				
125/285-75/2	86	23.9	106.4	65	2960	75	4.5	710
	143	39.7	100	69				
	172	47.8	95.2	66				

125/300-75/2	90 150 180	25 41.7 50	117 110 104.6	65 70 67	2960	75	4.5	715
125/315-90/2	96 160 192	26.7 44.4 53.3	133 125 119	69 72 68	2960	90	4.5	800
150/200-15/4	140 200 260	38.89 55.56 72.22	13.8 12.5 10.6	68 78 78	1480	15	3	265
150/220-11/4	117 167 217.5	32.5 46.39 60.42	15.2 14 12	71 76 74	1480	11	3	241
150/235-15/4	129 184 240	35.83 51.11 66.67	18.5 17 14.4	72 78 76	1480	15	3	265
150/250-18.5/4	140 200 260	38.89 55.56 72.22	21.8 20 17	73 79 77	1480	18.5	3	300
150/285-18.5/4	121 173 225	33.61 48.06 62.5	25 24 21	69 76 77	1480	18.5	3.5	310
150/300-22/4	131 187 243	36.39 51.94 67.5	29.5 28 24.5	69 77 78	1480	22	3.5	335
150/315-30/4	140 200 260	38.89 55.56 72.22	33.8 32 28	70 78 73	1480	30	3.5	410
150/370-37/4	131 187 243	36.39 51.94 67.5	46.6 44 38.3	67 74 70	1480	37	3.5	452
150/400-45/4	140 200 260	38.89 55.56 72.22	53 50 44	68 75 71	1480	45	3.5	490
150/220-45/2	104 173 208	28.89 48.06 57.78	65 60 54	63 74 72	2960	45	4.2	465
150/235-55/2	112 187 224	31.11 51.94 62.22	76 70 63	64 75 75	2960	55	4.2	560
150/250-75/2	120 200 240	33.33 55.56 66.67	87 80 72	65 76 74	2960	75	4.2	702
150/285-75/2	104	28.89	100	55	2960	75	4.2	725

	173 208	48.06 57.78	95 91	70 72				
150/300-90/2	112 187 224	31.11 51.94 62.22	116 110 105	57 72 74	2960	90	4.2	805
150/315-110/2	120 200 240	33.33 55.56 66.67	133 125 120	58 73 75	2960	110	4.2	980

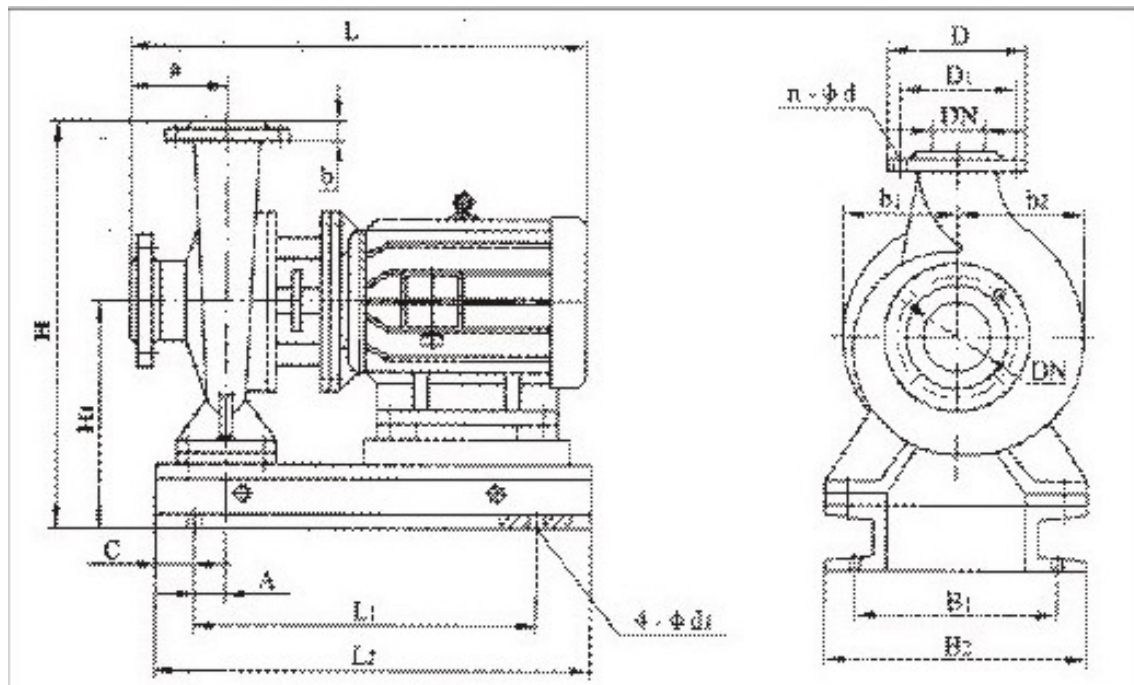
200/185-11/4	125 179 233	34.72 49.72 64.72	11 10 8.5	66 76 76	1480	11	3	245
200/200-15/4	140 200 260	38.89 55.56 72.22	13.8 12.5 10.6	68 78 78	1480	15	3	265
200/220-11/4	117 167 217.5	32.5 46.39 60.42	15.2 14 12	71 76 74	1480	11	3	241
200/235-15/4	129 184 240	35.83 51.11 66.67	18.5 17 14.4	72 78 76	1480	15	3	265
200/250-18.5/4	140 200 260	38.89 55.56 72.22	21.8 20 17	73 79 77	1480	18.5	3	300
200/285-18.5/4	121 173 225	33.61 48.06 62.5	25 24 21	69 76 77	1480	18.5	3.5	310
200/300-22/4	131 187 243	36.39 51.94 67.5	29.5 28 24.5	69 77 78	1480	22	3.5	335
200/315-30/4	140 200 260	38.89 55.56 72.22	33.8 32 28	70 78 73	1480	30	3.5	410
200/320-22/4	112 160 208	31.11 44.44 57.78	34 32 28	64 71 67	1480	22	3.5	370
200/345-30/4	122 174 226.5	33.89 48.33 62.93	40.5 38 33	66 73 69	1480	30	3.5	435
200/370-37/4	131 187 243	36.39 51.94 67.5	46.6 44 38.3	67 74 70	1480	37	3.5	452
200/400-45/4	140	38.89	53	68	1480	45	3.5	490

	200 260	55.56 72.22	50 44	75 71				
200/185-18.5/4	250 358 465	69.44 99.44 129.17	10.7 10 8.5	68 78 77	1480	18.5	4	366
200/200-22/4	280 400 520	77.78 111.11 144.44	13.4 12.5 10.5	70 80 79	1480	22	4	385
200/220-18.5/4	226 322 419	62.78 89.44 116.39	15.5 14 10	70 75 73	1480	18.5	4	390
200/235-22/4	250 358 465	69.44 99.44 129.17	19 17 13	73 78 70	1480	22	4	421
200/250-30/4	280 400 520	77.78 111.11 144.44	22.2 20 14	75 80 72	1480	30	4	476
200/285-37/4	242 346 450	67.22 96.11 125	27.5 24 18.5	71 78 73	1480	37	4	532
200/300-45/4	262 374 486	72.78 103.89 135	31.5 28 23	72 79 74	1480	45	4	560
200/315-55/4	280 400 520	77.78 111.11 144.44	36 32 26	73 80 75	1480	55	4	680
200/320-45/4	224 320 416	62.22 88.89 115.56	34.9 32 25	71 78 73	1480	45	4	585
200/345-55/4	242 346 450	67.22 96.11 125	42 38 29.6	72 79 74	1480	55	4	692
200/370-75/4	262 374 486	72.78 103.89 135	48 44 35	73 80 75	1480	75	4	835
200/400-75/4	280 400 520	77.78 111.11 144.44	54.5 50 39	75 81 77	1480	75	4	835
200/410-75/4	224 320 416	62.22 88.89 115.56	62 56 48	70 76 74	1480	75	4	1050
200/440-90/4	242 346	67.22 96.11	65 60	71 78	1480	90	4	1292

	450	125	54	75				
200/475-110/4	262	72.78	76	72	1480	110	4	1415
	374	103.89	70	79				
	486	135	63	76				
200/510-132/4	280	77.78	87	73	1480	132	4	1565
	400	111.11	80	80				
	520	144.44	71	77				
250/235-37/4	365	101.4	19	76	1480	37	5	550
	500	138.9	17	80				
	600	166.7	14	80				
250/250-45/4	400	111.1	22.2	78	1480	45	5	600
	550	152.8	20	82				
	670	186.1	15	81				
250/285-45/4	325	90.3	25	74	1480	45	5	685
	450	125	24	78				
	530	147.2	20	79				
250/300-55/4	365	101.4	31.5	76	1480	55	5	830
	500	138.9	28	80				
	600	166.7	23	82				
250/315-75/4	400	111.1	36	77	1480	75	5	905
	550	152.8	32	82				
	670	186.1	26	84				
250/345-75/4	325	90.3	41.2	73	1480	75	5	905
	450	125	38	76				
	530	147.2	34.2	78				
250/370-90/4	365	101.4	47	74	1480	90	5	1050
	500	138.9	44	77				
	600	166.7	35	79				
250/400-110/4	400	111.1	54.5	75	1480	110	5	1550
	550	152.8	50	78				
	670	186.1	39	80				
250/435-132/4	365	101.4	65	74	1480	132	5	1350
	500	138.9	60	75				
	600	166.7	54	77				
250/480-160/4	400	111.1	76	75	1480	160	5	1540
	550	152.8	70	76				
	670	186.1	63	78				
250/510-200/4	400	111.1	84	73	1480	200	5	1750
	550	152.8	80	77				
	670	186.1	70	75				
300/215-45/4	460	127.8	20.2	78	1480	45	5	785
	657	182.5	17.5	81				
	791	219.7	14.2	82				

300/250-55/4	500	138.9	23	80	1480	55	5	900
	720	200	20	83				
	900	250	16	84				
300/310-75/4	389	108.1	35.5	69	1480	75	5.5	1250
	561	155.8	33	74				
	670	186.1	27.5	72				
300/345-90/4	423	117.5	41	72	1480	90	5.5	1400
	609	169.2	38	77				
	728	202.2	32	75				
300/370-110/4	460	127.8	47	74	1480	110	5.5	1520
	662	183.9	44	79				
	791	219.7	36.5	77				
300/400-132/4	500	138.9	54.5	75	1480	132	5.5	1725
	720	200	50	80				
	900	250	42	78				

Dimension



Type	Outline dimensions							Installing dimensions					
	L	H	b1	b2	L2	4-Φd1	a	L1	B1	B2	H1	A	C
15/80-0.18/2						4-Φ14							
20/110-0.37/2						4-Φ14							
20/125-0.75/2						4-Φ14							
20/160-1.1/2						4-Φ14							
25/110-0.55/2	400	330			320	4-Φ14	80	270	100	200			
25/125-0.75/2	400	330			320	4-Φ14	80	270	100	200			
25/115-0.75/2	400	330			320	4-Φ14	80	270	100	200			
25/160-1.5/2	420	355			330	4-Φ14	80	280	150	250			
25/150-1.1/2	420	355			330	4-Φ14	80	280	150	250			
32/100-0.55/2	400	330			320	4-Φ14	80	270	100	200			
32/125-0.75/2	400	330			320	4-Φ14	80	270	100	200			
32/110-0.55/2	400	330			320	4-Φ14	80	270	100	200			
32/160-1.5/2	430	370			330	4-Φ14	80	280	150	250			
32/150-1.1/2	430	370			330	4-Φ14	80	280	150	250			
32/160-2.2/2	430	370			330	4-Φ14	80	350	150	250			
32/200-3/2	450	415			400	4-Φ14	80	350	150	250			
32/185-3/2	450	415			380	4-Φ14	80	310	150	250			
32/200-4/2	450	415			410	4-Φ14	80	360	160	260			
40/90-0.37/2	430	292	117	120	345	4-Φ14	80	250	170	202	162	10	52
40/100-0.55/2	450	292	117	120	345	4-Φ14	80	250	170	202	162	10	52
40/110-0.75/2	450	312	117	120	350	4-Φ14	80	250	170	202	172	10	52
40/125-1.1/2	450	312	117	120	350	4-Φ14	80	250	170	202	172	10	52
40/140-1.1/2	450	367	117	120	350	4-Φ14	80	250	210	245	207	10	52
40/150-1.5/2	450	367	117	120	360	4-Φ14	80	255	210	245	207	10	52
40/160-2.2/2	475	367	117	120	385	4-Φ14	80	280	210	245	207	10	52
40/170-2.2/2	480	405	153	165	390	4-Φ14	80	280	210	245	235	10	52
40/185-3/2	525	405	153	165	425	4-Φ14	80	320	210	245	235	10	52
40/200-4/2	545	405	153	165	435	4-Φ14	80	320	210	245	235	10	52
40/220-4/2	540	455	153	165	440	4-Φ14	80	320	290	325	255	10	62
40/235-5.5/2	600	455	153	165	470	4-Φ14	80	350	290	325	255	10	62
40/250-7.5/2	600	455	153	165	470	4-Φ14	80	350	290	325	255	10	62
40/90-0.75/2	430	330	125	125	125	4-Φ14	80	250	170	205	184	10	52
40/100-1.1/2	430	330	125	125	125	4-Φ14	80	250	170	205	184	10	52
40/110-1.1/2	435	335	125	125	125	4-Φ14	80	250	170	205	184	10	52
40/125-1.5/2	450	335	125	125	125	4-Φ14	80	250	170	205	184	10	52
40/140-1.5/2	455	365	125	125	125	4-Φ14	80	250	210	245	204	10	52
40/150-2.2/2	480	365	125	125	125	4-Φ14	80	280	210	245	204	10	52
40/160-3/2	525	365	125	125	125	4-Φ14	80	310	210	245	204	10	52
40/170-3/2	520	415	160	160	415	4-Φ14	80	320	210	245	235	12.5	50

40/185-4/2	540	415	160	160	430	4-Φ14	80	330	210	245	235	12.5	50
40/200-5.5/2	595	415	160	160	455	4-Φ14	80	350	210	245	235	12.5	50
40/220-7.5/2	630	475	160	160	485	4-Φ14	100	370	290	325	255	12.5	62
40/235-7.5/2	630	475	160	160	485	4-Φ14	100	370	290	325	255	12.5	62
40/250-11/2	745	495	175	175	585	4-Φ14	100	460	290	325	275	12.5	62
50/90-0.75/2	430	330	125	125	345	4-Φ14	80	250	170	205	184	10	52
50/100-1.1/2	430	330	125	125	345	4-Φ14	80	250	170	205	184	10	52
50/110-1.1/2	435	335	125	125	345	4-Φ14	80	250	170	205	184	10	52
50/125-1.5/2	450	335	125	125	355	4-Φ14	80	250	170	205	184	10	52
50/140-1.5/2	455	365	125	125	360	4-Φ14	80	255	210	245	204	10	52
50/150-2.2/2	480	365	125	125	385	4-Φ14	80	280	210	245	204	10	52
50/160-3/2	525	365	125	125	420	4-Φ14	80	310	210	245	204	10	52
50/170-3/2	520	415	160	160	415	4-Φ14	80	320	210	245	235	12.5	50
50/185-4/2	540	415	160	160	430	4-Φ14	80	330	210	245	235	12.5	50
50/200-5.5/2	595	415	160	160	455	4-Φ14	80	350	210	245	235	12.5	50
50/220-7.5/2	630	475	160	160	485	4-Φ14	100	370	290	325	255	12.5	62
50/235-7.5/2	630	475	160	160	485	4-Φ14	100	370	290	325	255	12.5	62
50/250--11/2	745	495	175	175	585	4-Φ14	100	460	290	325	275	12.5	62
50/90-1.1/2	435	347	125	125	350	4-Φ14	80	250	160	195	187	10	55
50/100-1.5/2	450	347	125	125	355	4-Φ14	80	250	160	195	187	10	52
50/110-2.2/2	480	357	125	125	390	4-Φ14	80	280	180	215	187	10	52
50/125-3/2	525	357	125	125	425	4-Φ14	80	310	180	215	187	10	52
50/140-3/2	525	387	125	125	425	4-Φ14	80	320	215	250	207	10	52
50/150-4/2	545	387	125	125	425	4-Φ14	80	320	215	250	207	10	52
50/160-4/2	545	387	125	125	425	4-Φ14	80	320	215	250	207	10	52
50/170-5.5/2	615	425	160	160	455	4-Φ14	100	360	250	285	235	12.5	50
50/185-5.5/2	615	425	160	160	455	4-Φ14	100	360	250	285	235	12.5	50
50/200-7.5/2	615	425	160	160	455	4-Φ14	100	360	250	285	235	12.5	50
50/220-11/2	745	515	175	175	580	4-Φ14	100	460	290	328	275	12.5	62
50/235-11/2	745	515	175	175	580	4-Φ14	100	460	290	328	275	12.5	62
50/250-15/2	745	515	175	175	580	4-Φ14	100	460	290	328	275	12.5	62
65/90-1.1/2	435	347	125	125	350	4-Φ14	80	250	160	195	187	10	52
65/100-1.5/2	450	347	125	125	355	4-Φ14	80	250	160	195	187	10	52
65/110-2.2/2	480	357	125	125	390	4-Φ14	80	280	180	215	187	10	52
65/125-3/2	525	357	125	125	425	4-Φ14	80	310	180	215	187	10	52
65/140-3/2	525	387	125	125	425	4-Φ14	80	320	215	250	207	10	52
65/150-4/2	545	387	125	125	425	4-Φ14	80	320	215	250	207	10	52
65/160-4/2	545	387	125	125	425	4-Φ14	80	320	215	250	207	10	52
65/170-5.5/2	615	425	160	160	455	4-Φ14	100	360	250	285	235	12.5	50
65/185-5.5/2	615	425	160	160	455	4-Φ14	100	360	250	285	235	12.5	50
65/200-7.5/2	615	425	160	160	455	4-Φ14	100	360	250	285	235	12.5	50
65/220-11/2	745	515	175	175	580	4-Φ14	100	460	290	328	275	12.5	62
65/235-11/2	745	515	175	175	580	4-Φ14	100	460	290	328	275	12.5	62
65/250-15/2	745	515	175	175	580	4-Φ14	100	460	290	328	275	12.5	62

65/270-15/2	775	565	210	220	590	4-Φ16	125	470	320	358	295	12.5	62
65/285-18.5/2	820	565	210	220	635	4-Φ16	125	510	320	358	295	12.5	62
65/300-22/2	845	565	210	220	640	4-Φ16	125	510	320	358	295	12.5	62
65/315-30/2	950	565	210	220	720	4-Φ16	125	590	360	359	295	12.5	62
65/90-2.2/2	500	407	125	131	390	4-Φ14	100	290	210	245	207	12.5	50
65/100-3/2	545	407	125	131	425	4-Φ14	100	325	210	245	207	12.5	50
65/110-4/2	570	407	125	131	435	4-Φ14	100	340	250	285	207	12.5	50
65/125-5.5/2	625	407	150	150	465	4-Φ14	100	360	250	285	207	12.5	50
65/140-5.5/2	630	435	150	150	455	4-Φ14	100	355	250	285	235	12.5	50
65/150-7.5/2	630	435	150	150	455	4-Φ14	100	355	250	285	235	12.5	50
65/160-7.5/2	630	435	150	150	455	4-Φ14	100	355	250	285	235	12.5	50
65/170-7.5/2	630	470	160	163	470	4-Φ16	100	370	300	338	255	12.5	50
65/185-11/2	745	470	175	175	565	4-Φ16	100	460	300	338	255	12.5	50
65/200-15/2	745	470	175	175	565	4-Φ16	100	460	300	338	255	12.5	50
65/220-15/2	770	515	175	175	585	4-Φ16	125	470	320	358	275	12.5	62
65/235-18.5/2	815	515	175	175	635	4-Φ16	125	510	320	358	275	12.5	62
65/250-22/2	840	515	190	200	635	4-Φ16	125	510	320	358	275	12.5	62
65/270-22/2	845	620	190	210	640	4-Φ16	125	510	320	358	320	12.5	62
65/285-30/2	950	640	200	220	720	4-Φ16	125	590	350	392	340	12.5	62
65/300-30/2	950	640	200	220	720	4-Φ16	125	590	350	392	340	12.5	62
65/315-37/2	950	640	200	220	720	4-Φ16	125	590	350	392	340	12.5	62
80/90-2.2/2	500	407	125	131	390	4-Φ14	100	290	210	245	207	12.5	50
80/100-3/2	545	407	125	131	425	4-Φ14	100	325	210	245	207	12.5	50
80/110-4/2	570	407	125	131	435	4-Φ14	100	340	250	285	207	12.5	50
80/125-5.5/2	625	407	150	150	465	4-Φ14	100	360	250	285	207	12.5	50
80/140-5.5/2	630	435	150	150	455	4-Φ14	100	355	250	285	235	12.5	50
80/150-7.5/2	630	435	150	150	455	4-Φ14	100	355	250	285	235	12.5	50
80/160-7.5/2	630	435	150	150	455	4-Φ14	100	355	250	285	235	12.5	50
80/170-7.5/2	630	470	160	163	470	4-Φ16	100	370	300	338	255	12.5	50
80/185-11/2	745	470	175	175	565	4-Φ16	100	460	300	338	255	12.5	50
80/200-15/2	745	470	175	175	565	4-Φ16	100	460	300	338	255	12.5	50
80/220-15/2	770	515	175	175	585	4-Φ16	125	470	320	358	275	12.5	62
80/235-18.5/2	815	515	175	175	635	4-Φ16	125	510	320	358	275	12.5	62
80/250-22/2	840	515	190	200	635	4-Φ16	125	510	320	358	275	12.5	62
80/270-22/2	845	620	190	210	640	4-Φ16	125	510	320	358	320	12.5	62
80/285-30/2	950	640	200	220	720	4-Φ16	125	590	350	392	340	12.5	62
80/300-30/2	950	640	200	220	720	4-Φ16	125	590	350	392	340	12.5	62
80/315-37/2	950	640	200	220	720	4-Φ16	125	590	350	392	340	12.5	62
80/90-4/2	575	485	150	162	455	4-Φ16	100	340	245	245	255	12.5	62
80/100-5.5/2	630	485	150	162	480	4-Φ16	100	360	245	245	255	12.5	62
80/110-7.5/2	635	475	150	162	490	4-Φ16	100	360	245	245	255	12.5	62
80/125-11/2	750	475	175	175	590	4-Φ16	100	470	300	300	255	12.5	62
80/140-11/2	750	505	175	175	590	4-Φ16	100	470	300	300	255	12.5	62
80/150-11/2	750	505	175	175	590	4-Φ16	100	470	300	300	255	12.5	62

80/160-15/2	750	505	175	175	590	4-Φ16	100	470	300	300	255	12.5	62
80/170-15/2	750	515	180	188	590	4-Φ16	100	470	320	358	275	12.5	62
80/185-18.5/2	795	515	180	188	630	4-Φ16	100	510	320	358	275	12.5	62
80/200-22/2	820	515	180	188	630	4-Φ16	100	510	320	358	275	12.5	62
80/220-30/2	950	590	210	223	745	4-Φ16	125	590	355	397	320	15	82
80/235-30/2	950	590	210	223	745	4-Φ16	125	590	355	397	320	15	82
80/250-37/2	950	590	210	223	745	4-Φ16	125	590	355	397	320	15	82
80/270-37/2	965	665	210	225	755	4-Φ18	125	620	365	407	345	30	67
80/285-45/2	1000	665	235	245	780	4-Φ18	125	650	400	442	345	30	67
80/300-55/2	1085	695	275	275	850	4-Φ18	125	710	455	497	375	30	67
80/315-75/2	1155	725	275	290	915	4-Φ18	125	770	510	552	405	30	67
100/90-4/2	575	485	150	162	455	4-Φ16	100	340	245	245	255	12.5	62
100/100-5.5/2	630	485	150	162	480	4-Φ16	100	360	245	245	255	12.5	62
100/110-7.5/2	635	475	150	162	490	4-Φ16	100	360	245	245	255	12.5	62
100/125-11/2	750	475	175	175	590	4-Φ16	100	470	300	300	255	12.5	62
100/140-11/2	750	505	175	175	590	4-Φ16	100	470	300	300	255	12.5	62
100/150-11/2	750	505	175	175	590	4-Φ16	100	470	300	300	255	12.5	62
100/160-15/2	750	505	175	175	590	4-Φ16	100	470	300	300	255	12.5	62
100/170-15/2	750	515	180	188	590	4-Φ16	100	470	320	358	275	12.5	62
100/185-18.5/2	795	515	180	188	630	4-Φ16	100	510	320	358	275	12.5	62
100/200-22/2	820	515	180	188	630	4-Φ16	100	510	320	358	275	12.5	62
100/220-30/2	950	590	210	223	745	4-Φ16	125	590	355	397	320	15	82
100/235-30/2	950	590	210	223	745	4-Φ16	125	590	355	397	320	15	82
100/250-37/2	950	590	210	223	745	4-Φ16	125	590	355	397	320	15	82
100/270-37/2	965	665	210	225	755	4-Φ18	125	620	365	407	345	30	67
100/285-45/2	1000	665	235	245	780	4-Φ18	125	650	400	442	345	30	67
100/300-55/2	1085	695	275	275	850	4-Φ18	125	710	455	497	375	30	67
100/315-75/2	1155	725	275	290	915	4-Φ18	125	770	510	552	405	30	67
125/90-7.5/2	660	500	175	188	490	4-Φ1	125	370	300	338	255	15	60
125/100-11/2	785	500	175	188	590	4-Φ16	125	475	300	338	255	15	60
125/110-11/2	785	500	175	188	590	4-Φ16	125	475	300	338	255	15	60
125/125-15/2	785	500	175	188	590	4-Φ16	125	475	300	338	255	15	60
125/140-15/2	780	525	175	188	590	4-Φ16	125	475	320	358	275	15	60
125/150-18.5/2	825	525	175	188	635	4-Φ16	125	515	320	358	275	15	60
125/160-22/2	850	525	175	188	635	4-Φ16	125	515	320	358	275	15	60
125/170-22/2	845	600	190	200	645	4-Φ18	125	520	325	367	320	30	67
125/185-30/2	950	600	200	200	740	4-Φ18	125	610	350	392	320	30	67
125/200-37/2	950	600	200	200	740	4-Φ18	125	610	350	392	320	30	67
125/220-37/2	970	635	210	220	755	4-Φ18	140	620	360	402	345	30	67
125/235-45/2	1015	635	225	225	785	4-Φ18	140	650	400	442	345	30	67
125/250-55/2	1100	690	275	275	850	4-Φ18	170	710	450	497	400	30	67
125/270-55/2	1100	720	275	275	845	4-Φ18	125	710	450	497	390	30	67
125/285-75/2	1170	755	275	275	915	4-Φ18	125	780	500	547	425	30	67
125/300-75/2	1170	755	275	275	915	4-Φ18	125	780	500	547	425	30	67

125/310-75/2	1225	755	275	275	955	4-Φ18	140	820	500	547	425	30	67
125/315-90/2	1170	770	275	275	925	4-Φ18	140	790	500	547	345	30	67
125/330-90/2	1225	770	275	275	965	4-Φ18	140	830	500	547	400	30	67
125/350-110/2	1370	810	330	330	1020	4-Φ18	140	880	590	637	400	30	67
125/140-18.5/2	825	555	175	188	635	4-Φ16	125	515	320	358	275	15	60
125/150-22/2	850	555	175	188	635	4-Φ16	125	515	320	358	275	15	60
125/160-30/2	980	600	200	200	715	4-Φ18	125	595	350	392	320	15	60
125/170-30/2	950	620	200	200	740	4-Φ18	125	610	350	392	320	30	67
125/185-37/2	950	620	200	235	740	4-Φ18	125	610	350	392	320	30	67
125/200-45/2	990	645	225	275	755	4-Φ18	125	620	400	445	342	30	67
125/220-45/2	995	655	220	250	780	4-Φ22	140	640	400	442	345	30	67
125/235-55/2	1105	705	275	275	850	4-Φ22	140	710	450	497	395	30	67
125/250-75/2	1175	735	275	275	920	4-Φ22	140	780	500	547	425	30	67
125/285-75/2	1170	755	275	275	915	4-Φ22	140	770	500	547	425	30	67
125/300-90/2	1220	755	275	275	960	4-Φ22	140	820	500	547	425	30	67
125/315-110/2	1360	790	330	330	1000	4-Φ22	140	860	590	637	460	30	67
150/185-7.5/4	735	690	200	233	565	4-Φ16	140	440	370	408	350	30	62
150/200-11/4	800	690	200	233	620	4-Φ16	140	490	370	408	350	30	62
150/220-7.5/4	735	690	200	233	565	4-Φ16	140	440	370	408	350	30	62
150/235-11/4	800	690	200	233	620	4-Φ16	140	490	370	408	350	30	62
150/250-15/4	845	690	200	233	660	4-Φ16	140	530	370	408	350	30	62
150/285-15/4	845	785	220	250	690	4-Φ18	140	555	460	502	405	50	67
150/300-18.5/4	870	785	220	250	695	4-Φ18	140	555	460	502	405	50	67
150/315-22/4	910	785	220	250	735	4-Φ18	140	600	460	502	405	50	67
150/345-22/4	910	840	250	280	735	4-Φ18	140	600	460	502	440	50	67
150/370-30/4	975	840	250	280	775	4-Φ18	140	640	460	502	440	50	67
150/400-37/4	990	840	250	280	775	4-Φ18	140	640	460	502	440	50	67
150/185-11/4	800	690	200	233	620	4-Φ16	140	490	370	408	350	30	62
150/200-15/4	845	690	200	233	660	4-Φ16	140	530	370	408	350	30	62
150/220-11/4	800	690	200	233	620	4-Φ16	140	490	370	408	350	30	62
150/235-15/4	845	690	200	233	660	4-Φ16	140	530	370	408	350	30	62
150/250-18.5/4	870	690	200	233	665	4-Φ16	140	530	370	408	350	30	62
150/285-18.5/4	870	785	220	250	695	4-Φ18	140	555	460	502	405	50	67
150/300-22/4	910	758	220	250	735	4-Φ18	140	600	460	502	405	50	67
150/315-30/4	975	785	220	250	775	4-Φ18	140	640	460	502	405	50	67
150/320-22/4	910	840	250	280	735	4-Φ18	140	600	460	502	440	50	67
150/345-30/4	975	840	250	280	775	4-Φ18	140	640	460	502	440	50	67
150/370-37/4	990	840	250	280	775	4-Φ18	140	640	460	502	440	50	67
150/400-45/4	1015	840	250	280	800	4-Φ18	140	660	460	502	440	50	67
150/220-45/2	995	670	220	250	780	4-Φ22	140	640	400	442	345	30	67
150/235-55/2	1105	720	275	275	850	4-Φ22	140	710	450	497	395	30	67
150/250-75/2	1175	750	275	275	920	4-Φ22	140	780	500	547	425	30	67
150/285-75/2	1170	775	275	275	915	4-Φ22	140	770	500	547	425	30	67
150/300-90/2	1220	775	275	275	960	4-Φ22	140	820	500	547	425	30	67

150/315-110/2	1360	810	330	330	1000	4-Φ22	140	860	590	637	460	30	67
200/185-11/4	800	690	200	233	620	4-Φ16	160	490	370	408	350	30	62
200/200-15/4	845	690	200	233	660	4-Φ16	160	530	370	408	350	30	62
200/220-11/4	800	690	200	233	620	4-Φ16	160	490	370	408	350	30	62
200/235-15/4	845	690	200	233	660	4-Φ16	160	530	370	408	350	30	62
200/250-18.5/4	870	690	200	233	665	4-Φ16	160	530	370	408	350	30	62
200/285-18.5/4	870	785	220	250	695	4-Φ18	160	555	460	502	405	50	67
200/300-22/4	910	785	220	250	735	4-Φ18	160	600	460	502	405	50	67
200/315-30/4	975	785	220	250	775	4-Φ18	160	640	460	502	405	50	67
200/320-22/4	910	840	250	280	735	4-Φ18	160	600	460	502	440	50	67
200/345-30/4	975	840	250	280	775	4-Φ18	160	640	460	502	440	50	67
200/370-37/4	990	840	250	280	775	4-Φ18	160	640	460	502	440	50	67
200/400-45/4	1015	840	250	280	800	4-Φ18	160	660	460	502	440	50	67
200/185-15/4 (Z)	885	780	250	279	685	4-Φ18	160	540	460	502	400	50	67
200/200-18.5/4 (Z)	910	780	250	279	705	4-Φ18	160	560	460	502	400	50	67
200/220-15/4 (Z)	880	800	250	279	685	4-Φ18	160	540	460	502	400	50	67
200/235-18.5/4 (Z)	890	800	250	279	705	4-Φ18	160	560	460	502	400	50	67
200/250-30/4 (Z)	995	800	250	279	770	4-Φ18	160	625	460	502	400	50	67
200/285-30/4 (Z)	1010	855	250	280	760	4-Φ22	160	610	510	552	435	50	67
200/300-37/4 (Z)	1025	855	250	280	790	4-Φ22	160	640	510	552	435	50	67
200/315-45/4 (Z)	1050	855	250	280	815	4-Φ22	160	665	510	552	435	50	67
200/320-37/4 (Z)	1025	875	280	295	790	4-Φ22	160	640	510	552	435	50	67
200/345-45/4 (Z)	1050	875	280	295	815	4-Φ22	160	670	510	552	435	50	67
200/370-55/4 (Z)	1135	900	280	295	880	4-Φ22	160	740	510	557	460	50	67
200/400-75/4 (Z)	1205	900	290	300	950	4-Φ22	160	810	510	557	460	50	67
200/440-75/4 (Z)	1240	1105	320	342	980	4-Φ22	160	820	610	657	525	50	72
200/475-90/4 (Z)	1290	1105	320	342	1035	4-Φ22	160	880	610	657	525	50	75
200/510-110/4 (Z)	1465	1125	330	354	1080	4-Φ24	160	920	610	662	545	50	72
200/185-18.5/4	910	780	250	279	705	4-Φ18	160	560	460	502	400	50	67
200/200-22/4	950	780	250	279	740	4-Φ18	160	595	460	502	400	50	67
200/220-18.5/4	890	800	250	279	705	4-Φ18	160	560	460	502	400	50	67
200/235-22/4	930	800	250	279	740	4-Φ18	160	595	460	502	400	50	67
200/250-30/4	995	800	250	279	770	4-Φ18	160	625	460	502	400	50	67
200/285-37/4	1025	855	250	280	790	4-Φ22	160	640	510	552	435	50	67
200/300-45/4	1050	855	250	280	815	4-Φ22	160	665	510	552	435	50	67
200/315-55/4	1135	880	250	280	890	4-Φ22	160	740	510	552	435	50	67
200/320-45/4	1050	875	280	295	815	4-Φ22	160	670	510	552	435	50	67
200/345-55/4	1135	900	280	295	880	4-Φ22	160	740	510	557	460	50	67
200/370-75/4	1205	900	290	300	950	4-Φ22	160	810	510	557	460	50	67
200/400-75/4	1205	900	290	300	950	4-Φ22	160	810	510	557	460	50	67
200/410-75/4	1240	1105	320	342	980	4-Φ22	160	820	610	657	525	50	72
200/440-90/4	1290	1105	320	342	1035	4-Φ22	160	880	610	657	525	50	72
200/475-110/4	1465	1125	330	354	1080	4-Φ24	160	920	610	662	545	50	72
200/510-132/4	1545	1125	330	354	1140	4-Φ24	160	980	610	662	545	50	72

200/225-75/2	1215	795	330	330	930	4-Φ22	160	780	500	547	420	30	67
200/250-110/2	1415	855	330	330	1035	4-Φ24	160	880	590	642	480	30	67
200/270-132/2	1535	855	330	330	1085	4-Φ24	160	920	590	642	480	30	67
200/285-132/2	1535	880	330	330	1105	4-Φ24	160	950	590	642	480	50	67
200/310-200/2	1535	880	330	330	1160	4-Φ24	160	1000	590	642	480	50	67
200/330-220/2	1730	920	400	400	1270	4-Φ24	160	1120	680	732	520	50	67
250/335-37/4	1100	925	270	320	835	4-Φ22	200	680	510	552	475	50	67
250/250-45/4	1125	925	270	320	860	4-Φ22	200	705	510	557	475	50	67
250/285-45/4	1090	965	270	350	815	4-Φ22	200	660	510	557	465	50	67
250/300-55/4	1175	965	270	350	880	4-Φ22	200	730	510	557	465	50	67
250/315-75/4	1245	965	270	350	950	4-Φ22	200	800	510	557	465	50	67
250/345-75/4	1245	1015	287	343	960	4-Φ22	200	785	510	557	475	30	87
250/370-90/4	1320	1015	287	343	1030	4-Φ22	200	855	510	557	475	30	87
250/400-110/4	1485	1035	330	365	1080	4-Φ24	200	900	600	652	495	30	87
250/390-90/4	1320	1145	305	370	1040	4-Φ22	200	860	600	647	525	30	92
250/435-132/4	1600	1165	330	370	1130	4-Φ24	200	950	600	652	545	30	92
250/480-160/4	1600	1165	330	370	1190	4-Φ24	200	1000	600	652	545	30	92
250/410-110/4	1485	1165	330	370	1080	4-Φ24	200	900	600	652	545	30	92
250/440-132/4	1600	1165	330	370	1130	4-Φ24	200	950	600	652	545	30	92
250/475-160/4	1600	1165	330	370	1190	4-Φ24	200	1000	600	652	545	30	92
250/510-200/4	1600	1165	330	370	1190	4-Φ24	200	1000	600	652	545	30	92
300/195-37/4	1185	1075	267	372	860	4-Φ22	250	680	600	647	525	50	92
300/215-45/4	1210	1075	267	372	885	4-Φ22	250	680	600	647	525	50	92
300/250-55/4	1295	1075	275	372	960	4-Φ22	250	780	600	647	525	50	92
300/260-55/4	1280	1095	275	372	935	4-Φ22	250	755	600	647	495	50	92
300/280-75/4	1350	1095	275	372	1005	4-Φ22	250	820	600	647	495	50	92
300/300-75/4	1350	1095	275	372	1005	4-Φ22	250	820	600	647	495	50	92
300/270-55/4	1280	1095	275	372	935	4-Φ22	250	755	600	647	495	50	92
300/295-75/4	1350	1095	275	372	1005	4-Φ22	250	820	600	647	495	50	92
300/315-90/4	1400	1095	275	372	1055	4-Φ22	250	870	600	647	495	50	92
300/325-90/4	1380	1155	318	393	1090	4-Φ24	250	860	600	652	555	30	117
300/360-110/4	1545	1160	330	393	1130	4-Φ24	250	900	600	652	560	30	117
300/380-132/4	1665	1160	330	393	1180	4-Φ24	250	950	600	652	560	30	117
300/310-75/4	1330	1155	318	393	1035	4-Φ24	250	805	600	652	555	30	117
300/345-90/4	1380	1155	318	393	1090	4-Φ24	250	860	600	652	555	30	117
300/370-110/4	1545	1160	330	393	1130	4-Φ24	250	900	600	652	560	30	117
300/400-132/4	1665	1160	330	393	1180	4-Φ24	250	950	600	652	560	30	117
300/355-90/4	1380	1095	332	396	1065	4-Φ24	250	880	600	652	545	30	92
300/375-110/4	1545	1095	330	396	1105	4-Φ24	250	920	600	652	545	30	92
300/425-160/4	1665	1095	330	396	1215	4-Φ24	250	1030	600	652	545	30	92
300/460-200/4	1665	1095	330	396	1215	4-Φ24	250	1030	600	652	545	30	92
300/415-132/4	1655	1300	330	396	1190	4-Φ24	250	950	700	752	600	30	92
300/440-160/4	1665	1300	330	396	1240	4-Φ24	250	1005	700	752	600	30	92
300/470-200/4	1665	1300	330	396	1240	4-Φ24	250	1005	700	752	600	30	92

300/510-250/4	1860	1300	400	400	1350	4-Φ24	250	1110	700	752	600	30	92
350/300-75/4	1380	1135	305	375	1055	4-Φ24	280	820	600	652	565	30	117
350/315-110/4	1580	1135	330	375	1135	4-Φ24	280	900	600	652	565	30	117
350/345-110/4	1575	1210	330	411	1135	4-Φ24	280	900	600	652	560	30	117
350/370-132/4	1695	1210	330	411	1190	4-Φ24	280	950	600	652	560	30	117
350/400-160/4	1695	1210	330	411	1250	4-Φ24	280	1010	600	652	560	30	117
350/355-132/4	1710	1255	330	428	1240	4-Φ24	280	1000	660	721	605	30	117
350/385-160/4	1710	1255	330	428	1255	4-Φ27	280	1015	660	721	605	30	117
350/425-200/4	1710	1255	330	428	1255	4-Φ27	280	1015	660	721	605	30	117
350/460-250/4	1905	1255	330	428	1255	4-Φ27	280	1015	660	721	605	30	117